

SALES & ENGINEERING DATA

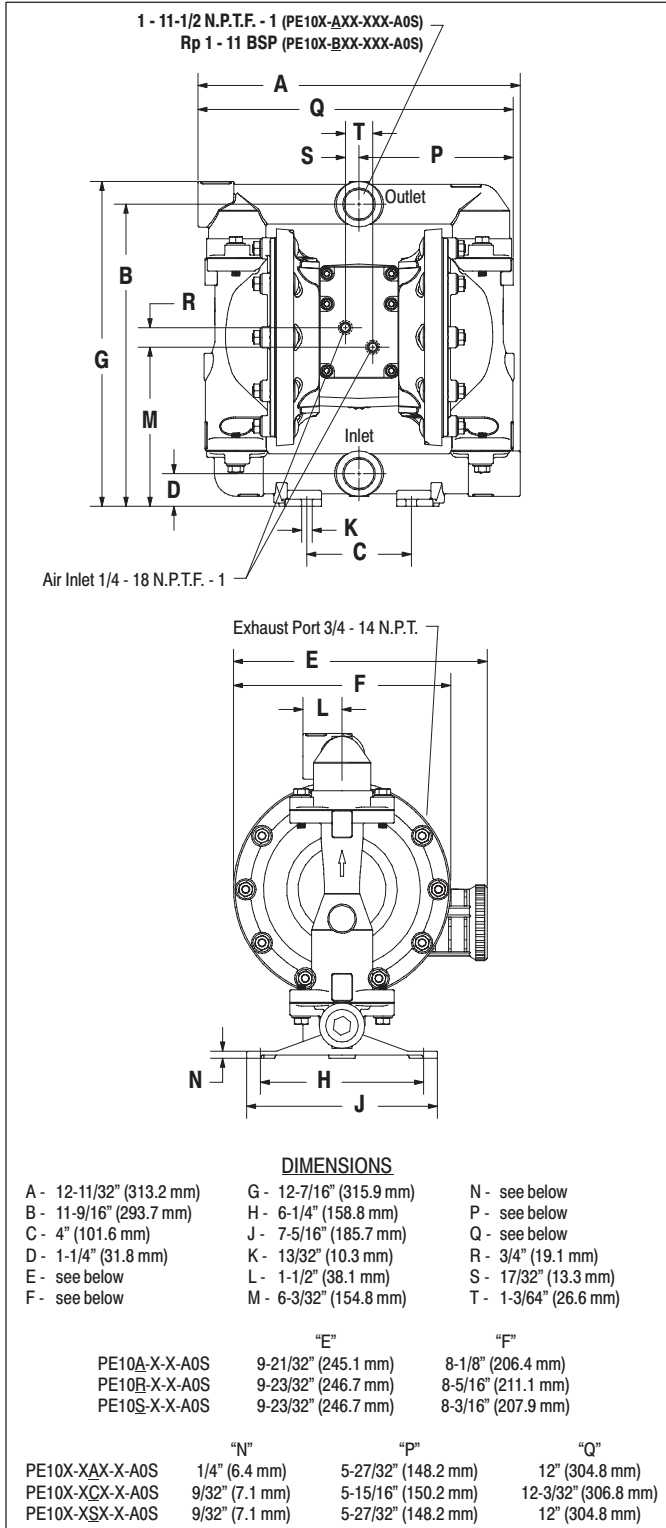
RATIO SERIES: **1:1**

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

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

RELEASED: 9-22-04
REVISED: 3-9-05
(REV. 03) 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 (17.77 kgs)

PE10R-XSX-XXX-A0S 37.77 lbs (17.13 kgs)

add 4.72 lbs (2.14 kg) for Aluminum air motor section

add 10.89 lbs (4.94 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)

Hytrek -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)

T.F.E. (Teflon) 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-PNEUROPS S5.1 using four microphone locations.

PERFORMANCE CURVES

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

