

SALES & ENGINEERING DATA

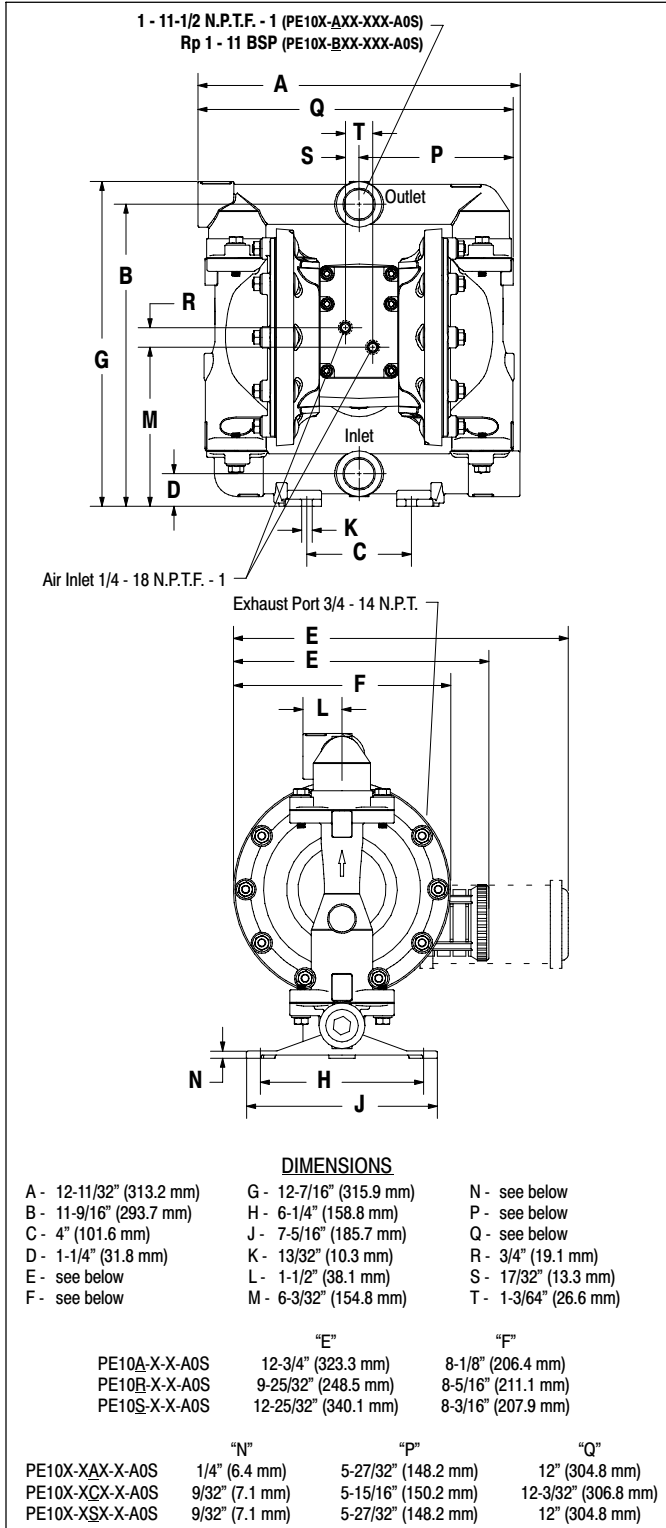
RATIO SERIES: **1:1**

FLUID P.S.I. RANGE: **20 - 120**

PE10X-XXX-XXX-A0S 1" METALLIC DIAPHRAGM PUMP

RELEASED: 9-22-04
REVISED: 6-9-10
(REV. 05) S-1323

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PE10X-XXX-XXX-A0S
Pump Type	Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
PE10X-AXX-XXX-A0S	1 - 11-1/2 N.P.T.F. - 1
PE10X-BXX-XXX-A0S	Rp 1 - 11 BSP
Air Inlet (female)	1/4 - 18 N.P.T.F. - 1
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight	
PE10R-XAX-XXX-A0S	17.87 lbs (8.11 kgs)
PE10R-XCX-XXX-A0S	34.77 lbs (15.77 kgs)
PE10R-XHX-XXX-A0S	39.17 lbs (17.77 kgs)
PE10R-XSX-XXX-A0S	37.77 lbs (17.13 kgs)
	add 5.26 lbs (2.39 kg) for Aluminum air motor section
	add 11.43 lbs (5.18 kg) for Stainless Steel air motor section
Air Section Service Kit	637412
Fluid Section Service Kit	637401-XX

PE10X-XXX-X [X] [X] -A0S
637401 - [X] [X]

Diaphragm Material
Ball Material

EXAMPLE: Model # PE10A-ASP-AAA-A0S
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 / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytre	-20° to 150° F (-29° to 66° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	35° to 150° F (2° to 66° C)
Santoprene	-40° to 225° F (-40° to 107° C)
PTFE	40° to 225° F (4° to 107° C)
Viton	-40° to 350° F (-40° to 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.

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PERFORMANCE CURVES

PE10X-XXX-XXX-A0S 1" METALLIC DIAPHRAGM PUMP

