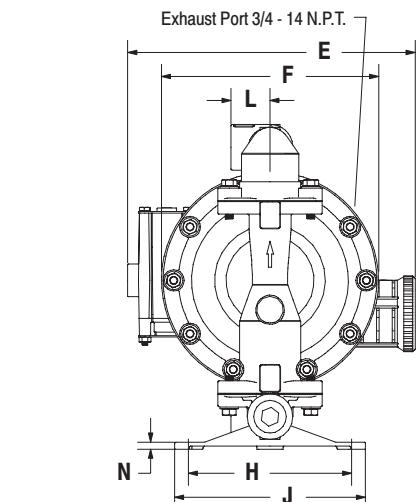
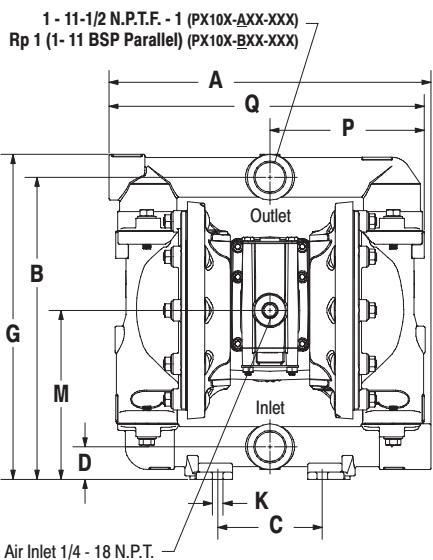


SALES & ENGINEERING DATA

PD10X-XXX-XXX and PE10X-XXX-XXX 1" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 120
RELEASED:	4-13-04
REVISED:	11-22-04
(REV. 03)	S-1305

DIMENSIONAL DATA



DIMENSIONS

A - 12-11/32" (313.2 mm)	F - see below	L - 1-1/2" (38.1 mm)
B - 11-9/16" (293.7 mm)	G - 12-7/16" (315.9 mm)	M - 6-15/32" (164.3 mm)
C - 4" (101.6 mm)	H - 6-1/4" (158.8 mm)	N - see below
D - 1-1/4" (31.8 mm)	J - 7-5/16" (185.7 mm)	P - 5-27/32" (148.2 mm)
E - see below	K - 13/32" (10.3 mm)	Q - 12" (304.8 mm)

	"E"	"F"
PX10A-XXX-XXX	10-15/16" (277.1 mm)	8-1/8" (206.4 mm)
PX10R-XXX-XXX	11-1/32" (279.5 mm)	8-5/16" (211.1 mm)
PX10S-XXX-XXX	10-3/4" (272.4 mm)	8-3/16" (207.9 mm)

	"N"
PX10X-XAX-XXX	1/4" (6.4 mm)
PX10X-XCX-XXX	9/32" (7.1 mm)
PX10X-XHX-XXX	9/32" (7.1 mm)
PX10X-XSX-XXX	9/32" (7.1 mm)

SPECIFICATIONS

CONSTRUCTION

Model Series	PD10X-XXX-XXX
Pump Type	PE10X-XXX-XXX
Ratio	Metallic, Air Operated, Double Diaphragm
Material Inlet / Outlet	1:1
PX10X-AXX-XXX (female)	1 - 11-1/2 N.P.T.F. - 1
PX10X-BXX-XXX (female)	Rp 1 (1- 11 BSP Parallel)
Air Inlet (female)	1/4 - 18 N.P.T.
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight	PX10R-XAX-XXX
	18.3 lbs (8.3 kgs)
	PX10R-XCX-XXX
	35.2 lbs (16.0 kgs)
	PX10R-XHX-XXX
	39.6 lbs (18.0 kgs)
	PX10R-XSX-XXX
	38.2 lbs (17.3 kgs)
	add 6.1 lbs (2.75 kg) for Aluminum air motor section
	add 12.9 lbs (5.84 kg) for Stainless Steel air motor section

Air Section Service Kit

Major Air Valve Assembly

PD10A-XXX-XXX	637395-3
PD10R-XXX-XXX	637395-1
PD10S-XXX-XXX	637395-5
PE10A-XXX-XXX	637395-4
PE10R-XXX-XXX	637395-2
PE10S-XXX-XXX	637395-6

Fluid Section Service Kit

PX10X-XXX-X
637401 -

Diaphragm Material
Ball Material

EXAMPLE: Model # PD10A-ASP-AAA
Fluid Section Service Kit is 637401-AA

PERFORMANCE

Air Inlet Pressure Range	20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Material Inlet Pressure	10 p.s.i. (0.69 bar)
Fluid Pressure Range	20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Flow Rate (flooded inlet)	52.2 g.p.m. (197.6 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	0.232 gal. (0.88 lit.)
Maximum Particle Size	1/8" dia. (3.3 mm)

Maximum Temperature Limits (Diaphragm / Ball / Seat material)

Hytrell	-20° - 150° F (-29° - 66° C)
Nitrile	10° - 180° F (-12° - 82° C)
Polypropylene	35° - 150° F (2° - 66° C)
Santoprene	-40° - 225° F (-40° - 107° C)
T.F.E. (Teflon)	40° - 225° F (4° - 107° C)
Viton	-40° - 350° F (-40° - 177° C)

Noise Level @ 70 p.s.i. - 60 c.p.m.

80.6 db(A)^①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

PERFORMANCE CURVES

PX10X-XXX-XXX 1" METALLIC DIAPHRAGM PUMP

