

SALES & ENGINEERING DATA

RATIO
SERIES: **1:1**

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

RELEASED: 6-16-05

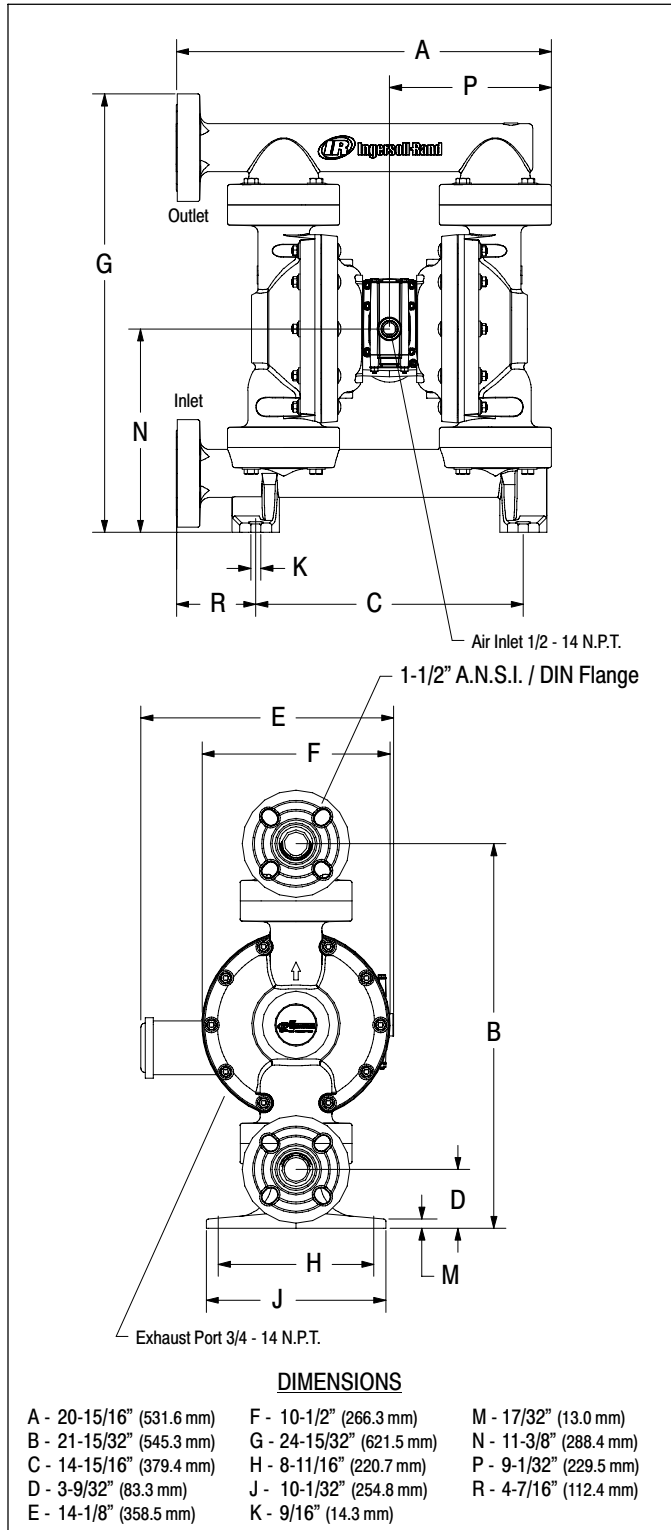
REVISED: 9-16-11

(REV. 04) S-1372

PD15E-FES-PXX

1-1/2" CONDUCTIVE NON-METALLIC DIAPHRAGM PUMP

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PD15E-FES-PXX
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.
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight	43.14 lbs (19.57 kgs)
Air Section Service Kit	637389
Major Air Valve Assembly	637390-7
Fluid Section Service Kit	637391-XX

PD15E-FES-P **XX**
637391 - **XX**
Diaphragm Material
Ball Material

EXAMPLE: Model # PD15E-FES-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 / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrell	-20° to 150° F (-29° to 66° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	35° to 175° F (2° to 79° 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.	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-PNEUROP S5.1 using four microphone locations.

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ARO **IR** Ingersoll Rand
Industrial Technologies

PERFORMANCE CURVES

PD15E-FES-PXX 1-1/2" CONDUCTIVE NON-METALLIC DIAPHRAGM PUMP

