

SALES & ENGINEERING DATA

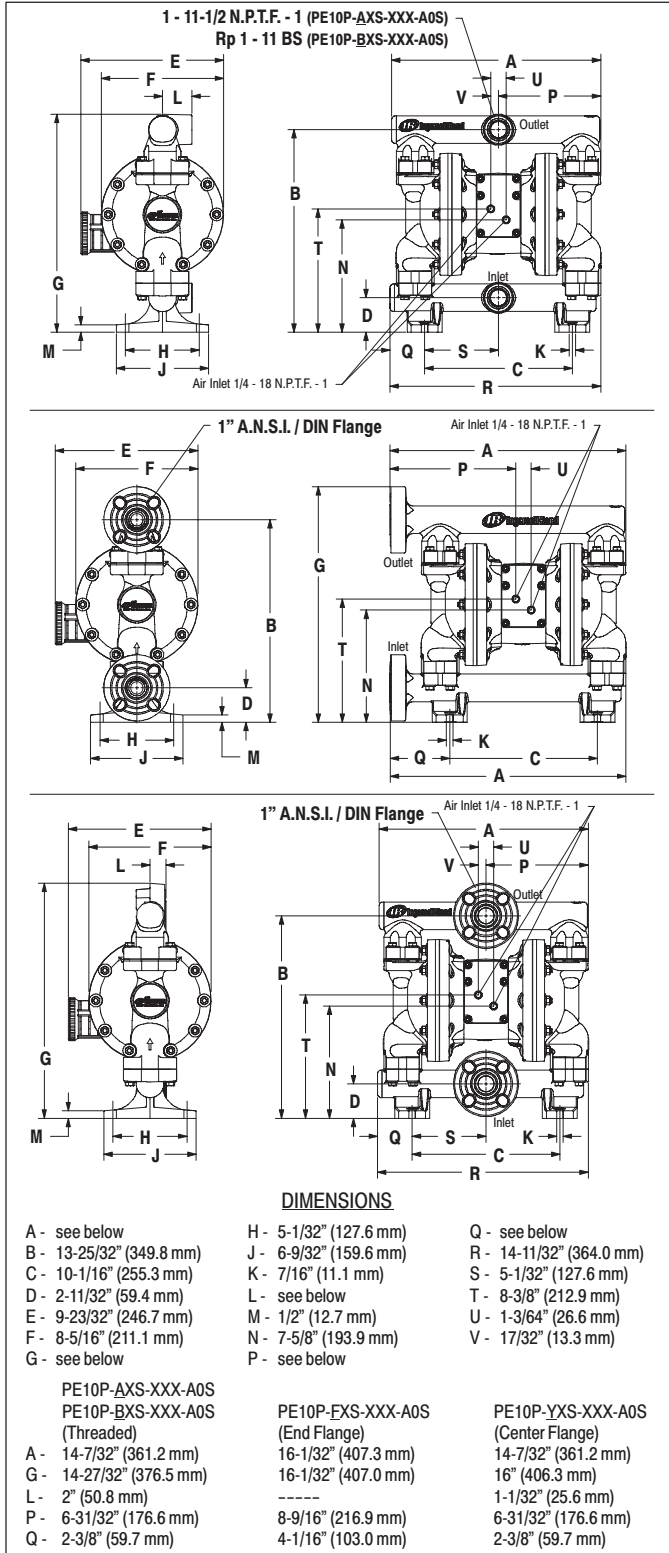
RATIO SERIES: **1:1**

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

RELEASED: 9-23-04
 REVISED: 3-7-05
 (REV. 03) S-1325

PE10P-XXS-XXX-A0S 1" NON-METALLIC DIAPHRAGM PUMP

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PE10P-XXS-XXX-A0S
Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	
PE10P-AXS-XXX-A0S (female) ...	1 - 11-1/2 N.P.T.F. - 1
PE10P-BXS-XXX-A0S (female) ...	Rp 1 - 11 BS
PE10P-FXS-XXX-A0S	1" A.N.S.I. / DIN Flange
PE10P-YXS-XXX-A0S	1" A.N.S.I. / DIN Flange
Air Inlet (female)	1/4 - 18 N.P.T.F. - 1
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight ..	
PE10P-AKS-XXX-A0S ...	25.40 lbs (11.52 kgs)
PE10P-APS-XXX-A0S ...	18.92 lbs (8.58 kgs)
PE10P-BKS-XXX-A0S ...	25.40 lbs (11.52 kgs)
PE10P-BPS-XXX-A0S ...	18.92 lbs (8.58 kgs)
PE10P-FKS-XXX-A0S ...	26.72 lbs (12.12 kgs)
PE10P-FPS-XXX-A0S ...	19.44 lbs (8.82 kgs)
PE10P-YKS-XXX-A0S ...	26.29 lbs (11.93 kgs)
PE10P-YPS-XXX-A0S ...	19.16 lbs (8.69 kgs)
Air Section Service Kit	637412
Fluid Section Service Kit	637396-XX

PE10P-XXS-X X X -A0S
637396 - X X

Diaphragm Material
 Ball Material

EXAMPLE: Model # PE10P-FPS-PAA-A0S
 Fluid Section Service Kit is 637396-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) ...	53.0 g.p.m. (200.6 l.p.m.)
Displacement / Cycle @ 100 p.s.i. ..	0.226 gal. (0.86 lit.)
Maximum Particle Size	1/8" dia. (3.2 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)
P.V.D.F. (Kynar)	10° to 200° F (-12° to 93° 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. ..	79.7 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

PE10P-XXS-XXX-A0S 1" NON-METALLIC DIAPHRAGM PUMP

