

## Table of Contents

| PRODUCT GROUP                                      | PAGE # |
|----------------------------------------------------|--------|
| <b>Featured Accessory</b>                          |        |
| Universal Valve Retrofit Kit                       | A-307  |
| Butterfly Valve Retrofit Kit                       | A-308  |
| <b>Pressure Independent Control Valves</b>         |        |
| Weathershield                                      | A-309  |
| PT Port Kit                                        | A-309  |
| Rack and Pinion Linkage for PICV                   | A-309  |
| Conduit Connectors                                 | A-309  |
| Terminal Plug and Cover                            | A-309  |
| Auxiliary Switch                                   | A-309  |
| Function Module                                    | A-309  |
| <b>Zone</b>                                        |        |
| Weather Shield for Zone Valves                     | A-309  |
| Conduit Connectors                                 | A-310  |
| Terminal Plug and Cover                            | A-310  |
| <b>Powermite</b>                                   |        |
| Weather Shield for Powermite Valves                | A-310  |
| Conduit Connectors                                 | A-310  |
| Terminal Plug and Cover                            | A-310  |
| Protective Black Knob                              | A-310  |
| Diaphragm Kit                                      | A-310  |
| Powermite Externally Threaded Union Connection Kit | A-310  |
| Powermite Union Gasket Kit                         | A-310  |
| <b>Ball</b>                                        |        |
| Low Profile Bracket                                | A-311  |
| Bracket Kit                                        | A-311  |
| Weathershield                                      | A-311  |
| 6-Way Ball Valve Actuator Bracket                  | A-311  |
| 6-Way Ball Valve Tail Pieces                       | A-311  |

(Continued on next page)

A-305

Valves

## Table of Contents *(Continued)*

A-306

Valves

| PRODUCT GROUP                 | PAGE #        |
|-------------------------------|---------------|
| <b>Flowrite</b>               |               |
| Switches                      | A-312         |
| Potentiometer                 | A-312         |
| Function Module               | A-312         |
| Mounting/Installation Devices | A-312         |
| Weathershields                | A-313         |
| Retrofit Kits                 | A-313         |
| Rebuild/Repack Kits           | A-314 – A-319 |
| Diaphragms                    | A-319         |
| Stem Retainer Kit             | A-319         |
| Circuit Boards                | A-319         |
| Compartment Cover             | A-319         |
| Crank Assembly                | A-320         |
| Stem Heater                   | A-320         |
| Stroke Inverter               | A-320         |
| Retainer Clamp Kit            | A-320         |
| <b>Magnetic Valves</b>        |               |
| Control Signal Modules        | A-321         |
| Terminal Housing              | A-321         |
| Blanking Flange               | A-321         |
| Adaptor Flanges               | A-321         |
| Circuit Board                 | A-321         |
| Repair Module                 | A-321         |
| Signal Converter              | A-321         |
| <b>Refrigeration Valves</b>   |               |
| Replacement Electronics       | A-321         |
| Valve Inserts                 | A-321         |
| <b>Powermite 656 Series</b>   |               |
| Repack/Rebuild Kits           | A-322         |
| <b>Powertop 658 Series</b>    |               |
| Repack/Rebuild Kits           | A-323         |

# Universal Valve Retrofit Kit

## Description

The Universal Valve Retrofit Kit allows you to install state-of-the-art Siemens Flowrite Electronic Actuators, regardless of the valve's manufacturer. This kit contains the parts needed to adapt a valve to all Flowrite Pneumatic or SKB, SKC, SKD or SAX Actuators. Kit includes: bonnet adaptor, bonnet adaptor insert, stem adaptor jam nut and square head set screws.

## Features

- Easy installation
- Works with electronic or pneumatic actuators
- Installs on most manufacturers' valves



Universal Valve Actuator Retrofit Kit



Assembling the Universal Valve Retrofit Kit is quick and easy.

## Universal Valve Retrofit Kit Product Ordering

| Brand            | Valve Part No.                             | Kit Part No. |
|------------------|--------------------------------------------|--------------|
| Siemens          | 658-XXXX and 339-XXXX                      | ARK10        |
|                  | 591-XXXX and 598-XXXX                      | ARK11        |
| Honeywell        | V3XXXX (2-1/2 and 3-in.)                   | ARK16        |
|                  | V3XXXX (4 through 6-in.)                   | ARK18        |
|                  | V501X (A, B, C, F, G, N) 1/2 through 3-in. | ARK17        |
|                  | V501X (A, B, C) 4 through 6-in.            | ARK21        |
| Johnson Controls | VG2XXX                                     | ARK12        |
|                  | VG7XXX (1 thru 2-in.)                      | ARK13        |
|                  | VG7XXX (1/2 to 3/4-in.)                    | ARK19        |
| Siebe            | VB7XXX and VB9XXX (threaded and flanged)   | ARK14        |

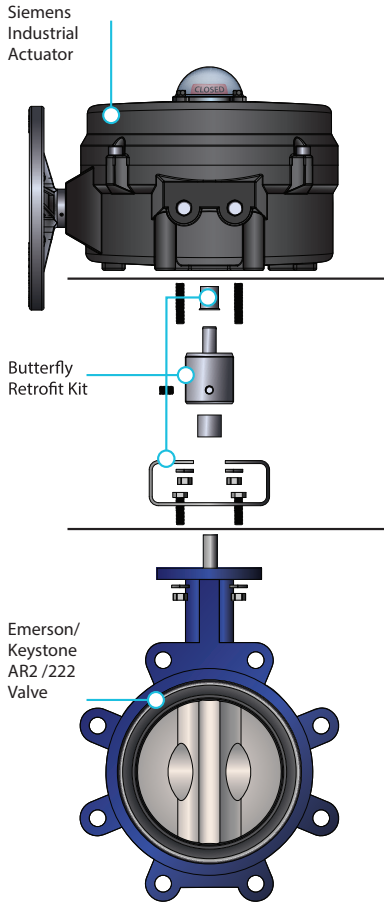
# Replace Emerson/Keystone EPI2 actuators with Siemens Butterfly Valve Retrofit Kits

## Description

Siemens Retrofit Kits are a quick, easy, and cost-effective solution to replacing failed Emerson/Keystone EPI2 actuators. Below is a selection guide to help choose the best kit (adapter) and Siemens A-series industrial actuator.

## Features

- 1) Identify the size of the Emerson Butterfly Valve and determine if it is Full Cut or Under Cut.
- 2) Based on the size, choose either 599-10062, 599-10072, 599-10073, or 599-10074 Retrofit Kit along with the Siemens actuator.
- 3) When ordering the actuator, replace XXX with following:
  - 126 for 24V On/Off
  - 166 for 24V Modulating
  - 226 for 120V On/Off
  - 266 for 120V Modulating
- 4) Contact tech support for 3-way retrofitting questions



## Butterfly Valve Retrofit Kits

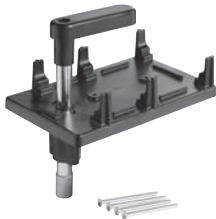
| Emerson Valve Size | Description                | Retrofit Kit | Siemens Actuator |
|--------------------|----------------------------|--------------|------------------|
| 2"                 | BFV 2W 2" Full cut valve   | 599-10072    | AXXX.530         |
| 2.5"               | BFV 2W 2.5" Full cut valve | 599-10072    | AXXX.530         |
| 3"                 | BFV 2W 3" Full cut valve   | 599-10072    | AXXX.530         |
| 4"                 | BFV 2W 4" Full cut valve   | 599-10062    | AXXX.2K          |
| 4"                 | BFV 2W 4" Undercut valve   | 599-10062    | AXXX.530         |
| 5"                 | BFV 2W 5" Full cut valve   | 599-10062    | AXXX.2K          |
| 5"                 | BFV 2W 5" Undercut valve   | 599-10062    | AXXX.530         |
| 6"                 | BFV 2W 6" Full cut valve   | 599-10062    | AXXX.2K          |
| 6"                 | BFV 2W 6" Undercut valve   | 599-10062    | AXXX.2K          |
| 8"                 | BFV 2W 8" Full cut valve   | 599-10074    | AXXX.5K          |
| 8"                 | BFV 2W 8" Undercut valve   | 599-10074    | AXXX.2K          |
| 10"                | BFV 2W 10" Full cut valve  | 599-10073    | AXXX.6K          |
| 10"                | BFV 2W 10" Undercut valve  | 599-10073    | AXXX.5K          |
| 12"                | BFV 2W 12" Full cut valve  | 599-10073    | AXXX.13K         |
| 12"                | BFV 2W 12" Undercut valve  | 599-10073    | AXXX.5K          |

|                                                                                     | Description                                           | Product Group          | Quantity | Part No.                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------|----------|---------------------------|
| <b>Intelligent Valves</b>                                                           |                                                       |                        |          |                           |
|    | Intelligent Valve Controller                          | 2.5 to 5 inch valves   | 1        | S55845-Z260 (ASE4U10U)    |
|    | Intelligent Valve Flow Sensors                        | 2.5-inch               | 1        | S55845-Z213 (AVF4E065)    |
|                                                                                     |                                                       | 3-inch                 | 1        | S55845-Z214 (AVF4E080)    |
|                                                                                     |                                                       | 4-inch                 | 1        | S55845-Z215 (AVF4E100)    |
|                                                                                     |                                                       | 5-inch                 | 1        | S55845-Z216 (AVF4E125)    |
|    | ISO to ANSI 125 Flange Adapters                       | 2.5-inch               | 2        | ALF4U0250                 |
|                                                                                     |                                                       | 3-inch                 | 2        | ALF4U0300                 |
|                                                                                     |                                                       | 4-inch                 | 2        | ALF4U0400                 |
|                                                                                     |                                                       | 5-inch                 | 2        | ALF4U0500                 |
|    | Match paired temperature sensors                      | 2.5- to 5-inch valves  | 1 pair   | S55845-Z230 (EZU10-10025) |
|  | Thermowells for temperature sensors                   | 2.5- to 5-inch valves  | 2        | EZT-S100U                 |
| <b>Pressure Independent Control Valves</b>                                          |                                                       |                        |          |                           |
|  | Weathershield for Pressure Independent Control Valves | SAV, SAX, SAY          | 1        | ASK39.1                   |
|  | PT Port Kit                                           | 1/2 to 1-1/4 inch PICV | 1 Set    | 599-10079                 |
|  | Rack and Pinion Linkage for PICV                      | 1-1/2 and 2-inch PICV  | 1        | 599-03615                 |

A-309

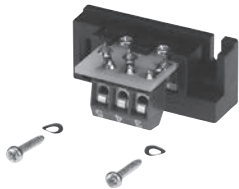
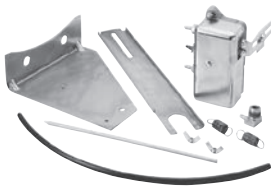
Valves

|                                                                                     | Description                                                                                                                                                       | Product Group          | Quantity      | Part No.            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|---------------------|
| <b>Pressure Independent Control Valves (cont.)</b>                                  |                                                                                                                                                                   |                        |               |                     |
|    | <b>Auxiliary Switch</b><br>Switches on or off when a certain position is reached. The switching point can lie between 0 to 100%.                                  | SAV61, SAX61, SAY61    | 1             | <b>ASC10.51</b>     |
|    | <b>Function Module</b> <ul style="list-style-type: none"><li>• Changeover of acting direction</li><li>• Connection terminals</li><li>• Sequence control</li></ul> | SAV61, SAX61, SAY61    | 1             | <b>AZX61.1</b>      |
| <b>Zone Valves</b>                                                                  |                                                                                                                                                                   |                        |               |                     |
|    | <b>Weather Shield for Zone Valves</b>                                                                                                                             | All Zone Valves        | 1             | <b>599-10077</b>    |
|    | <b>Actuator Support Ring</b>                                                                                                                                      | All Zone Valves        | Package of 10 | <b>599-00599</b>    |
|                                                                                     | <b>Conduit Adapter</b>                                                                                                                                            | SSE, SSF               | 5             | <b>S55845-Z277</b>  |
| <b>Powermite Valves</b>                                                             |                                                                                                                                                                   |                        |               |                     |
|  | <b>Weather Shield for Powermite Valves</b>                                                                                                                        | All Powermite Valves   | 1             | <b>599-10077</b>    |
|                                                                                     | <b>Conduit Adapter</b>                                                                                                                                            | SSB131.09U, SSB161.05U | 5             | <b>ASY101</b>       |
|  | <b>Protective Black Knob</b><br>Protects bonnet and threads.                                                                                                      | MZ, MT                 | 1             | <b>4 268 8895 0</b> |
|  | <b>Diaphragm Kit</b><br>Contains five diaphragms and mounting screws.                                                                                             | MT                     | Package of 5  | <b>656-736</b>      |
|  | <b>Powermite Externally Threaded Union Connection Kit</b> <ul style="list-style-type: none"><li>• 1/2"</li></ul>                                                  | MT                     | 1             | <b>599-02941</b>    |
|  | <b>Powermite Union Gasket Kit</b> <ul style="list-style-type: none"><li>• 1/2"</li></ul>                                                                          | MT                     | 25 Pieces     | <b>698-088</b>      |
|                                                                                     | <ul style="list-style-type: none"><li>• 3/4"</li></ul>                                                                                                            |                        | 25 Pieces     | <b>599-03394</b>    |

|                                                                                     | Description                                                                                         | Product Group       | Quantity     | Part No.         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------|--------------|------------------|
| <b>Ball Valves</b>                                                                  |                                                                                                     |                     |              |                  |
|    | <b>Low Profile Ball Valve Bracket</b><br>Includes mounting screws.                                  | Two-Way             | 1            | <b>599-10088</b> |
|    | <b>Ball Valve Bracket Kit</b><br>Includes mounting screws.                                          | Two-Way & Three-Way | 1            | <b>599-10078</b> |
|    | <b>Ball Valve Weathershield</b><br>Not compatible with 1/2 and 3/4" 2-Way Valves.                   | Two-Way & Three-Way | 1            | <b>599-10080</b> |
|  | <b>Actuator Bracket</b>                                                                             | Six-Way             | 1            | <b>ASK77.3</b>   |
|  | <b>1/2" Tail Pieces</b><br>1/2" union fittings with NPT internally threaded tailpieces and gaskets. | Six-Way             | Package of 6 | <b>599-10661</b> |
|  | <b>3/4" Tail Pieces</b><br>3/4" union fittings with NPT internally threaded tailpieces and gaskets. | Six-Way             | Package of 6 | <b>599-10662</b> |
|  | <b>1" Tail Pieces</b><br>1" union fittings with NPT internally threaded tailpieces and gaskets.     | Six-Way             | Package of 6 | <b>599-10663</b> |

A-311

Valves

|                                                                                     | Description                                                                                                                                                           | Product Group       | Quantity | Part No.         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|------------------|
| <b>Flowrite Valves</b>                                                              |                                                                                                                                                                       |                     |          |                  |
|    | <b>Auxiliary Switch</b><br>Sends a signal to indicate that the valve is in the 0% stroke position; switching point is fixed at the 0% stroke position.                | SKB62, SKC62, SKD62 | 1        | <b>ASC1.6</b>    |
|    | <b>Double Auxiliary Switch</b><br>Switch has adjustable cams that can be set to give a signal at a desired position.                                                  | SKB82, SKC82, SKD82 |          |                  |
|                                                                                     | <ul style="list-style-type: none"> <li>• SKB/C</li> </ul>                                                                                                             |                     | 1        | <b>ASC9.3BCU</b> |
|                                                                                     | <ul style="list-style-type: none"> <li>• SKD</li> </ul>                                                                                                               |                     | 1        | <b>ASC9.3DU</b>  |
|    | <b>Potentiometer</b>                                                                                                                                                  | SK_82_              | 1        | <b>ASZ7.3</b>    |
|   | <b>Auxiliary Switch</b><br>Switches on or off when a certain position is reached. The switching point can lie between 0 to 100%.                                      | SAX                 | 1        | <b>ASC10.51</b>  |
|  | <b>Function Module</b> <ul style="list-style-type: none"> <li>• Changeover of acting direction</li> <li>• Connection terminals</li> <li>• Sequence control</li> </ul> | SAX61               | 1        | <b>AZX61.1</b>   |
|  | <b>Positioning Relay and Mounting Kit</b>                                                                                                                             | Flowrite            |          |                  |
|                                                                                     | <ul style="list-style-type: none"> <li>• 8-inch</li> </ul>                                                                                                            |                     | 1        | <b>599-00426</b> |
|                                                                                     | <ul style="list-style-type: none"> <li>• 12-inch</li> </ul>                                                                                                           |                     | 1        | <b>599-00423</b> |



|                                                                                     | Description                                                                                                      | Product Group       | Quantity | Part No.        |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|----------|-----------------|
| Flowrite Valves                                                                     |                                                                                                                  |                     |          |                 |
|    | <b>Rack and Pinion/Bracket Only</b><br>Use with electronic actuator on Flowrite 1/2-2" (20 mm) stroke valves.    | Flowrite            | 1        | 599-03610       |
|    | <b>Weathershield</b>                                                                                             | SKB/SKC             | 1        | 599-10065       |
|    | <b>Weathershield</b>                                                                                             | SKD/SQX             | 1        | 599-10071       |
|   | <b>Weathershield</b>                                                                                             | SAX                 | 1        | ASK39.1         |
|  | <b>Universal Valve Retrofit Kit</b><br>Contains parts to adapt a valve to Siemens Flowrite 599 Series Actuators. | SKB/SKC, SKD, SQX   | 1        | See table below |
| <b>Brand</b>                                                                        | <b>Valve and Product No.</b>                                                                                     | <b>Kit Part No.</b> |          |                 |
| Siemens                                                                             | 658-XXXX and 339-XXXX                                                                                            | ARK10               |          |                 |
|                                                                                     | 591-XXXX and 598-XXXX                                                                                            | ARK11               |          |                 |
| Honeywell                                                                           | V3XXXX (2-1/2 and 3-in.)                                                                                         | ARK16               |          |                 |
|                                                                                     | V3XXXX (4 thru 6-in.)                                                                                            | ARK18               |          |                 |
|                                                                                     | V501X (A, B, C, F, G, N) 1/2 thru 3-in.                                                                          | ARK17               |          |                 |
|                                                                                     | V501X (A, B, C) 4 thru 6-in.                                                                                     | ARK21               |          |                 |
| Johnson Controls                                                                    | VG2XXX                                                                                                           | ARK12               |          |                 |
|                                                                                     | VG7XXX (1 thru 2-in.)                                                                                            | ARK13               |          |                 |
|                                                                                     | VG7XXX (1/2 to 3/4-in.)                                                                                          | ARK19               |          |                 |
| Siebe                                                                               | VB7XXX and VB9XXX (threaded & flanged)                                                                           | ARK14               |          |                 |

**Note:**  
The model (M), year (Y) and week (W) of original manufacture of the valve is stamped on the valve tag in MM/YY/WW format.

## Accessories & Service Kits

A-314

Valves

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Description                                                    | Product Group | Quantity | Part No.        |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|----------|-----------------|----------------|--------------|-----|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|
| Flowrite Valves                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1/2" to 2" 2-way Bronze Valve Body Rebuild/Repack Service Kits | Flowrite      | 1        | See table below |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| <table><tr><th>Valve Part No.</th><th>Kit Part No.</th></tr><tr><td>FxF</td><td></td></tr><tr><td>599-03000</td><td>599-03300</td></tr><tr><td>599-03001</td><td>599-03301</td></tr><tr><td>599-03002</td><td>599-03302</td></tr><tr><td>599-03003</td><td>599-03303</td></tr><tr><td>599-03004</td><td>599-03304</td></tr><tr><td>599-03005</td><td>599-03305</td></tr><tr><td>599-03006</td><td>599-09201*</td></tr><tr><td>599-03007</td><td>599-09202*</td></tr><tr><td>599-03008</td><td>599-09203*</td></tr><tr><td>599-03018</td><td>599-03309</td></tr><tr><td>599-03019</td><td>599-03310</td></tr><tr><td>599-03020</td><td>599-03311</td></tr><tr><td>599-03021</td><td>599-03312</td></tr><tr><td>599-03022</td><td>599-03313</td></tr><tr><td>599-03023</td><td>599-03314</td></tr><tr><td>599-03024</td><td>599-09213*</td></tr><tr><td>599-03025</td><td>599-09214*</td></tr><tr><td>599-03026</td><td>599-09215*</td></tr><tr><td>599-03054</td><td>599-03318</td></tr><tr><td>599-03055</td><td>599-03319</td></tr><tr><td>599-03056</td><td>599-03320</td></tr><tr><td>599-03057</td><td>599-03321</td></tr><tr><td>599-03058</td><td>599-03322</td></tr><tr><td>599-03059</td><td>599-03323</td></tr><tr><td>599-03060</td><td>599-09204*</td></tr><tr><td>599-03061</td><td>599-09205*</td></tr><tr><td>599-03062</td><td>599-09206*</td></tr><tr><td>599-03072</td><td>599-03327</td></tr><tr><td>599-03073</td><td>599-03328</td></tr><tr><td>599-03074</td><td>599-03329</td></tr><tr><td>599-03075</td><td>599-03330</td></tr><tr><td>599-03076</td><td>599-03331</td></tr><tr><td>599-03077</td><td>599-03332</td></tr><tr><td>599-03078</td><td>599-09216*</td></tr><tr><td>599-03079</td><td>599-09217*</td></tr><tr><td>599-03080</td><td>599-09218*</td></tr></table> |                                                                |               |          |                 | Valve Part No. | Kit Part No. | FxF |  | 599-03000 | 599-03300 | 599-03001 | 599-03301 | 599-03002 | 599-03302 | 599-03003 | 599-03303 | 599-03004 | 599-03304 | 599-03005 | 599-03305 | 599-03006 | 599-09201* | 599-03007 | 599-09202* | 599-03008 | 599-09203* | 599-03018 | 599-03309 | 599-03019 | 599-03310 | 599-03020 | 599-03311 | 599-03021 | 599-03312 | 599-03022 | 599-03313 | 599-03023 | 599-03314 | 599-03024 | 599-09213* | 599-03025 | 599-09214* | 599-03026 | 599-09215* | 599-03054 | 599-03318 | 599-03055 | 599-03319 | 599-03056 | 599-03320 | 599-03057 | 599-03321 | 599-03058 | 599-03322 | 599-03059 | 599-03323 | 599-03060 | 599-09204* | 599-03061 | 599-09205* | 599-03062 | 599-09206* | 599-03072 | 599-03327 | 599-03073 | 599-03328 | 599-03074 | 599-03329 | 599-03075 | 599-03330 | 599-03076 | 599-03331 | 599-03077 | 599-03332 | 599-03078 | 599-09216* | 599-03079 | 599-09217* | 599-03080 | 599-09218* |
| Valve Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Kit Part No.                                                   |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| FxF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03300                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03301                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03302                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03303                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03304                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03305                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09201*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09202*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09203*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03309                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03310                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03311                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03312                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03313                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03314                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09213*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09214*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09215*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03318                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03319                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03320                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03057                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03321                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03058                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03322                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03059                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03323                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09204*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09205*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09206*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03072                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03327                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03073                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03328                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03329                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03075                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03330                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03076                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03331                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03077                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-03332                                                      |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03078                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09216*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03079                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09217*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| 599-03080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 599-09218*                                                     |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| <p><b>Note:</b><br/>The model (M), year (Y) and week (W) of original manufacture of the valve is stamped on the valve tag in MM/YY/WW format.</p> <p><b>Key:</b><br/><b>IT</b> Internally Threaded NPT      <b>UIT</b> Union Internally Threaded<br/><b>AIT</b> Angle Internally Threaded      <b>UET</b> Union Externally Threaded</p> <p>* These kits can be used only on model 2 valves. If the valve is model 1, a new valve needs to be ordered.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |
| Continued...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |               |          |                 |                |              |     |  |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |            |           |            |

Continued...

|                                                                                   | Description                                                   | Product Group | Quantity | Part No.        |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------|-----------------|
| <b>Flowrite Valves</b>                                                            |                                                               |               |          |                 |
|  | 1/2 to 2" 2-way Bronze Valve Body Rebuild/Repack Service Kits | Flowrite      | 1        | See table below |

| Valve Part No. | Kit Part No. |
|----------------|--------------|
| FxF            |              |
| 599-03108      | 599-03336    |
| 599-03109      | 599-03337    |
| 599-03110      | 599-03338    |
| 599-03111      | 599-03339    |
| 599-03112      | 599-03340    |
| 599-03113      | 599-03341    |
| 599-03114      | 599-09207    |
| 599-03115      | 599-09208    |
| 599-03116      | 599-09209    |
| 599-03126      | 599-03345    |
| 599-03127      | 599-03346    |
| 599-03128      | 599-03347    |
| 599-03129      | 599-03348    |
| 599-03130      | 599-03349    |
| 599-03131      | 599-03350    |
| 599-03132      | 599-09219    |
| 599-03133      | 599-09220    |
| 599-03134      | 599-09221    |
| 599-03162      | 599-03354    |
| 599-03163      | 599-03355    |
| 599-03164      | 599-03356    |
| 599-03165      | 599-03357    |
| 599-03166      | 599-03358    |
| 599-03167      | 599-03359    |
| 599-03168      | 599-09210*   |
| 599-03169      | 599-09211*   |
| 599-03170      | 599-09212*   |
| 599-03180      | 599-03363    |
| 599-03181      | 599-03364    |
| 599-03182      | 599-03365    |
| 599-03183      | 599-03366    |
| 599-03184      | 599-03367    |
| 599-03185      | 599-03368    |
| 599-03186      | 599-09222*   |
| 599-03187      | 599-09223*   |
| 599-03188      | 599-09224*   |

**Note:**

The model (M), year (Y) and week (W) of original manufacture of the valve is stamped on the valve tag in MM/YY/WW format.

**Key:**

**IT** Internally Threaded NPT      **UIT** Union Internally Threaded  
**AIT** Angle Internally Threaded      **UET** Union Externally Threaded

\* These kits can be used only on model 2 valves. If the valve is model 1, a new valve needs to be ordered.

A-315

Valves

## Accessories & Service Kits

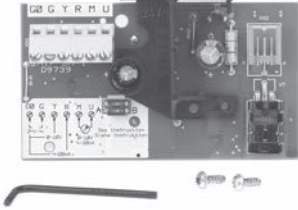
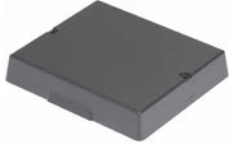
A-316

Valves

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Product Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quantity       | Part No.        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| Flowrite Valves                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
|  <p><b>Note:</b><br/>The model (M), year (Y) and week (W) of original manufacture of the valve is stamped on the valve tag in MM/YY/WW format.</p> <p><b>Key:</b><br/><b>IT</b> Internally Threaded NPT<br/><b>AIT</b> Angle Internally Threaded<br/><b>UIT</b> Union Internally Threaded<br/><b>UET</b> Union Externally Threaded</p> <p>* These kits can be used only on model 2 valves. If the valve is model 1, a new valve needs to be ordered.</p> | 1/2 to 2" 3-way Bronze Valve Body Rebuild/Repack Service Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flowrite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1              | See table below |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <table><thead><tr><th>FxF</th><th>UFxUF</th><th>Kit Part No.</th></tr></thead><tbody><tr><td>599-03144</td><td>599-03153</td><td>599-03372</td></tr><tr><td>599-03145</td><td>599-03154</td><td>599-03373</td></tr><tr><td>599-03146</td><td>599-03155</td><td>599-03374</td></tr><tr><td>599-03147</td><td>599-03156</td><td>599-03375</td></tr><tr><td>599-03148</td><td>599-03157</td><td>599-03376</td></tr><tr><td>599-03149</td><td>599-03158</td><td>599-03377</td></tr><tr><td>599-03150</td><td>599-03159</td><td>599-09225*</td></tr><tr><td>599-03151</td><td>599-03160</td><td>599-09226*</td></tr><tr><td>599-03152</td><td>599-03161</td><td>599-09227*</td></tr><tr><td>599-03198</td><td>599-03207</td><td>599-03381</td></tr><tr><td>599-03199</td><td>599-03208</td><td>599-03382</td></tr><tr><td>599-03200</td><td>599-03209</td><td>599-03383</td></tr><tr><td>599-03201</td><td>599-03210</td><td>599-03384</td></tr><tr><td>599-03202</td><td>599-03211</td><td>599-03385</td></tr><tr><td>599-03203</td><td>599-03212</td><td>599-03386</td></tr><tr><td>599-03204</td><td>599-03213</td><td>599-09228*</td></tr><tr><td>599-03205</td><td>599-03214</td><td>599-09229*</td></tr><tr><td>599-03206</td><td>599-03215</td><td>599-09230*</td></tr></tbody></table> | FxF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UFxUF          | Kit Part No.    | 599-03144 | 599-03153 | 599-03372 | 599-03145 | 599-03154 | 599-03373 | 599-03146 | 599-03155 | 599-03374 | 599-03147 | 599-03156 | 599-03375 | 599-03148 | 599-03157 | 599-03376 | 599-03149 | 599-03158 | 599-03377 | 599-03150 | 599-03159 | 599-09225* | 599-03151 | 599-03160 | 599-09226* | 599-03152 | 599-03161 | 599-09227* | 599-03198 | 599-03207 | 599-03381 | 599-03199 | 599-03208 | 599-03382 | 599-03200 | 599-03209 | 599-03383 | 599-03201 | 599-03210 | 599-03384 | 599-03202 | 599-03211 | 599-03385 | 599-03203 | 599-03212 | 599-03386 | 599-03204 | 599-03213 | 599-09228* | 599-03205 | 599-03214 | 599-09229* | 599-03206 | 599-03215 | 599-09230* |           |           |           |           |           |           |  |
| FxF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UFxUF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Kit Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03372                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03373                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03374                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03375                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03376                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03377                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09225*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09226*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03161                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09227*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03198                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03381                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03199                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03384                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03385                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03386                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09228*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09229*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-03206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-03215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-09230*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2-1/2 to 6" 2-way Flanged Iron Valve Body Rebuild/Repack Service Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Flowrite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1              | See table below |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <table><thead><tr><th>Valve Part No.</th><th>Kit Part No.</th></tr></thead><tbody><tr><td>599-05920</td><td>599-10130</td></tr><tr><td>599-05921</td><td>599-10131</td></tr><tr><td>599-05922</td><td>599-10132</td></tr><tr><td>599-05923</td><td>599-10133</td></tr><tr><td>599-05924</td><td>599-10134</td></tr><tr><td>599-05930</td><td>599-10140</td></tr><tr><td>599-05931</td><td>599-10141</td></tr><tr><td>599-05932</td><td>599-10142</td></tr><tr><td>599-05933</td><td>599-10143</td></tr><tr><td>599-05934</td><td>599-10144</td></tr><tr><td>599-05940</td><td>599-10135</td></tr><tr><td>599-05941</td><td>599-10136</td></tr><tr><td>599-05942</td><td>599-10137</td></tr><tr><td>599-05943</td><td>599-10138</td></tr><tr><td>599-05944</td><td>599-10139</td></tr><tr><td>599-05950</td><td>599-10145</td></tr><tr><td>599-05951</td><td>599-10146</td></tr><tr><td>599-05952</td><td>599-10147</td></tr><tr><td>599-05953</td><td>599-10148</td></tr><tr><td>599-05954</td><td>599-10149</td></tr><tr><td>599-05960</td><td>599-10130</td></tr><tr><td>599-05961</td><td>599-10131</td></tr><tr><td>599-05962</td><td>599-10132</td></tr><tr><td>599-05963</td><td>599-10133</td></tr><tr><td>599-05964</td><td>599-10134</td></tr><tr><td>599-05970</td><td>599-10140</td></tr><tr><td>599-05971</td><td>599-10141</td></tr><tr><td>599-05972</td><td>599-10142</td></tr><tr><td>599-05973</td><td>599-10143</td></tr><tr><td>599-05974</td><td>599-10144</td></tr></tbody></table> | Valve Part No. | Kit Part No.    | 599-05920 | 599-10130 | 599-05921 | 599-10131 | 599-05922 | 599-10132 | 599-05923 | 599-10133 | 599-05924 | 599-10134 | 599-05930 | 599-10140 | 599-05931 | 599-10141 | 599-05932 | 599-10142 | 599-05933 | 599-10143 | 599-05934 | 599-10144 | 599-05940  | 599-10135 | 599-05941 | 599-10136  | 599-05942 | 599-10137 | 599-05943  | 599-10138 | 599-05944 | 599-10139 | 599-05950 | 599-10145 | 599-05951 | 599-10146 | 599-05952 | 599-10147 | 599-05953 | 599-10148 | 599-05954 | 599-10149 | 599-05960 | 599-10130 | 599-05961 | 599-10131 | 599-05962 | 599-10132 | 599-05963 | 599-10133  | 599-05964 | 599-10134 | 599-05970  | 599-10140 | 599-05971 | 599-10141  | 599-05972 | 599-10142 | 599-05973 | 599-10143 | 599-05974 | 599-10144 |  |
| Valve Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Kit Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05921                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05922                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05923                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10133                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05924                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05930                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05931                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05932                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05933                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05934                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05941                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10136                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05942                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05943                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05944                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05951                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05952                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05953                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05961                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05962                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05963                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10133                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05964                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05970                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05971                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05972                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05973                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| 599-05974                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 599-10144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |
| Continued...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |            |           |           |            |           |           |           |           |           |           |  |

|                                                                                   | Description                                                           | Product Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity | Part No.        |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Flowrite Valves                                                                   |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|  | 2-1/2 to 6" 2-way Flanged Iron Valve Body Rebuild/Repack Service Kits | Flowrite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1        | See table below |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                                                   |                                                                       | <table><tr><th>Valve Part No.</th><th>Kit Part No.</th></tr><tr><td>599-05980</td><td>599-10135</td></tr><tr><td>599-05981</td><td>599-10136</td></tr><tr><td>599-05982</td><td>599-10137</td></tr><tr><td>599-05983</td><td>599-10138</td></tr><tr><td>599-05984</td><td>599-10139</td></tr><tr><td>599-05990</td><td>599-10145</td></tr><tr><td>599-05991</td><td>599-10146</td></tr><tr><td>599-05992</td><td>599-10147</td></tr><tr><td>599-05993</td><td>599-10148</td></tr><tr><td>599-05994</td><td>599-10149</td></tr><tr><td>599-06040</td><td>599-10110</td></tr><tr><td>599-06041</td><td>599-10111</td></tr><tr><td>599-06042</td><td>599-10112</td></tr><tr><td>599-06043</td><td>599-10113</td></tr><tr><td>599-06044</td><td>599-10114</td></tr><tr><td>599-06050</td><td>599-10115</td></tr><tr><td>599-06051</td><td>599-10116</td></tr><tr><td>599-06052</td><td>599-10117</td></tr><tr><td>599-06053</td><td>599-10118</td></tr><tr><td>599-06054</td><td>599-10119</td></tr><tr><td>599-06060</td><td>599-10100</td></tr><tr><td>599-06061</td><td>599-10101</td></tr><tr><td>599-06062</td><td>599-10102</td></tr><tr><td>599-06063</td><td>599-10103</td></tr><tr><td>599-06064</td><td>599-10104</td></tr><tr><td>599-06070</td><td>599-10105</td></tr><tr><td>599-06071</td><td>599-10106</td></tr><tr><td>599-06072</td><td>599-10107</td></tr><tr><td>599-06073</td><td>599-10108</td></tr><tr><td>599-06074</td><td>599-10109</td></tr><tr><td>599-06120</td><td>599-10110</td></tr><tr><td>599-06121</td><td>599-10111</td></tr><tr><td>599-06122</td><td>599-10112</td></tr><tr><td>599-06123</td><td>599-10113</td></tr><tr><td>599-06124</td><td>599-10114</td></tr><tr><td>599-06130</td><td>599-10115</td></tr><tr><td>599-06131</td><td>599-10116</td></tr><tr><td>599-06132</td><td>599-10117</td></tr><tr><td>599-06133</td><td>599-10118</td></tr><tr><td>599-06134</td><td>599-10119</td></tr><tr><td>599-06140</td><td>599-10100</td></tr><tr><td>599-06141</td><td>599-10101</td></tr><tr><td>599-06142</td><td>599-10102</td></tr><tr><td>599-06143</td><td>599-10103</td></tr><tr><td>599-06144</td><td>599-10104</td></tr><tr><td>599-06150</td><td>599-10105</td></tr><tr><td>599-06151</td><td>599-10106</td></tr><tr><td>599-06152</td><td>599-10107</td></tr><tr><td>599-06153</td><td>599-10108</td></tr><tr><td>599-06154</td><td>599-10109</td></tr></table> |          |                 | Valve Part No. | Kit Part No. | 599-05980 | 599-10135 | 599-05981 | 599-10136 | 599-05982 | 599-10137 | 599-05983 | 599-10138 | 599-05984 | 599-10139 | 599-05990 | 599-10145 | 599-05991 | 599-10146 | 599-05992 | 599-10147 | 599-05993 | 599-10148 | 599-05994 | 599-10149 | 599-06040 | 599-10110 | 599-06041 | 599-10111 | 599-06042 | 599-10112 | 599-06043 | 599-10113 | 599-06044 | 599-10114 | 599-06050 | 599-10115 | 599-06051 | 599-10116 | 599-06052 | 599-10117 | 599-06053 | 599-10118 | 599-06054 | 599-10119 | 599-06060 | 599-10100 | 599-06061 | 599-10101 | 599-06062 | 599-10102 | 599-06063 | 599-10103 | 599-06064 | 599-10104 | 599-06070 | 599-10105 | 599-06071 | 599-10106 | 599-06072 | 599-10107 | 599-06073 | 599-10108 | 599-06074 | 599-10109 | 599-06120 | 599-10110 | 599-06121 | 599-10111 | 599-06122 | 599-10112 | 599-06123 | 599-10113 | 599-06124 | 599-10114 | 599-06130 | 599-10115 | 599-06131 | 599-10116 | 599-06132 | 599-10117 | 599-06133 | 599-10118 | 599-06134 | 599-10119 | 599-06140 | 599-10100 | 599-06141 | 599-10101 | 599-06142 | 599-10102 | 599-06143 | 599-10103 | 599-06144 | 599-10104 | 599-06150 | 599-10105 | 599-06151 | 599-10106 | 599-06152 | 599-10107 | 599-06153 | 599-10108 | 599-06154 | 599-10109 |
|                                                                                   | Valve Part No.                                                        | Kit Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                                                   | 599-05980                                                             | 599-10135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                                                   | 599-05981                                                             | 599-10136                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05982                                                                         | 599-10137                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05983                                                                         | 599-10138                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05984                                                                         | 599-10139                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05990                                                                         | 599-10145                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05991                                                                         | 599-10146                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05992                                                                         | 599-10147                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05993                                                                         | 599-10148                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-05994                                                                         | 599-10149                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06040                                                                         | 599-10110                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06041                                                                         | 599-10111                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06042                                                                         | 599-10112                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06043                                                                         | 599-10113                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06044                                                                         | 599-10114                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06050                                                                         | 599-10115                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06051                                                                         | 599-10116                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06052                                                                         | 599-10117                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06053                                                                         | 599-10118                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06054                                                                         | 599-10119                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06060                                                                         | 599-10100                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06061                                                                         | 599-10101                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06062                                                                         | 599-10102                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06063                                                                         | 599-10103                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06064                                                                         | 599-10104                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06070                                                                         | 599-10105                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06071                                                                         | 599-10106                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06072                                                                         | 599-10107                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06073                                                                         | 599-10108                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06074                                                                         | 599-10109                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06120                                                                         | 599-10110                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06121                                                                         | 599-10111                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06122                                                                         | 599-10112                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06123                                                                         | 599-10113                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06124                                                                         | 599-10114                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06130                                                                         | 599-10115                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06131                                                                         | 599-10116                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06132                                                                         | 599-10117                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06133                                                                         | 599-10118                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06134                                                                         | 599-10119                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06140                                                                         | 599-10100                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06141                                                                         | 599-10101                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06142                                                                         | 599-10102                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06143                                                                         | 599-10103                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06144                                                                         | 599-10104                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06150                                                                         | 599-10105                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06151                                                                         | 599-10106                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06152                                                                         | 599-10107                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06153                                                                         | 599-10108                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 599-06154                                                                         | 599-10109                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                                                   |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                                                                   |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                 |                |              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

|                                                                                     | Description                                                             | Product Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity                | Part No.        |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|----------------|--------------|-----------|-------------------------|-----------|-----------|-----------|-----------|---------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|--------|-----|-----------|-----------|-----------|---------|-----|-----------|-----------|-----------|---------|-----|-----------|-----------|-----------|---------|-----|
| Flowrite Valves                                                                     |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|    | 2-1/2 to 6" 3-way Flanged Iron Valve Body Rebuild/Repack Service Kit    | Flowrite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                       | See table below |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     |                                                                         | <table><tr><th>Valve Part No.</th><th>Kit Part No.</th></tr><tr><td>599-06160</td><td>599-10125</td></tr><tr><td>599-06161</td><td>599-10126</td></tr><tr><td>599-06162</td><td>599-10127</td></tr><tr><td>599-06163</td><td>599-10128</td></tr><tr><td>599-06164</td><td>599-10129</td></tr><tr><td>599-06165</td><td>599-10120</td></tr><tr><td>599-06166</td><td>599-10121</td></tr><tr><td>599-06167</td><td>599-10122</td></tr><tr><td>599-06168</td><td>599-10123</td></tr><tr><td>599-06169</td><td>599-10124</td></tr><tr><td>599-06170</td><td>599-10125</td></tr><tr><td>599-06171</td><td>599-10126</td></tr><tr><td>599-06172</td><td>599-10127</td></tr><tr><td>599-06173</td><td>599-10128</td></tr><tr><td>599-06174</td><td>599-10129</td></tr><tr><td>599-06175</td><td>599-10120</td></tr><tr><td>599-06176</td><td>599-10121</td></tr><tr><td>599-06177</td><td>599-10122</td></tr><tr><td>599-06178</td><td>599-10123</td></tr><tr><td>599-06179</td><td>599-10124</td></tr></table>                                                                                                                                                                                                                                            |                         |                 | Valve Part No. | Kit Part No. | 599-06160 | 599-10125               | 599-06161 | 599-10126 | 599-06162 | 599-10127 | 599-06163     | 599-10128 | 599-06164 | 599-10129  | 599-06165 | 599-10120 | 599-06166 | 599-10121 | 599-06167 | 599-10122 | 599-06168 | 599-10123 | 599-06169 | 599-10124 | 599-06170 | 599-10125 | 599-06171 | 599-10126 | 599-06172 | 599-10127 | 599-06173 | 599-10128 | 599-06174 | 599-10129 | 599-06175 | 599-10120 | 599-06176       | 599-10121 | 599-06177 | 599-10122  | 599-06178 | 599-10123 | 599-06179 | 599-10124 |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| Valve Part No.                                                                      | Kit Part No.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06160                                                                           | 599-10125                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06161                                                                           | 599-10126                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06162                                                                           | 599-10127                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06163                                                                           | 599-10128                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06164                                                                           | 599-10129                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06165                                                                           | 599-10120                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06166                                                                           | 599-10121                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06167                                                                           | 599-10122                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06168                                                                           | 599-10123                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06169                                                                           | 599-10124                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06170                                                                           | 599-10125                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06171                                                                           | 599-10126                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06172                                                                           | 599-10127                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06173                                                                           | 599-10128                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06174                                                                           | 599-10129                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06175                                                                           | 599-10120                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06176                                                                           | 599-10121                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06177                                                                           | 599-10122                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06178                                                                           | 599-10123                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| 599-06179                                                                           | 599-10124                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|  | 2-1/2 to 6" High Close Off Rebuild/Repack Service Kits (ANSI 125 & 250) | Flowrite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                       | See table below |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     |                                                                         | <table><tr><th rowspan="2">Action</th><th colspan="2">Valve Body</th><th rowspan="2">Valve Size<br/>Inch (mm)</th><th rowspan="2">Cv</th><th rowspan="2">Kit No.</th></tr><tr><th>ANSI 125</th><th>ANSI 250</th></tr><tr><td rowspan="5">Normally Open</td><td>599-06610</td><td>599-06620</td><td>2-1/2 (65)</td><td>63</td><td>599-09250</td></tr><tr><td>599-06611</td><td>599-06621</td><td>3 (80)</td><td>100</td><td>599-09251</td></tr><tr><td>599-06612</td><td>599-06622</td><td>4 (100)</td><td>160</td><td>599-09252</td></tr><tr><td>599-06613</td><td>599-06623</td><td>5 (125)</td><td>250</td><td>599-09253</td></tr><tr><td>599-06614</td><td>599-06624</td><td>6 (150)</td><td>400</td><td>599-09254</td></tr><tr><td rowspan="5">Normally Closed</td><td>599-06615</td><td>599-06625</td><td>2-1/2 (65)</td><td>63</td><td>599-09255</td></tr><tr><td>599-06616</td><td>599-06626</td><td>3 (80)</td><td>100</td><td>599-09256</td></tr><tr><td>599-06617</td><td>599-06627</td><td>4 (100)</td><td>160</td><td>599-09257</td></tr><tr><td>599-06618</td><td>599-06628</td><td>5 (125)</td><td>250</td><td>599-09258</td></tr><tr><td>599-06619</td><td>599-06629</td><td>6 (150)</td><td>400</td><td>599-09259</td></tr></table> |                         |                 | Action         | Valve Body   |           | Valve Size<br>Inch (mm) | Cv        | Kit No.   | ANSI 125  | ANSI 250  | Normally Open | 599-06610 | 599-06620 | 2-1/2 (65) | 63        | 599-09250 | 599-06611 | 599-06621 | 3 (80)    | 100       | 599-09251 | 599-06612 | 599-06622 | 4 (100)   | 160       | 599-09252 | 599-06613 | 599-06623 | 5 (125)   | 250       | 599-09253 | 599-06614 | 599-06624 | 6 (150)   | 400       | 599-09254 | Normally Closed | 599-06615 | 599-06625 | 2-1/2 (65) | 63        | 599-09255 | 599-06616 | 599-06626 | 3 (80) | 100 | 599-09256 | 599-06617 | 599-06627 | 4 (100) | 160 | 599-09257 | 599-06618 | 599-06628 | 5 (125) | 250 | 599-09258 | 599-06619 | 599-06629 | 6 (150) | 400 |
| Action                                                                              | Valve Body                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Valve Size<br>Inch (mm) | Cv              |                | Kit No.      |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | ANSI 125                                                                | ANSI 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                 |                |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| Normally Open                                                                       | 599-06610                                                               | 599-06620                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2-1/2 (65)              | 63              | 599-09250      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06611                                                               | 599-06621                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (80)                  | 100             | 599-09251      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06612                                                               | 599-06622                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 (100)                 | 160             | 599-09252      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06613                                                               | 599-06623                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 (125)                 | 250             | 599-09253      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06614                                                               | 599-06624                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 (150)                 | 400             | 599-09254      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
| Normally Closed                                                                     | 599-06615                                                               | 599-06625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2-1/2 (65)              | 63              | 599-09255      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06616                                                               | 599-06626                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (80)                  | 100             | 599-09256      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06617                                                               | 599-06627                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 (100)                 | 160             | 599-09257      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06618                                                               | 599-06628                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 (125)                 | 250             | 599-09258      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |
|                                                                                     | 599-06619                                                               | 599-06629                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 (150)                 | 400             | 599-09259      |              |           |                         |           |           |           |           |               |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |            |           |           |           |           |        |     |           |           |           |         |     |           |           |           |         |     |           |           |           |         |     |

|                                                                                                     | Description                                                                         | Product Group                  | Quantity | Part No.         |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|----------|------------------|
| <b>Flowrite Valves</b>                                                                              |                                                                                     |                                |          |                  |
|                    | <b>1/2 to 2" Bronze Valve Body Valve Repack Kits (10 mm. dia.)</b>                  | Flowrite                       |          |                  |
|                                                                                                     | • Normal Duty                                                                       |                                | 1        | <b>599-03390</b> |
|                                                                                                     | • Steam                                                                             |                                | 1        | <b>599-03391</b> |
|                    | <b>2-1/2 to 6" Flanged Iron Valve Body Repack Kit (14 mm dia.) (Cartridge)</b>      | Flowrite                       |          |                  |
|                                                                                                     | • Normal Duty                                                                       |                                | 1        | <b>599-08020</b> |
|                                                                                                     | • Steam                                                                             |                                | 1        | <b>599-08021</b> |
|                    | <b>Packing Kits</b>                                                                 | Flowrite 591-598 Series Valves |          |                  |
|                                                                                                     | • 1/4" Diameter                                                                     |                                | 1        | <b>591-501</b>   |
|                                                                                                     | • 3/8" Diameter                                                                     |                                | 1        | <b>591-502</b>   |
|  <p>8" Shown</p> | <b>Diaphragm Replacement Kits</b>                                                   | Flowrite                       |          |                  |
|                                                                                                     | • 4-inch Normal Duty                                                                |                                | 1        | <b>599-01093</b> |
|                                                                                                     | • 8-inch Normal Duty                                                                |                                | 1        | <b>599-01060</b> |
|                                                                                                     | • 8-inch High Temperature                                                           |                                | 1        | <b>599-01061</b> |
|                                                                                                     | • 12-inch Normal Duty                                                               |                                | 1        | <b>599-01070</b> |
|                  | <b>Stem Retainer Kit</b>                                                            | Flowrite                       |          |                  |
|                                                                                                     | With interface nut and stem retainer ring. For 8-inch, 12-inch and SKB/C actuators. |                                |          |                  |
|                                                                                                     | • 10 mm                                                                             |                                | 1        | <b>599-10048</b> |
|                  | <b>Circuit Board Replacement</b>                                                    | SKB/C/D62U                     | 1        | <b>466857488</b> |
|                                                                                                     |                                                                                     | SKB/C/D62UA                    | 1        | <b>466857518</b> |
|                                                                                                     |                                                                                     | SKB/C/D60_                     | 1        | <b>466857598</b> |
|                  | <b>Plastic Wiring Compartment Cover</b>                                             | SKD                            | 1        | <b>410456348</b> |
|                                                                                                     |                                                                                     | SKB/SKC                        | 1        | <b>410455828</b> |

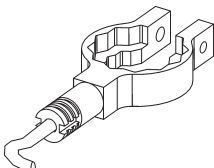
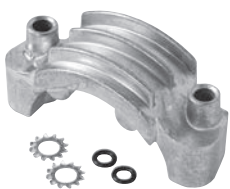
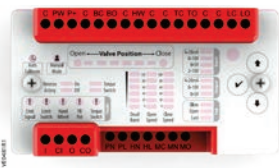
A-319

Valves

## Accessories & Service Kits

A-320

Valves

|                                                                                     | Description                                                  | Product Group        | Quantity | Part No.    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------|----------|-------------|
| Flowrite Valves                                                                     |                                                              |                      |          |             |
|    | Manual Override Crank Assembly                               | SKB/SKC              | 1        | 426855108   |
|                                                                                     |                                                              | SKD                  | 1        | 426855048   |
|                                                                                     |                                                              |                      |          |             |
|    | Stem Heater                                                  | Flowrite             | 1        | ASZ6.6      |
|    | Stroke Inverter<br>1/2" - 2.5" valves with .75" max. stroke. | SKD                  | 1        | ASK50       |
|                                                                                     |                                                              | SKB                  | 1        | ASK51       |
|                                                                                     |                                                              |                      |          |             |
|   | Retainer Clamp Kit                                           | SKB/C                | 1        | 599-10200   |
|                                                                                     |                                                              | 8 & 12" pneu         | 1        | 599-00436   |
|                                                                                     |                                                              |                      |          |             |
| Butterfly Valves                                                                    |                                                              |                      |          |             |
|  | 120V Servo NXT 600 to 6.5K lb-in                             | Industrial Actuators | 1        | 599-10097LT |
|                                                                                     | 120V Servo NXT 13K and 18K lb-in                             |                      | 1        | 599-10097HT |
|                                                                                     | 24V Servo NXT 600 to 5K lb-in                                |                      | 1        | 599-10098   |



|                                                                                     | Description                                                                                     | Product Group       | Quantity | Part No. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------|----------|----------|
| <b>Magnetic Valves</b>                                                              |                                                                                                 |                     |          |          |
|    | Control Signal Module w/ Feedback, 3-4"                                                         | M3P_FY              | 1        | ZM250    |
|                                                                                     | <b>Blanking Flange</b>                                                                          | M3P                 |          |          |
|                                                                                     | • 3"                                                                                            |                     | 1        | Z155/80  |
|                                                                                     | • 4"                                                                                            |                     | 1        | Z155/100 |
|    | Replacement Circuit Board                                                                       | MVF461H/<br>MXG461B | 1        | ASE12    |
|   | <b>Repair Module</b>                                                                            |                     |          |          |
|                                                                                     | • 1/2" to 1-1/4"                                                                                | MXG461              | 1        | ASE1     |
|                                                                                     | • 1-1/2" to 2-1/2"                                                                              | MXG461/<br>MXF461   | 1        | ASE2     |
|  | Phase Cut to 0 to 10 Vdc<br>Signal Converter                                                    | MX../M3P/MV..       | 1        | SEZ91.6  |
| <b>Refrigeration Valves</b>                                                         |                                                                                                 |                     |          |          |
|  | <b>Terminal Housing</b><br>Converts 0 to 10 Vdc input to 0 to 20 Vdc<br>phase cut output.       |                     |          |          |
|                                                                                     | • up to 40W, IP54 rated housing                                                                 | M3.../M2FP          | 1        | ZM101/A  |
|                                                                                     | <b>Terminal Housing</b><br>Converts 0 to 20 mA/24 Vdc input to<br>0 to 20 Vdc phase cut output. |                     |          |          |
|                                                                                     | • to 40W, IP54 rated housing                                                                    | M3.../M2FP          | 1        | ZM121/A  |
|  | Replacement Electronics                                                                         | MV_661              | 1        | ASR61    |
|  | <b>Valve Insert</b><br>1" (25 mm)                                                               |                     |          |          |
|                                                                                     | • 0.18 Cv (0,16 k <sub>vs</sub> )                                                               | MVS661              | 1        | ASR0.16N |
|                                                                                     | • 0.46 Cv (0,40 k <sub>vs</sub> )                                                               | MVS661              | 1        | ASR0.4N  |
|                                                                                     | • 1.16 Cv (1,0 k <sub>vs</sub> )                                                                | MVS661              | 1        | ASR1.0N  |
|                                                                                     | • 2.89 Cv (2,5 k <sub>vs</sub> )                                                                | MVS661              | 1        | ASR2.5N  |
|                                                                                     | • 7.28 Cv (6,3 k <sub>vs</sub> )                                                                | MVS661              | 1        | ASR6.3N  |

A-321

Valves

## Accessories & Service Kits

| Part No.                       | Valve Size<br>in. (mm) | Valve<br>Action | Actuator<br>Spring Range<br>PSI (kPa) | Nominal<br>Stem Travel<br>in. (mm) | Cv,<br>USgpm | Diaphragm<br>(Pkg. of 5) | Stem<br>Repack Kit<br>(Pkg. of 6) | Rebuild Kit    | Replacement<br>Actuator |
|--------------------------------|------------------------|-----------------|---------------------------------------|------------------------------------|--------------|--------------------------|-----------------------------------|----------------|-------------------------|
| <b>VP 656 Powermite Valves</b> |                        |                 |                                       |                                    |              |                          |                                   |                |                         |
| <b>656-0001</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 2.1          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | <b>656-599</b>          |
| <b>656-0002</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 2.1          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | <b>656-599</b>          |
| <b>656-0003</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 0.9          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | <b>656-830</b>          |
| <b>656-0004</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 0.9          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | <b>656-830</b>          |
| <b>656-0005</b>                | .75 (19)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 4.6          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-762</b> | <b>656-600</b>          |
| <b>656-0009</b>                | .50 (13)               | 3WM             | 10-15 (69-103)                        | .375 (9.5)                         | 2.5          | <b>656-736</b>           | <b>656-601</b>                    | —              | —                       |
| <b>656-0010</b>                | .50 (13)               | 3WM             | 3-8 (21-55)                           | .375 (9.5)                         | 2.5          | <b>656-736</b>           | <b>656-601</b>                    | —              | —                       |
| <b>656-0011</b>                | .50 (13)               | 3WM             | 3-8 (21-55)                           | .375 (9.5)                         | 1.5          | <b>656-736</b>           | <b>656-601</b>                    | —              | —                       |
| <b>656-0012</b>                | .50 (13)               | NC              | 10-15 (69-103)                        | .25 (6.4)                          | 2.1          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-014</b> | —                       |
| <b>656-0013</b>                | .50 (13)               | NC              | 10-15 (69-103)                        | .25 (6.4)                          | 2.7          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-014</b> | —                       |
| <b>656-0015</b>                | .50 (13)               | 3WM             | 10-15 (69-103)                        | .375 (9.5)                         | 3.1          | <b>656-736</b>           | <b>656-601</b>                    | —              | —                       |
| <b>656-0017</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 2.1          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | <b>656-599</b>          |
| <b>656-0018</b>                | .75 (19)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 4.6          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-762</b> | <b>656-600</b>          |
| <b>656-0020</b>                | .50 (13)               | NO              | 5-10 (34-69)                          | .25 (6.4)                          | 2.1          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-761</b> | —                       |
| <b>656-0022</b>                | .75 (19)               | NO              | 5-10 (34-69)                          | .25 (6.4)                          | 4.6          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-762</b> | —                       |
| <b>656-0028</b>                | .50 (13)               | NO              | 3-8 (21-55)                           | .25 (6.4)                          | 0.5          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-768</b> | <b>656-833</b>          |
| <b>656-0029</b>                | .50 (13)               | NO              | 5-10 (34-69)                          | .25 (6.4)                          | 0.5          | <b>656-736</b>           | <b>656-601</b>                    | <b>656-768</b> | <b>656-834</b>          |

**Note:** Actuator with trim includes actuator, rebuild kit and bonnet pre-assembled.

A-322

Valves

| Part No.                      | Valve Size<br>in. (mm) | Valve<br>Action | Actuator<br>Spring Range<br>PSI (kPa) | Nominal<br>Stem Travel<br>in. (mm) | Cv,<br>USgpm | Diaphragm<br>(Pkg. of 5) | Stem<br>Repack Kit<br>(Pkg. of 6) | Actuator<br>with Trim | Replacement<br>Actuator |
|-------------------------------|------------------------|-----------------|---------------------------------------|------------------------------------|--------------|--------------------------|-----------------------------------|-----------------------|-------------------------|
| <b>VP 658 Powertop Valves</b> |                        |                 |                                       |                                    |              |                          |                                   |                       |                         |
| 658-0001                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-067                 |
| 658-0002                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-067                 |
| 658-0004                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-067                 |
| 658-0005                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-067                 |
| 658-0007                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-067                 |
| 658-0008                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-067                 |
| 658-0009                      | .75 (19)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | 658-071               | 658-067                 |
| 658-0010                      | .75 (19)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | 658-071               | 658-067                 |
| 658-0011                      | 1 (25)                 | NO              | 2-6 (14-41)                           | .50 (13)                           | 10           | 658-166                  | 658-167                           | 658-072               | 658-067                 |
| 658-0012                      | 1 (25)                 | NO              | 2-6 (14-41)                           | .50 (13)                           | 10           | 658-166                  | 658-167                           | 658-072               | 658-067                 |
| 658-0013                      | 1.25 (32)              | NO              | 2-6 (14-41)                           | .50 (13)                           | 16           | 658-166                  | 658-167                           | 658-074               | 658-067                 |
| 658-0014                      | 1.25 (32)              | NO              | 2-6 (14-41)                           | .50 (13)                           | 16           | 658-166                  | 658-167                           | 658-074               | 658-067                 |
| 658-0018                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-067                 |
| 658-0019                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-067                 |
| 658-0020                      | .75 (19)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | 658-071               | 658-067                 |
| 658-0021                      | 1 (25)                 | NO              | 2-6 (14-41)                           | .50 (13)                           | 10           | 658-166                  | 658-167                           | 658-072               | 658-067                 |
| 658-0022                      | 1.25 (32)              | NO              | 2-6 (14-41)                           | .50 (13)                           | 16           | 658-166                  | 658-167                           | 658-074               | 658-067                 |
| 658-0026                      | .50 (13)               | 3WM             | 3-7 (21-48)                           | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | —                     | 658-069                 |
| 658-0027                      | .50 (13)               | 3WM             | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0028                      | .75 (19)               | 3WM             | 3-7 (21-48)                           | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | —                     | 658-069                 |
| 658-0029                      | .75 (19)               | 3WM             | 10-14 (69-97)                         | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0030                      | 1 (25)                 | 3WM             | 3-7 (21-48)                           | .50 (13)                           | 10           | 658-166                  | 658-167                           | —                     | 658-069                 |
| 658-0031                      | 1 (25)                 | 3WM             | 10-14 (69-97)                         | .50 (13)                           | 10           | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0032                      | 1.25 (32)              | 3WM             | 10-14 (69-97)                         | .50 (13)                           | 16           | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0033                      | 1.25 (32)              | 3WM             | 3-7 (21-48)                           | .50 (13)                           | 16           | 658-166                  | 658-167                           | —                     | 658-069                 |
| 658-0040                      | .50 (13)               | NC              | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0041                      | .75 (19)               | NC              | 10-14 (69-97)                         | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0042                      | 1 (25)                 | NC              | 10-14 (69-97)                         | .50 (13)                           | 10           | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0043                      | .50 (13)               | NC              | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0050                      | .50 (13)               | SEQ             | 2-11 (14-76)                          | .406 (10)                          | 1.5          | 658-166                  | 658-167                           | —                     | 658-066                 |
| 658-0051                      | .50 (13)               | SEQ             | 2-11 (14-76)                          | .406 (10)                          | 2.5          | 658-166                  | 658-167                           | —                     | 658-066                 |
| 658-0052                      | .50 (13)               | CHG             | 2-11 (14-76)                          | .406 (10)                          | 2.5          | 658-166                  | 658-167                           | —                     | 658-066                 |
| 658-0060                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0061                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-068                 |
| 658-0062                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0063                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-068                 |
| 658-0064                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0065                      | .50 (13)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 2.5          | 658-166                  | 658-167                           | 658-070               | 658-068                 |
| 658-0066                      | .75 (19)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | 658-071               | 658-068                 |
| 658-0067                      | .75 (19)               | NO              | 10-14 (69-97)                         | .50 (13)                           | 6.3          | 658-166                  | 658-167                           | 658-072               | 658-068                 |
| 658-0068                      | 1 (25)                 | NO              | 10-14 (69-97)                         | .50 (13)                           | 10           | 658-166                  | 658-167                           | 658-072               | 658-068                 |
| 658-0069                      | 1 (25)                 | NO              | 10-14 (69-97)                         | .50 (13)                           | 10           | 658-166                  | 658-167                           | 658-072               | 658-068                 |
| 658-0070                      | 1.25 (32)              | NO              | 10-14 (69-97)                         | .50 (13)                           | 16           | 658-166                  | 658-167                           | 658-074               | 658-068                 |
| 658-0071                      | 1.25 (32)              | NO              | 10-14 (69-97)                         | .50 (13)                           | 16           | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0085                      | .50 (13)               | NC              | 10-14 (69-97)                         | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0086                      | .50 (13)               | NC              | 10-14 (69-97)                         | .50 (13)                           | 1.0          | 658-166                  | 658-167                           | —                     | 658-068                 |
| 658-0100                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 0.5          | 658-166                  | 658-167                           | —                     | 658-067                 |
| 658-0101                      | .50 (13)               | NO              | 2-6 (14-41)                           | .50 (13)                           | 0.5          | 658-166                  | 658-167                           | —                     | 658-067                 |

A-323

Valves



Siemens offers a 5-year warranty on damper actuators.

A-324



# Built for long-lasting performance

Our actuator series provides more torque sizes to meet all of your needs. With over 40 years of innovating control actuators, Siemens is a recognized global leader in HVAC damper actuators. Energy efficient, robust, flexible, and reliable — save time and costs with Siemens actuators.

Visit [usa.siemens.com/damperactuators](https://usa.siemens.com/damperactuators) to learn more.



**40+ Years**  
Innovating control actuators



**25%**  
Lower power consumption



**20%**  
More torque than the competition



**100%**  
Factory tested



**1.5+ Million**  
Reposition operations for longer life



**60+ Thousand**  
Full strokes at rated torque and temperature

# SIEMENS