

SALES & ENGINEERING DATA

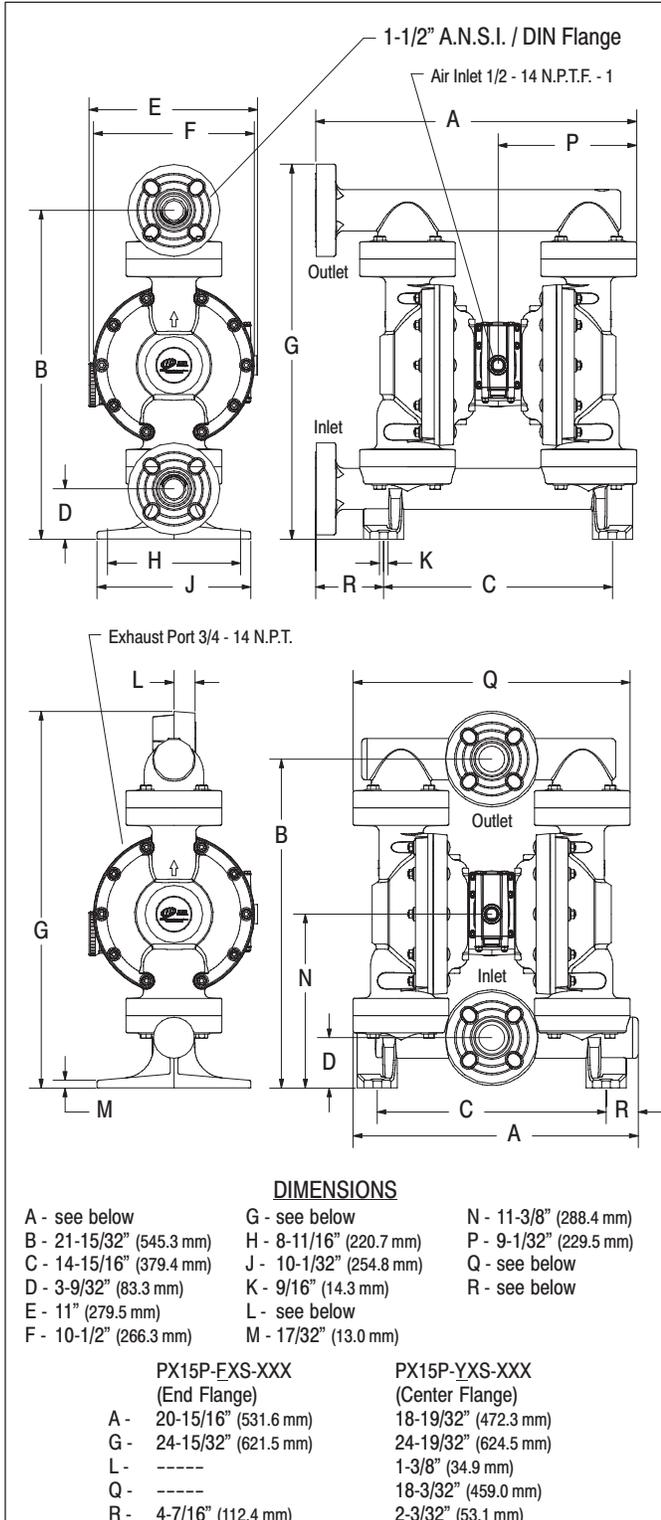
RATIO SERIES: **1:1**

PD15P-XXS-XXX and PE15P-XXS-XXX 1-1/2" NON-METALLIC DIAPHRAGM PUMP

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

RELEASED: 9-5-03
REVISED: 3-12-04
(REV. 03) S-1280

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PD15P-XXS-XXX PE15P-XXS-XXX
Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	1-1/2" A.N.S.I. / DIN Flange
Air Inlet (female)	1/2 - 14 N.P.T.F. - 1
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight ..	PX15P-FKS-XXX 63.94 lbs (29.00 kgs) PX15P-FPS-XXX 42.60 lbs (19.32 kgs) PX15P-YKS-XXX 55.94 lbs (25.37 kgs) PX15P-YPS-XXX 42.30 lbs (19.19 kgs)
Air Section Service Kit	637389
Major Air Valve Assembly	
PD15P-XXS-XXX	637390-1
PE15P-XXS-XXX	637390-2
Fluid Section Service Kit	637391-XX

PX15P-XXS-X
637391 -
└─ Diaphragm Material
└─ Ball Material

EXAMPLE: Model # PD15P-FPS-PAA
 Fluid Section Service Kit is 637391-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) ...	123.1 g.p.m. (465.9 l.p.m.)
Displacement / Cycle @ 100 p.s.i. ..	0.617 gal. (2.34 lit.)
Maximum Particle Size	1/4" dia. (6.4 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)
P.V.D.F. (Kynar)	10° - 200° F (-12° - 93° 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. ..	81.0 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

PX15P-XXS-XXX 1-1/2" NON-METALLIC DIAPHRAGM PUMP

