

Resilient Seat Butterfly Valves



A-287

Valves

Resilient Seat Butterfly Valves are now available in sizes up to 24 inches. Excellent for isolation applications, two-way and three-way Butterfly Valves provide 2-position (On/Off), floating and modulating control. Three-way Butterfly Valves are available in a variety of configurations.

					Commercial Actuators		Industrial Actuators			
					Spring Return	Non-Spring Return	Non-Spring Return			
Size inches	Full Cut	Under Cut	Disc Matrial	Resilient Seat Material	GCA	GIB	A-Series			
							Low Torque	Medium Torque	High Torque	
2	175	N/A	316 Stainless Steel	High Purity, Peroxide Cured, High Temp EPDM	●	●	●			
2 1/2	175				●	●	●			
3	175				●	●	●			
4	175				●	●	●			
5	175	50 PSI			●	●				
6	175				●			●		
8	175							●		
10	175							●		
12	175							●		
14	150							●		
16	150						●			
18	150						●			
20	150									●
24	150				Electroless Nickel Plated Ductile Iron					



Siemens offers a 5-year warranty on valves and actuators.



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A more durable butterfly valve design that lasts even longer

At Siemens, we continuously challenge ourselves to improve butterfly valves to exceed hydronic system demands with improved performance, efficiency, and value. So we set our sights on designing the best version of the most widely used butterfly valve type to be more durable and last even longer — delivering better value and improved comfort.

Visit usa.siemens.com/valves to learn more.



75+ Years
Innovating
control valves



Quality
Siemens standards



Better Value
Product lasts
even longer



100%
Factory tested



Up to 5 Million
Repositions
for longer life



Up to 100 Thousand
Full strokes

SIEMENS

Two- and Three-Way Resilient Seat Valve Assemblies



Two-Way Butterfly Valve with industrial actuator



Three-Way Butterfly Valve with industrial actuator



Two-Way Butterfly Valve with commercial actuator

A-289

Description

Available in two-way and three-way arrangements for two-position (On/Off), floating and modulating control, Resilient Seat Butterfly Valve Assemblies provide bubble-tight shutoff for the assemblies' full-rated pressure.

Features

- Molded-in resilient seat provides bubble-tight shutoff up to 175 PSI (Full cut disc) and 50 PSI (under cut disc)
- Suitable for standard temperature (intermittent 250°F) or high temperature applications (continuous 250°F).
- High purity, peroxide cured, high temperature EPDM seats to ensure continuous operation at 250°F (121°C)
- Round, polished disc and hub edge provides 360 degree concentric seating, minimum flow restriction, lower torques and longer seat life
- Thru-stem design provides high strength and positive disc control with standardized end connection for operator interchangeability
- Internal disc-to-stem connection to eliminate leakage through the stem
- Extended neck allows adequate clearance for flanges and insulation
- Heavy-duty corrosion resistant top bushing, absorbs actuator side thrust
- Cast-in top plate is an integral part of the body and is standardized to allow direct mounting of actuators
- Each valve and actuator is 100% tested in the factory
- Available in multiple configurations to match jobsite needs.

Applications

Butterfly Valve assemblies provide excellent flow control of low pressure steam, hot water, chilled water, condenser water, and thermal storage systems applications. Siemens butterfly valve assemblies are not suitable for dead end service and must be used with upstream and downstream piping.

Specifications

Valve Size	2 to 24" (50 to 610 mm)
Body Style	Butterfly
Assembly Type	2-Way/3-Way
Materials	
Sizes 2 to 12"	
Body	ASTM A126 Class B Cast Iron
Disc	316 Stainless Steel
Stem	416 Stainless Steel
Seat	High purity, peroxide-cured, high temperature EPDM
Bearing	Heavy Duty Acetal
Packing	NBR
Sizes 14 to 24"	
Body	ASTM A126 Class B Cast Iron
Disc	Electroless Nickel Plated Ductile Iron
Stem	416 Stainless Steel
Seat	High purity, peroxide-cured, high temperature EPDM
Bearing	Heavy Duty Acetal
Packing	NBR
Controlled Medium	Hot water, chilled water, condenser water up to 50% Glycol
Temperatures	-20°F to continuous 250°F (-28°C to 121°C)
Close-off Ratings	175 PSI 2" to 12" full cut disc 150 PSI 14" to 24" full cut disc 50 PSI 2"-24" under cut disc

Valves

Part Number Configuration

Use the product numbers in the following table to order a valve or a valve and actuator assembly. The valve product number consists of the type, action, valve size, disc type, and valve configuration.

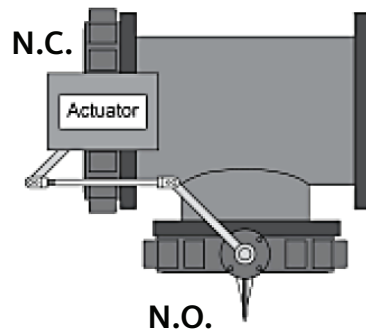
To order an assembly, add a (-) after the valve product number and then choose the application, actuator, voltage, control signal, end switches followed by a separator (.) and the actuator torque.

A-290	Valves		B	2	02	F	C	-	S	A	1	2	6	.	530
		Valve Type													
		Butterfly													
		Action													
		2 2-Way													
		3 3-Way													
		Valve Size													
		02=2", 25=2.5", 03=3", 04=4", 05=5", 06=6", 08=8", 10=10", 12=12", 14=14", 16=16", 18=18", 20=20", 24=24"													
		Disc Type													
		F Full Cut													
		U Under Cut													
		Valve Configuration													
		3-Way A, B, C, D													
		2-Way O = Normally Open													
		C = Normally Closed													
		M = Valve assembly with manual operator													
		Denotes Assembly													
		Application													
		S Standard Temperature – Intermittent 250°F Operation													
		H High Temperature – Continuous 250°F Operation													
		Blank Siemens Commercial Actuator													
		Actuator													
		A Industrial Actuator													
		GCA Siemens SR Commercial Actuator													
		GIB Siemens NSR Commercial Actuator													
		Voltage													
		1 24V													
		2 120V													
		Control Signal													
		2 2-Position													
		3 Floating (Commercial Actuators only)													
		6 Modulating (0-10V)													
		End Switches													
		1 No Switches													
		6 Switches													
		Separator													
		Industrial Actuator Torque (lb-in)													
		530=530, 600=600, 1K=1200, 2K=2000, 3K=3000, 5K=5000, 6K=6500, 13K=13000, 18K=18000, 21K=21300, 41K=40680, 3U = Shaft adapter with 3-foot cable (Commercial Actuators only)													

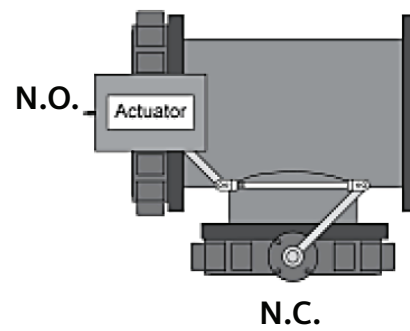
Three-Way Butterfly Valve Configurations

Standard configurations

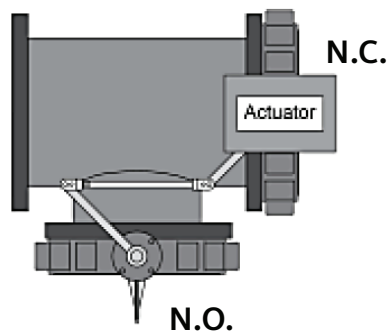
Configuration A



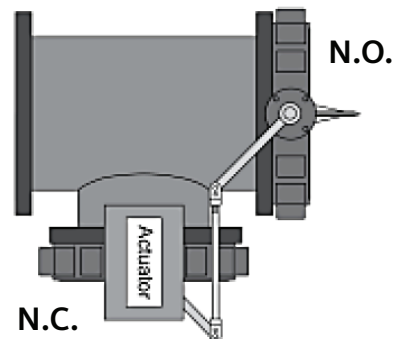
Configuration B



Configuration C



Configuration D



A-291

Valves

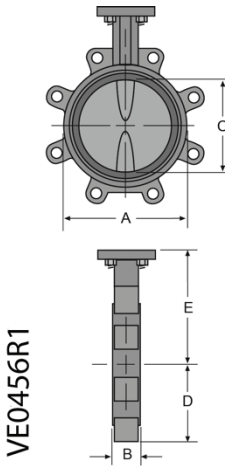
Dimensions – 2-Way Commercial Electric Actuators

2-Way, 2" to 8", Resilient Seat Butterfly Valves

Size		CVs							Lug Bolting Data			Weight ¹	
In.	mm	90°	60°	A	B	C	D	E	BC	Holes	Threads	lbs.	kg
2	50	144	61	3.69	1.62	2	2.3	5.5	4.75	4	5/8"-11	7	3.12
2.5	65	282	107	4.19	1.75	2.5	2.57	6	5.5	4	5/8"-11	8	3.63
3	80	461	154	4.88	1.75	3	2.81	6.25	6	4	5/8"-11	9	4.08
4	100	841	274	6.06	2	4	4.09	7	7.5	8	5/8"-11	15	6.8
5	125	1376	428	7.06	2.12	5	4.61	7.5	8.5	8	3/4"-10	20	9.07
6	150	1850	567	8.12	2.12	5.75	5.06	8	9.5	8	3/4"-10	23	10.43
8	200	3316	1081	10.5	2.5	7.75	6.05	9.56	11.75	8	3/4"-10	42	19.05

Table Notes:

1. Weights are for valve bodies only.

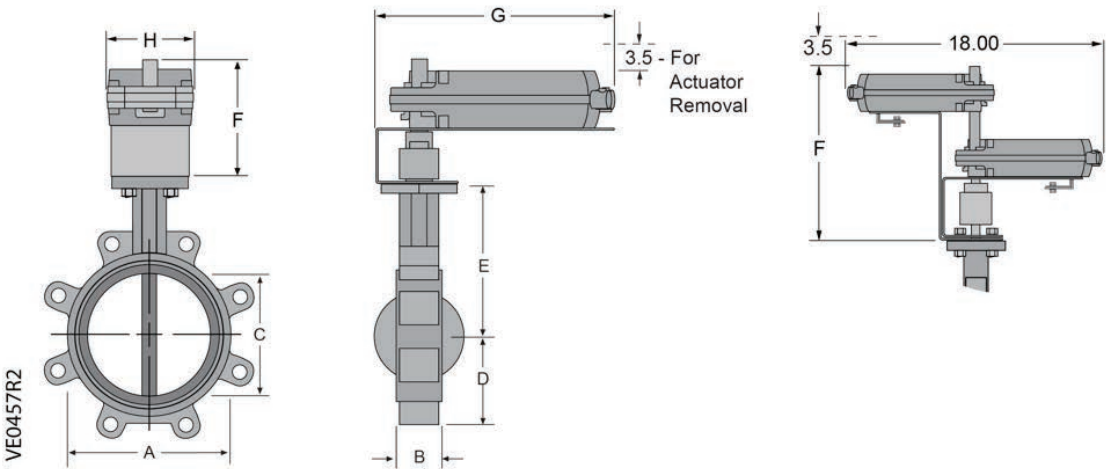


Commercial Actuators

Model No.	F	G	H	Weight ¹	
				lbs.	kg
GIB	7.43	10.96	3.95	4.4	2
GCA	7.43	10.96	3.95	4.9	2.2
Dual Actuator	11.75	18	4	12.8	5.8

Table Notes:

1. Largest actuator dimension shown.



Dimensions – 3-Way Commercial Electric Actuators

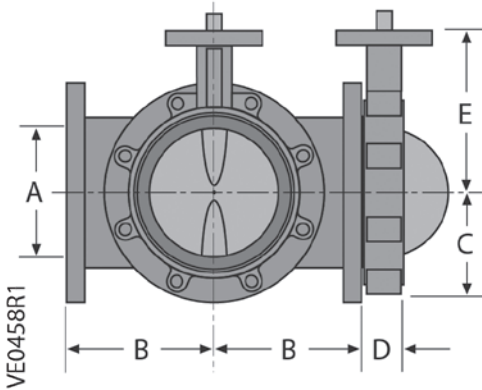
3-Way, 2" to 6", Resilient Seat Butterfly Valves

Size		CVs							Lug Bolting Data		
In.	mm	90°	60°	A	B	C	D	E	BC	Holes	Threads
2	50	144	61	2	4.5	2.3	1.62	5.5	4.75	4	5/8"-11
2.5	65	282	107	2.5	5	2.57	1.8	6	5.5	4	5/8"-11
3	80	461	154	3	5.5	2.81	1.8	6.25	6	4	5/8"-11
4	100	841	274	4	6.5	4.09	2	7	7.5	8	5/8"-11
5	125	1376	428	5	7.5	4.61	2.12	7.5	8.5	8	3/4"-10
6	150	1850	567	6	8	5.06	2.12	8	9.5	8	3/4"-10

Table Notes:
 1. Weights are for valve bodies only.

3-Way Tee Weights

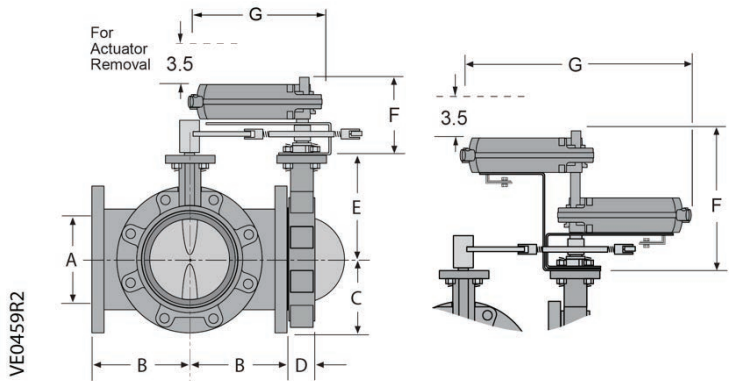
Size		Weight ¹	
In.	mm	lbs.	kg
2	50	19	8.6
2.5	65	27	12.2
3	80	39	17.7
4	100	62	28.1
5	125	79	35.8
6	150	96	43.5
8	200	155	70.3
10	250	270	122.5
12	300	380	172.4
14	350	435	197.3
16	400	550	249.5
18	450	665	301.6
20	500	855	387.8
24	609	1330	603.3



Commercial Actuators

Model No.			Weight ¹	
	F	G	lbs.	kg
GIB	7.43	10.96	4.4	2
GCA	7.43	10.96	4.9	2.2
Dual Actuator	11.75	18	12.8	5.8

Table Notes:
 1. Largest actuator dimension shown.



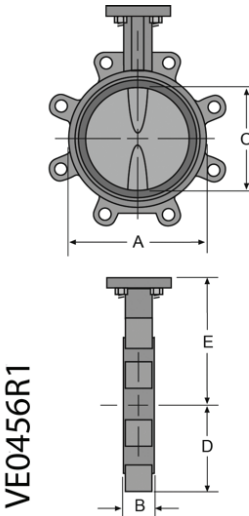
Dimensions – 2-Way, Industrial Actuators

2-Way, 2" to 24", Resilient Seat Butterfly Valves

Size		CVs							Lug Bolting Data			Weight ¹	
In.	mm	90°	60°	A	B	C	D	E	BC	Holes	Threads	lbs.	kg
2	50	144	61	3.69	1.62	2	2.3	5.5	4.75	4	5/8"-11	7	3.12
2.5	65	282	107	4.19	1.75	2.5	2.57	6	5.5	4	5/8"-11	8	3.63
3	80	461	154	4.88	1.75	3	2.81	6.25	6	4	5/8"-11	9	4.08
4	100	841	274	6.06	2	4	4.09	7	7.5	8	5/8"-11	15	6.8
5	125	1376	428	7.06	2.12	5	4.61	7.5	8.5	8	3/4"-10	20	9.07
6	150	1850	567	8.12	2.12	5.75	5.06	8	9.5	8	3/4"-10	23	10.43
8	200	3316	1081	10.5	2.5	7.75	6.05	9.56	11.75	8	3/4"-10	42	19.05
10	250	5430	1710	12.75	2.5	9.75	7.69	10.75	14.25	12	7/8"-9	66	29.94
12	300	8077	2563	14.88	3	11.75	9.02	12.25	17	12	7/8"-9	88	39.92
14	350	10538	3384	17.05	3	13.25	9.93	13.62	18.75	12	1"-8	114	51.71
16	400	13966	4483	19.21	4	15.25	11.3	14.75	21.25	16	1"-8	166	75.3
18	450	17214	5736	21.12	4.25	17.25	12.16	16	22.75	16	1-1/8"-7	226	102.51
20	500	22339	7144	23.25	5	19.25	14	17.25	25	20	1-1/8"-7	305	138.35
24	600	33154	11040	33	5.94	23.28	17.56	19.5	29.5	4	1-1/4"-7	500	226.8

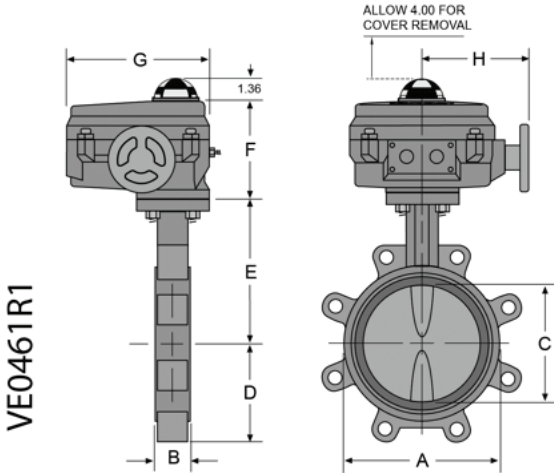
Table Notes:

1. Weights are for valve bodies only.



A-Series Actuators

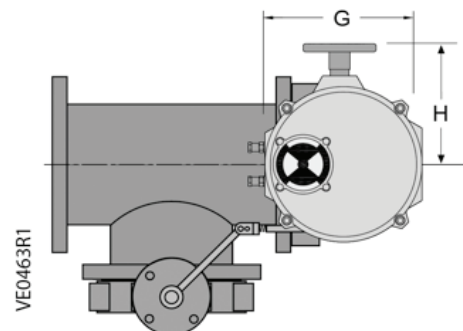
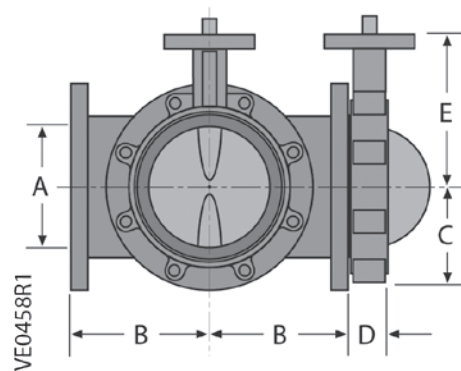
Model No.	F	G	H	Weight lbs.
Axxx.530	6.4	4.8	6.5	10
Axxx.600	5.6	7.5	5.8	13
Axxx.1K/Axxx.2K	6.6	10.1	7.8	28
Axxx.3K/Axxx.5K/Axxx.6K	7.2	12.1	9.5	48
Axxx.13K/Axxx.18K	12.1	18.8	9.5	118
Axxx.21K	12.3	32.1	28.9	195
Axxx.41K	12.3	32.1	28.9	195



Dimensions – 3-Way, Industrial Actuators

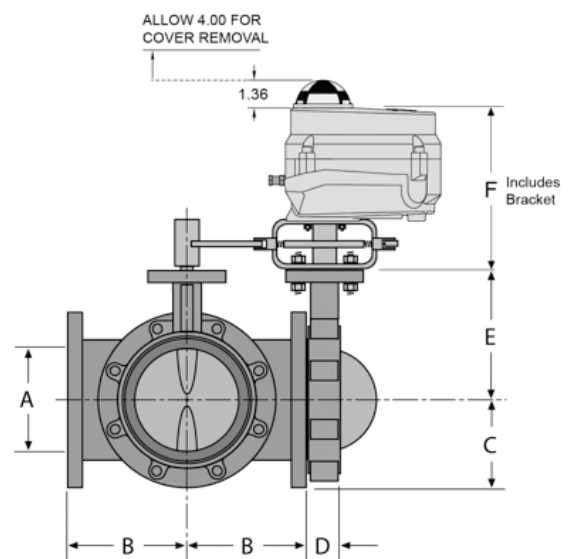
3-Way, 2" to 24", Resilient Seat Butterfly Valves

Size		CVs							Lug Bolting Data		
In.	mm	90°	60°	A	B	C	D	E	BC	Holes	Threads
2	50	144	61	2	4.5	2.3	1.62	5.5	4.75	4	5/8"-11
2.5	65	282	107	2.5	5	2.57	1.8	6	5.5	4	5/8"-11
3	80	461	154	3	5.5	2.81	1.8	6.25	6	4	5/8"-11
4	100	841	274	4	6.5	4.09	2	7	7.5	8	5/8"-11
5	125	1376	428	5	7.5	4.61	2.12	7.5	8.5	8	3/4"-10
6	150	1850	567	6	8	5.06	2.12	8	9.5	8	3/4"-10
8	200	3316	1081	8	9	6.05	2.5	9.5	11.75	8	3/4"-10
10	250	5430	1710	10	11	7.69	2.5	10.75	14.25	12	7/8"-9
12	300	8077	2563	12	12	9.02	3	12.25	17	12	7/8"-9
14	350	10538	3384	14	14	9.93	3	13.62	18.75	12	1"-8
16	400	13966	4483	16	15	11.3	4	14.75	21.25	15	1"-8
18	450	17214	5736	18	16.5	12.16	4.26	16	22.75	16	1-1/8"-7
20	500	22339	7144	20	18	14	5	17.25	25	20	1-1/8"-7
24	610	3315	11044	24	22	16	5.94	19.5	29.5	20	1-1/4"-7



A-Series Actuators

Model No.	F	G	H	Weight lbs.
Axxx.530	9.4	8.0	6.5	10
Axxx.600	8.6	7.5	5.8	12
Axxx.1K/Axxx.2K	10.73	10.1	7.8	28
Axxx.3K	11.33	12.1	3.5	48
Axxx.5K	13.2	12.1	9.5	48
Axxx.6K	13.2	12.1	9.5	118
Axxx.13K/Axxx.18K	20.5	12.1	9.5	118
Axxx.21K	22.3	32.1	28.9	195
Axxx.41K	22.3	32.1	28.9	195



A-295

Valves

A-Series Industrial 530 lb-in Electric Actuator

Low Torque



A-Series Industrial Actuator - Low Torque

Description

The A-Series quarter-turn industrial electric actuator features a compact, reliable design that mounts directly to Siemens resilient seat butterfly valves without the need for brackets and linkages. Available with 530 lb-in (60 Nm) torque output, 24V and 120V, Two-position (On/Off) and Modulating control all in NEMA 4x and IP65-rated housings.

Features

- Compact, lightweight design and direct mounting
- High visibility Beacon position indicator
- Manual, declutchable override handwheel
- Terminal blocks with push button clamps for cable terminations
- Servo Controller option for modulating control
- Travel limit cams adjustable by hex key
- CE approved (24V, 120V), and UL-approved (120 Vac only)
- On/off or modulating control
- Available in 120, 24 Vac 50/60 Hz, single-phase, 24 Vdc voltages
- Output torque 530 lb-in (60 Nm)
- ISO 5211 for direct mounting
- All actuators include a heater to prevent condensation build-up
- All modulating units include a feedback potentiometer

Applications

These actuators are ideal for use on valves for chillers, cooling towers, boilers, heat exchangers and other outdoor applications. The actuators' advanced electronics assure reliable compatibility with virtually any analog control signal used in today's building automation and temperature control systems.

Operating Conditions

Ambient Temperature -20 to 122°F (-29° to 50°C)
 Fail Position Loss of supply power - fail-in-place
 Motor Insulation
 120 Vac: Class B, 266°F (130°C) impedance protected
 24 Vac/dc: Class B, 266°F (130°C)
 Slow Blow Fuse 5A @ 250 Vac (Servo Controller modulating models only)

Power Requirements

..120 Vac 50/60 Hz +/- 10%
24 Vac 50/60 Hz +/- 10%
24 Vdc -10%, +30%
Fuse: 5A Slow Blow

Input Signal

Control Signal..... 4 to 20 mA, 0 to 10 Vdc, 0 to 5 Vdc, 2 to 10 Vdc
Input Impedance..... >10 Meg Ohms (0 to 10V, 2 to 10V, 0 to 5V
200 Ohms (4 to 20 mA)

Output Signal

Operating Modes.....4 to 20 mA, 0 to 10 Vdc, 0 to 5 Vdc
Output Impedance.....<1 Mega Ohm (0 to 5 Vdc, output, 0 to 10V output)
200 Ohms (4 to 20 mA)
Loop Voltage.....12 Vdc

Resolution

Absolute Position Accuracy.....	<1.5%
Dead Band.....	3%

Potentiometer Feedback Signal

Supply Voltage..... 3.3 Vdc
External Feedback Potentiometer10K Ohms

Operating Mode

Normal Mode	Modulating – follow setpoint
Loss of Control Signal	Fail-in-place
Loss of Supply Power	Fail-in-place
Autocalibration	Automatic endpoint detection
Manual Operation	Hand wheel

Overload Protection

Environmental

Ambient Temperature Fuse
Compliance..... 120V units comply with UL, cUL, and CSA.
All models are CE certified.

Product Ordering

Product Number	Operating Mode	Voltage 50/60 Hz	Torque		90° Stroke Time*	Current Draw (Amps)	
			(lb-in)	(Nm)		Full Load	Locked Rotor
A126.530	On/Off	24 Vac/dc	530	60	31 sec. AC / 40 sec. DC	1.00	1.70
A166.530	Modulating	24 Vac	530	60	60 sec.	1.00	1.70
A226.530	On/Off	120 Vac	530	60	31 sec.	0.20	0.34
A266.530	Modulating	120 Vac	530	60	31 sec.	0.20	0.34

* Operating times shown are with 60 Hz power supply. Actuators with 50 Hz power supply will be 20% slower.

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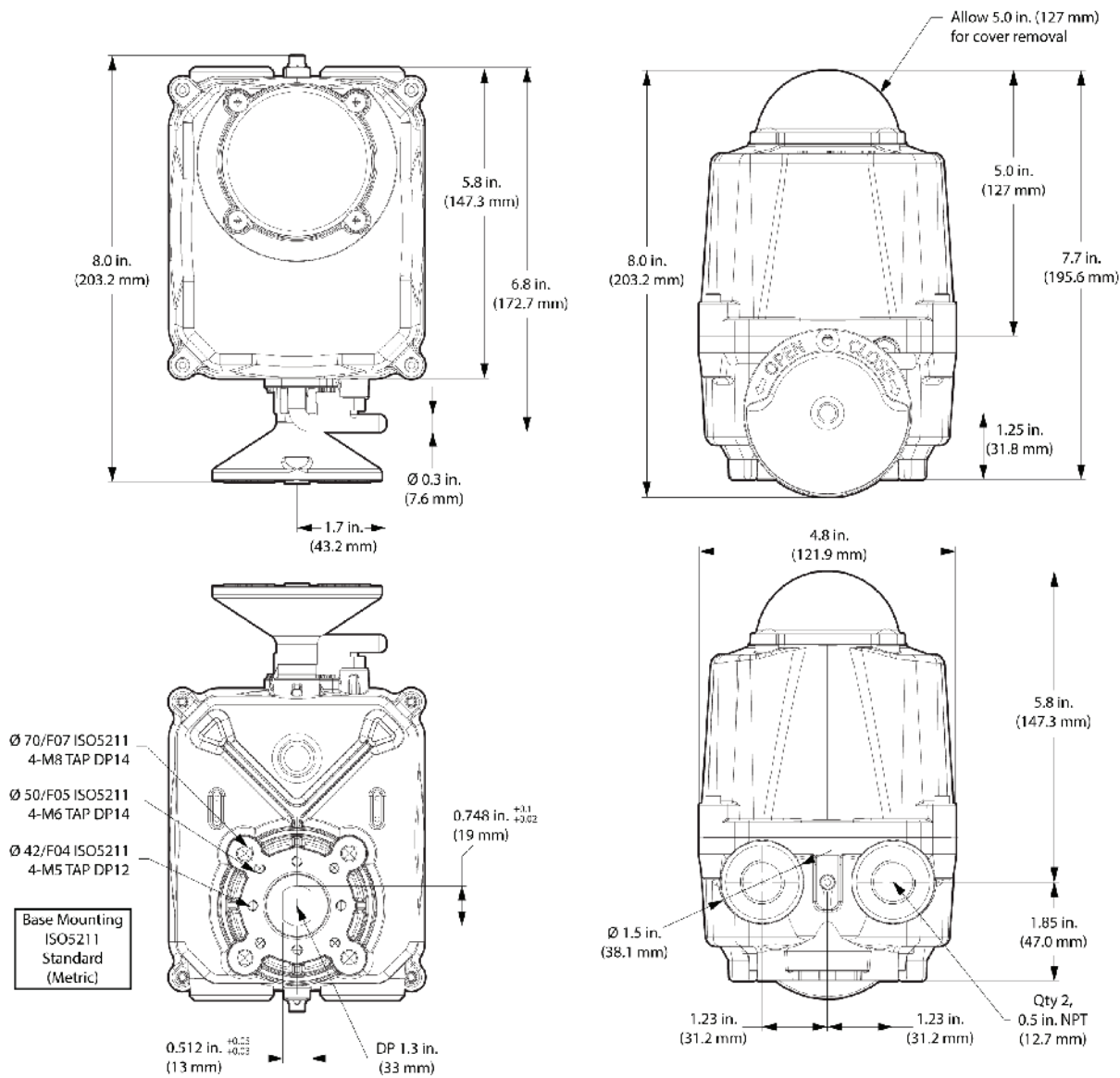


Figure 5. Model Axx6.530 Dimensions in inches (mm)

A-Series Industrial Electric Actuator

Medium Torque



A-Series Industrial Actuator - Medium Torque

A-299

Valves

Description

The A-Series quarter-turn industrial electric actuator features a compact, reliable design that mounts directly to Siemens resilient seat butterfly valves without the need for brackets and linkages. Available in torque outputs from 600 to 18,000 lb-in (68 to 2,033 Nm), 24V and 120 Vac, Two-position (On/Off) and Modulating units all in NEMA 4x and IP65-rated housings.

Applications

These actuators are ideal for use on valves for chillers, cooling towers, boilers, heat exchangers and other outdoor applications. The actuators' advanced electronics assure reliable compatibility with virtually any analog control signal used in today's building automation and temperature control systems.

Features

- Compact, lightweight design and direct mounting
- High visibility Beacon position indicator
- Manual, declutchable override handwheel
- Terminal strip for cable terminations
- Servo NXT option for modulating control
- Travel limit cams adjustable by hand or screwdriver
- UL-approved (120 Vac only)
- On/off or modulating control
- Available in 120, 24 Vac 50/60 Hz, single-phase, 24 Vdc voltages
- Output torque 600 lb-in (68 Nm) to 18,000 lb-in (2,033 Nm)
- ISO 5211 for direct mounting
- All actuators include a heater to prevent condensation build-up
- All modulating units include a feedback potentiometer



Siemens offers a
5-year warranty
on all valves.

Specifications

Operating Conditions

Ambient Temperature -20°F to 150°F (-29°C to 65°C)
 Fail Position Loss of supply power - fail-in-place
 Motor Insulation
 120 Vac: Class F, 311°F (155°C) thermal trip at 275°F (135°C)
 24 Vac/dc: Class B, Slow Blow Fuse 5A @ 250 Vac

Power Requirements 120 Vac 50/60 Hz +/- 10%
 24 Vac 50/60 Hz +/- 10% 24 Vdc -10%
 +30% 5 VA average (no load)
 Fuse: 5A Slow Blow 5 mm x 20 mm

Input Signal

Control Signal 4 to 20 mA, 0 to 10 Vdc, 0 to 5 Vdc, 2 to 10 Vdc
 Input Impedance >100 Meg Ohms (0 to 10V, 2 to 10V, 0 to 5V)

Output Signal

Operating Modes 4 to 20 mA, 0 to 10 Vdc, 0 to 5 Vdc
 Output Impedance <10 Ohms (0 to 5 Vdc, output, 0 to 10 V output)
 200 Ohms (4 to 20 mA output mode)
 Loop Voltage 12 Vdc (4 to 20 mA output mode)

Resolution

Absolute Position Accuracy <1%
 Dead Band Adjustment 1% (+/- 0.5%) to 6% (+/-3%) (3% default)
 1% minimum increment

Potentiometer Feedback Signal

Supply Voltage 3.3 Vdc
 External Feedback Potentiometer 1K to 10K Ohms

Speed Control

Open/Close Speed 0% to 100% (default). Step size: 20%.
 Actuator open/close speed as a percentage of full speed.
 (See motor speed specification for maximum 90° run times.)

Operating Mode

Normal Mode Modulating – follow setpoint
 Loss of Control Signal Selectable to Open, Close, or Last
 Loss of Supply Power Fail-in-place
 Reverse Acting Mode Configurable for inverted input signal
 Autocalibration Automatic endpoint detection
 Manual Operation Keypad electrical manual operation of actuator
 (Open, Stop, Close)

Torque Protection

Stall Detection Motor detected stationary >2 seconds
 (600 to 6500 lb-in units only)
 Torque Limit (Optional) externally connected Open/Close
 torque limit switch
 Electronic Torque Limit (Optional) factory-programmable
 current/torque limit switch

Environmental

Ambient Temperature -20°F to 150°F (-29°C to 65°C)
 Compliance 120V units comply with UL, cUL, and CSA.
 All models are CE certified.

A-300

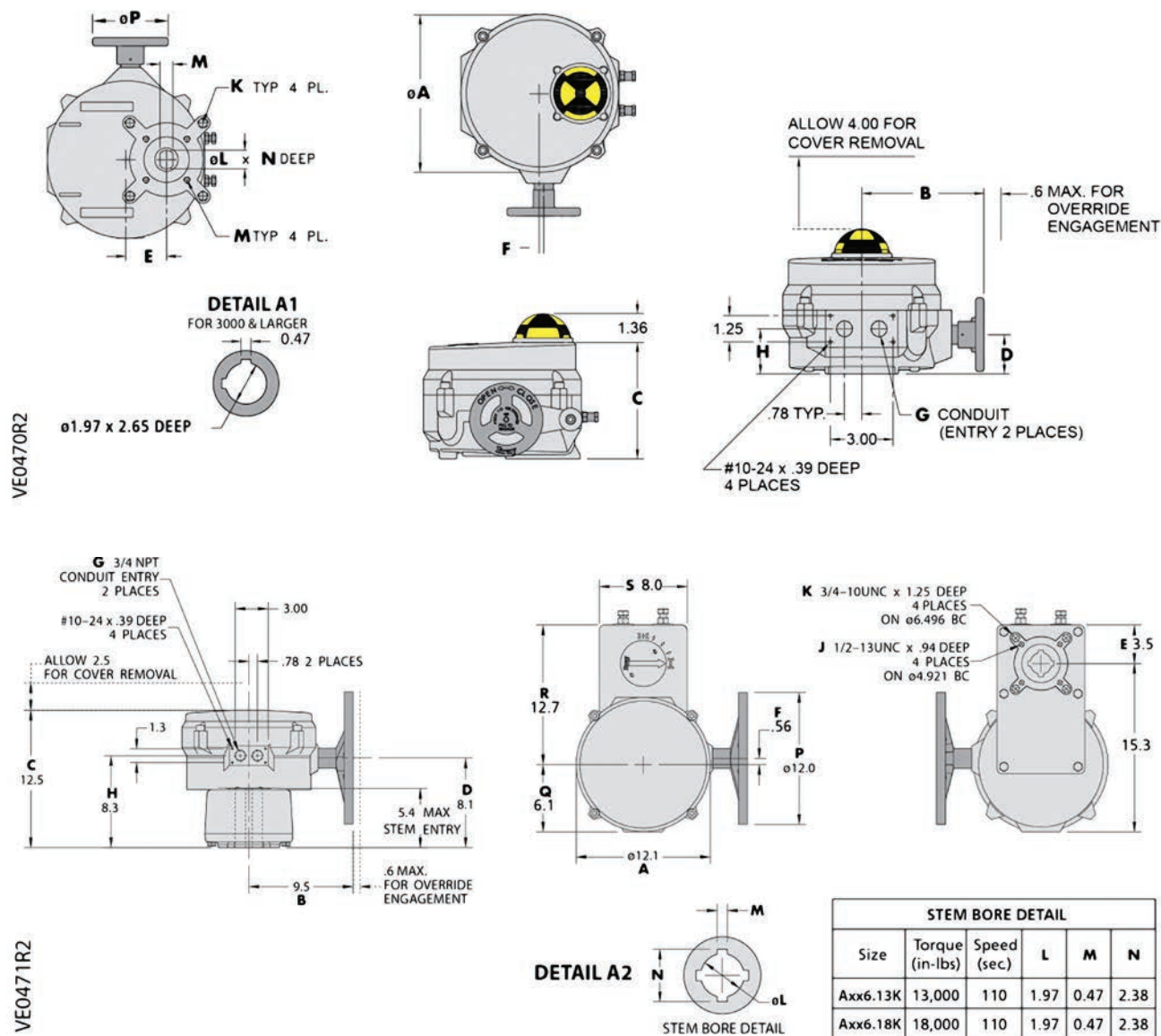
Valves

Product Ordering

Product Number	Operating Mode	Voltage 50/60 Hz	Torque		90° Stroke Time*	Current Draw (Amps)	
			(lb-in)	(Nm)		Full Load	Locked Rotor
A126.600	On/Off	24 Vac/dc	600	68	60 sec. AC 40 sec. DC	1.80	—
A126.2K			2,000	226	60 sec.	2.00	—
A126.5K			5,000	565	60 sec.	3.00	—
A166.600	Modulating	24 Vac	600	68	60 sec.	1.80	—
A166.2K			2,000	226	60 sec.	2.00	—
A166.5K			5,000	565	60 sec.	3.00	—
A226.600	On/Off	120 Vac	600	68	30 sec.	0.80	1.00
A226.1K			1,200	135	30 sec.	0.78	2.10
A226.2K			2,000	226	30 sec.	1.00	2.10
A226.3K			3,000	339	30 sec.	1.20	3.00
A226.5K			5,000	565	30 sec.	1.60	3.00
A226.6K			6,500	734	30 sec.	2.30	3.10
A226.13K			13,000	1,470	110 sec.	2.30	3.10
A226.18K			18,000	2,034	110 sec.	2.50	3.10
A266.600	Modulating	120 Vac	600	68	30 sec.	0.80	1.00
A266.1K			1,200	135	30 sec.	0.78	2.10
A266.2K			2,000	226	30 sec.	1.00	2.10
A266.3K			3,000	339	30 sec.	1.20	3.00
A266.5K			5,000	565	30 sec.	1.60	3.00
A266.6K			6,500	734	30 sec.	2.30	3.10
A266.13K			13,000	1,470	110 sec.	2.30	3.10
A266.18K			18,000	2,034	110 sec.	2.50	3.10

* Operating times shown are with 60 Hz power supply. Actuators with 50 Hz power supply will be 20% slower.

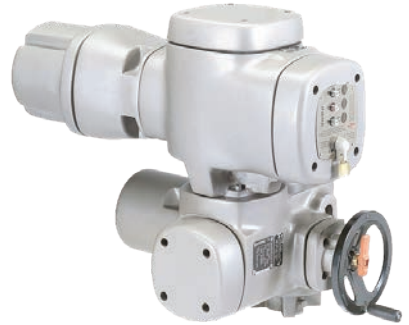
Dimensions



Actuator Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	Wt lb kgs
Axx6.600	7.5 (191)	5.8 (147)	5.6 (141)	1 (48)	1.94 (49.2)	.19 (4.7)	1/2	2.2 (55)	5/16-18 $\times \phi 2.76$ (F07)	—	L75 (19)	.51 (31)	1.75 (44.5)	3.5 (89)	—	—	—	13 (6)
Axx6.1K Axx6.2K	10.1 (256)	7.8 (198)	6.6 (168)	2.4 (62)	2.69 (68.3)	.56 (14.3)	3/4	2.6 (66)	5/16-18 $\times \phi 2.76$ (F07)	1/2-13 $\times \phi 4.92$ (F12)	1.18 (30)	.87 (22)	2.22 (56.3)	8.0 (203)	8.0 (203)	8.0 (203)	8.0 (203)	28 (13)
Axx6.3K Axx6.5K Axx6.6K	12.1 (308)	9.5 (242)	7.2 (183)	2.9 (73)	3.19 (80.9)	.56 (14.3)	3/4	3.1 (78)	1/2-13 $\times \phi 4.92$ (F12)	3/4-10 $\times \phi 6.50$ (F16)	See Detail A1			12 (304.8)	—	—	—	48 (22)
Axx6.13K Axx6.18K	12.1 (308)	9.5 (242)	12.5 (317)	8.1 (206)	9.2 (234)	.56 (14.2)	3/4	8.3 (211)	1/2-13 $\times \phi 4.92$ (F12)	3/4-10 $\times \phi 6.50$ (F16)	See Detail A1			12 (305)	6.1 (155)	12.7 (323)	8 (203)	118 (54)

A-Series Industrial Electric Actuator (AUMA)

High Torque



A-Series Industrial Actuator High Torque

A-302

Valves

Description

A-Series Industrial Electric AUMA actuators provide precise, durable control of quarter turn Siemens resilient seat butterfly valves. The compact industrial housing is rated to NEMA 6P (IP 68) standards for outdoor use. All models include integrated controls and a manual override handwheel.

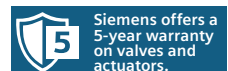
The standard AUMA models are 120V single phase. All AUMA actuators include six auxiliary switches, torque switches, a position indicator and a heater. Modulating units provide position feedback as standard.

Features

- Compact, lightweight design and direct mounting
- Manual, declutchable override handwheel
- Position and motion indicator lights
- Push button controls
- CE certified
- On/off or modulating control
- Output torque 21,300 lb-in (2,407 Nm) to 40,680 lb-in 4,596 Nm)
- ISO 5210 for direct mounting
- All actuators include a heater to prevent condensation build-up
- All modulating units include a feedback potentiometer

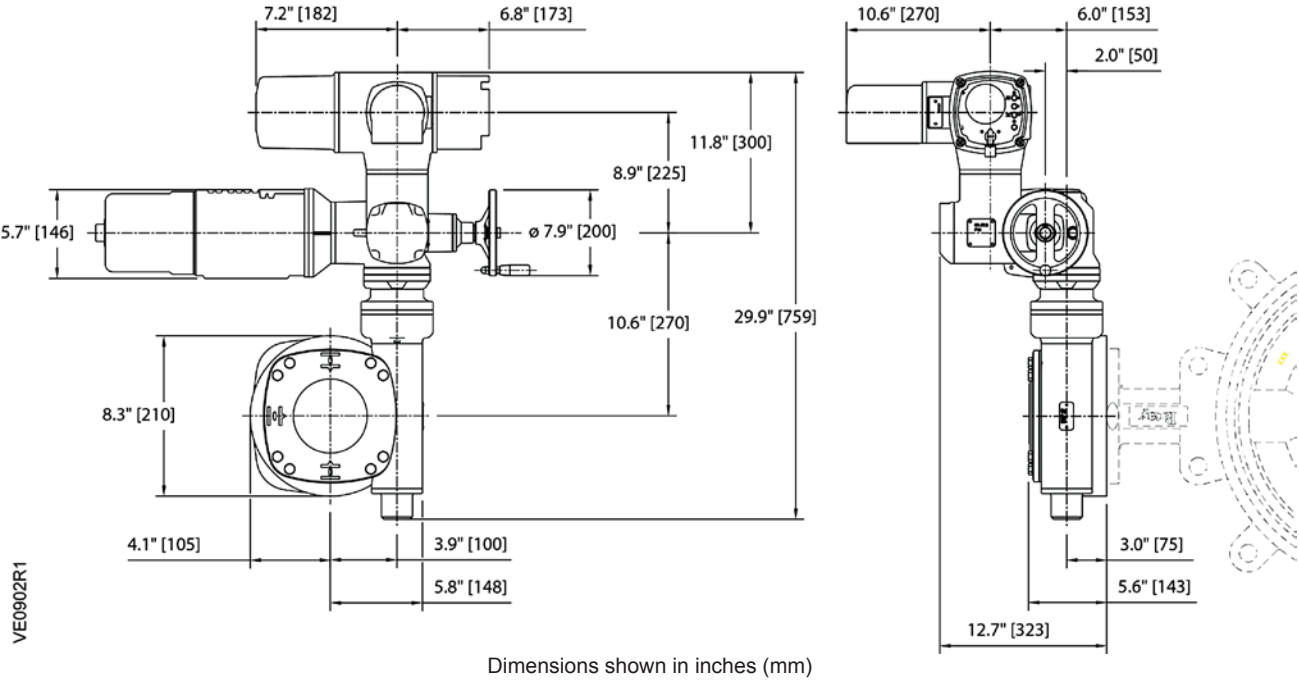
Applications

These actuators are ideal for use on valves for chillers, cooling towers, boilers, heat exchangers and other outdoor applications. The actuators' advanced electronics assure reliable compatibility with virtually any analog control signal used in today's building automation and temperature control systems.



A-303

Model A2x6.21K Actuators



Model A2x6.41K Actuators

