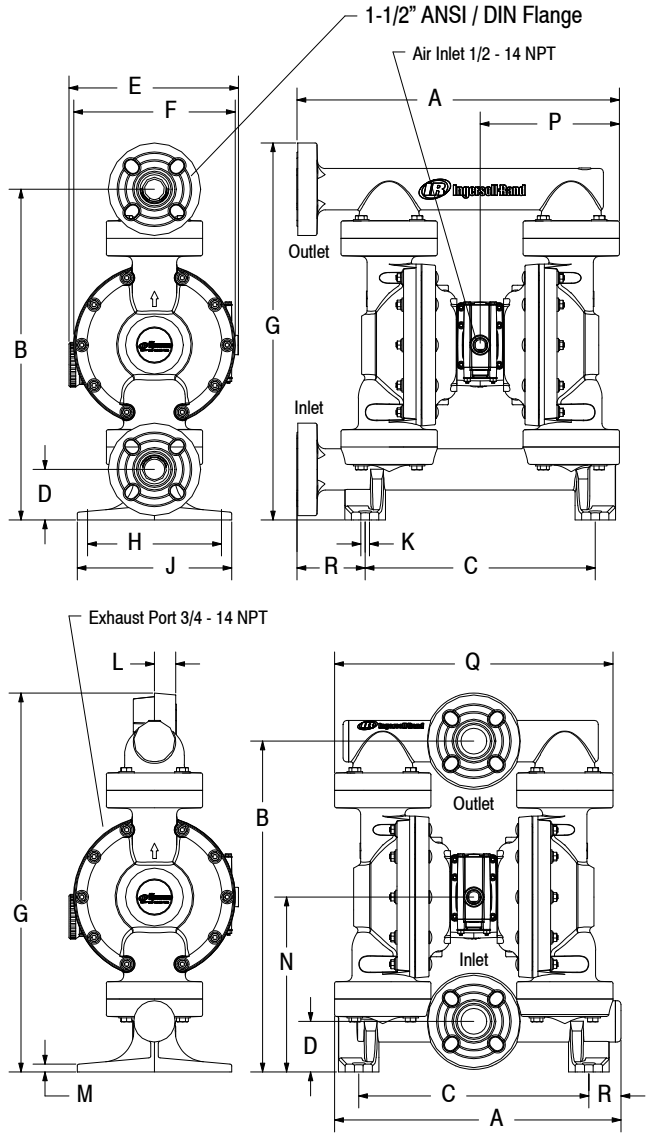
SALES AND ENGINEERING DATA

RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

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

RELEASED: 9-5-03
REVISED: 5-25-18
(REV: H) S-1280

DIMENSIONAL DATA



DIMENSIONS

A - see below	G - see below	N - 11-3/8" (288.4 mm)
B - 21-15/32" (545.3 mm)	H - 8-11/16" (220.7 mm)	P - 9-1/32" (229.5 mm)
C - 14-15/16" (379.4 mm)	J - 10-1/32" (254.8 mm)	Q - see below
D - 3-9/32" (83.3 mm)	K - 9/16" (14.3 mm)	R - see below
E - 11" (279.5 mm)	L - see below	
F - 10-1/2" (266.3 mm)	M - 17/32" (13.0 mm)	

	PX15P-FXS-XXX (End Flange)	PX15P-YXS-XXX (Center Flange)
A -	20-15/16" (531.6 mm)	18-19/32" (472.3 mm)
G -	24-15/32" (621.5 mm)	24-19/32" (624.5 mm)
L -	-----	1-3/8" (34.9 mm)
Q -	-----	18-3/32" (459.0 mm)
R -	4-7/16" (112.4 mm)	2-3/32" (53.1 mm)

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" ANSI / DIN Flange
Air Inlet (female)	1/2 - 14 NPT
Air Exhaust (female)	3/4 - 14 NPT
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 [X][X]
637391 - [X][X]
Diaphragm Material
Ball Material

EXAMPLE: Model # PD15P-FPS-PAA
Fluid Section Service Kit is 637391-AA

PERFORMANCE

Air Inlet Pressure Range	20 - 120 psig (1.4 - 8.3 bar)
Maximum Material Inlet Pressure	10 psig (0.69 bar)
Fluid Pressure Range	20 - 120 psig (1.4 - 8.3 bar)
Maximum Flow Rate (flooded inlet)	123.1 gpm (465.9 lpm)
Displacement / Cycle @ 100 psig	0.617 gal. (2.34 lit.)
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrel®	-20° to 180° F (-29° to 82° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	35° to 175° F (2° to 79° C)
PVDF (Kynar®)	10° to 200° F (-12° to 93° 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 psig - 60 cpm	81.0 dB(A)①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.
NOTE: Performance tested with 95845 Diaphragm Check Valve.

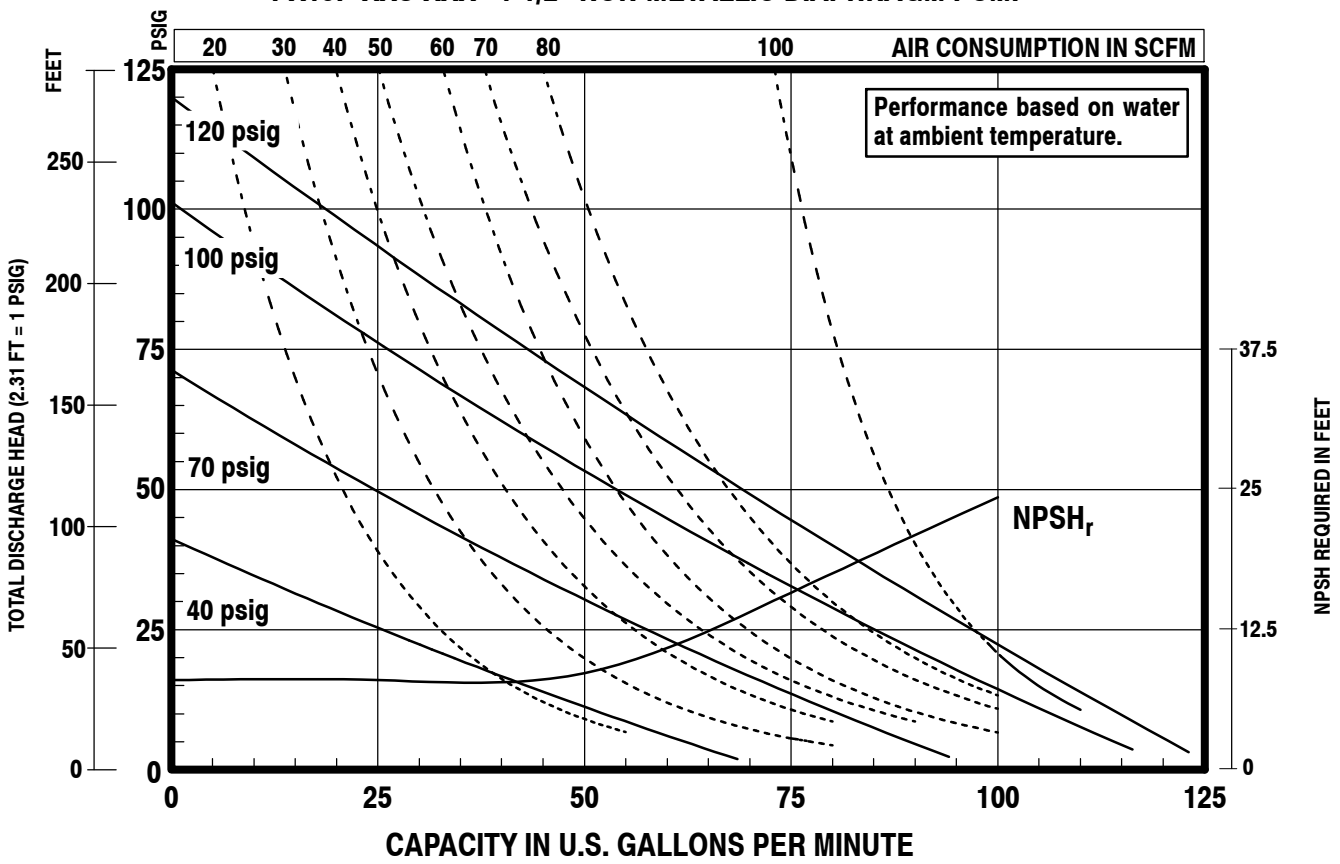
INGERSOLL RAND COMPANY LTD
209 NORTH MAIN STREET – BRYAN, OHIO 43506
(800) 495-0276 • FAX (800) 892-6276
arozone.com

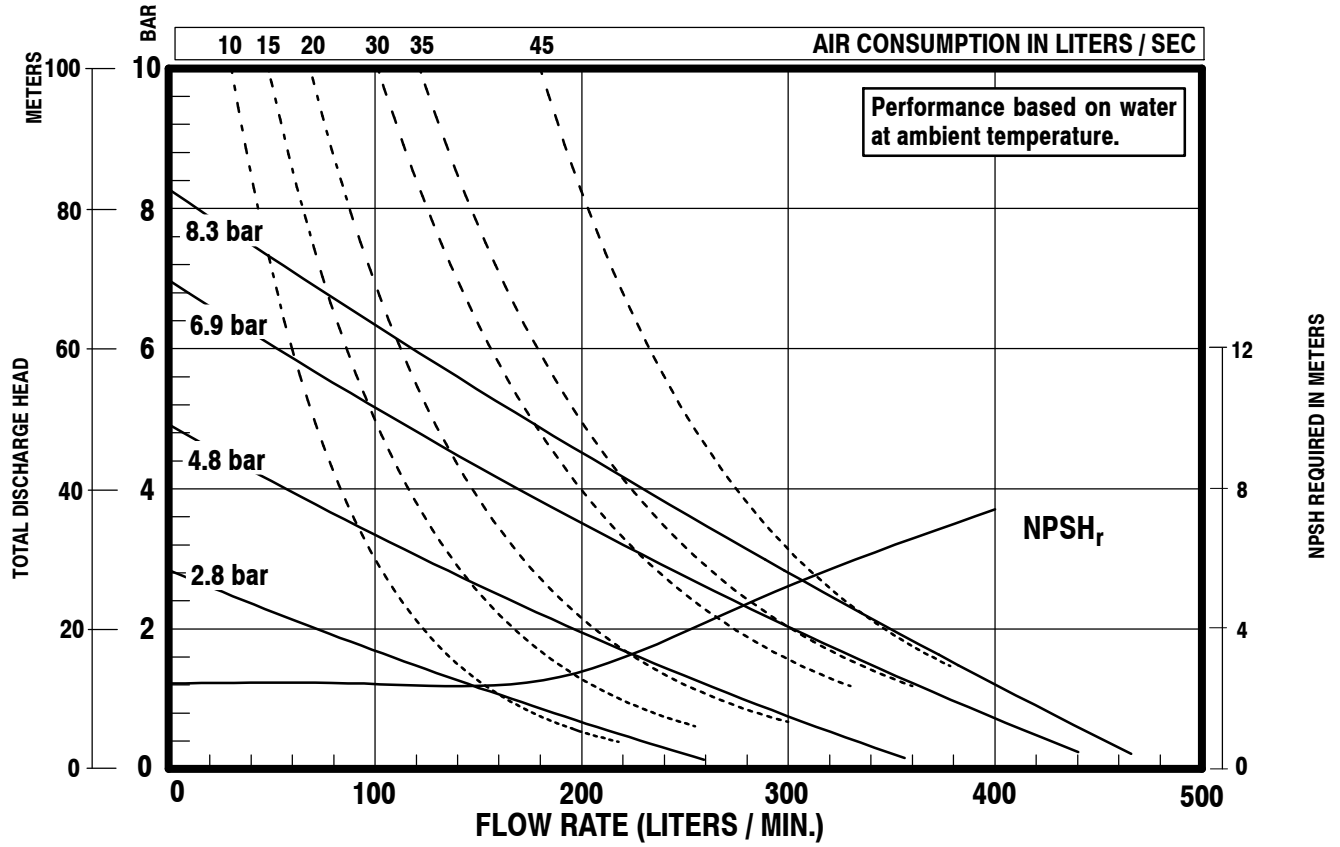
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ARO Ingersoll Rand

PERFORMANCE CURVES

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

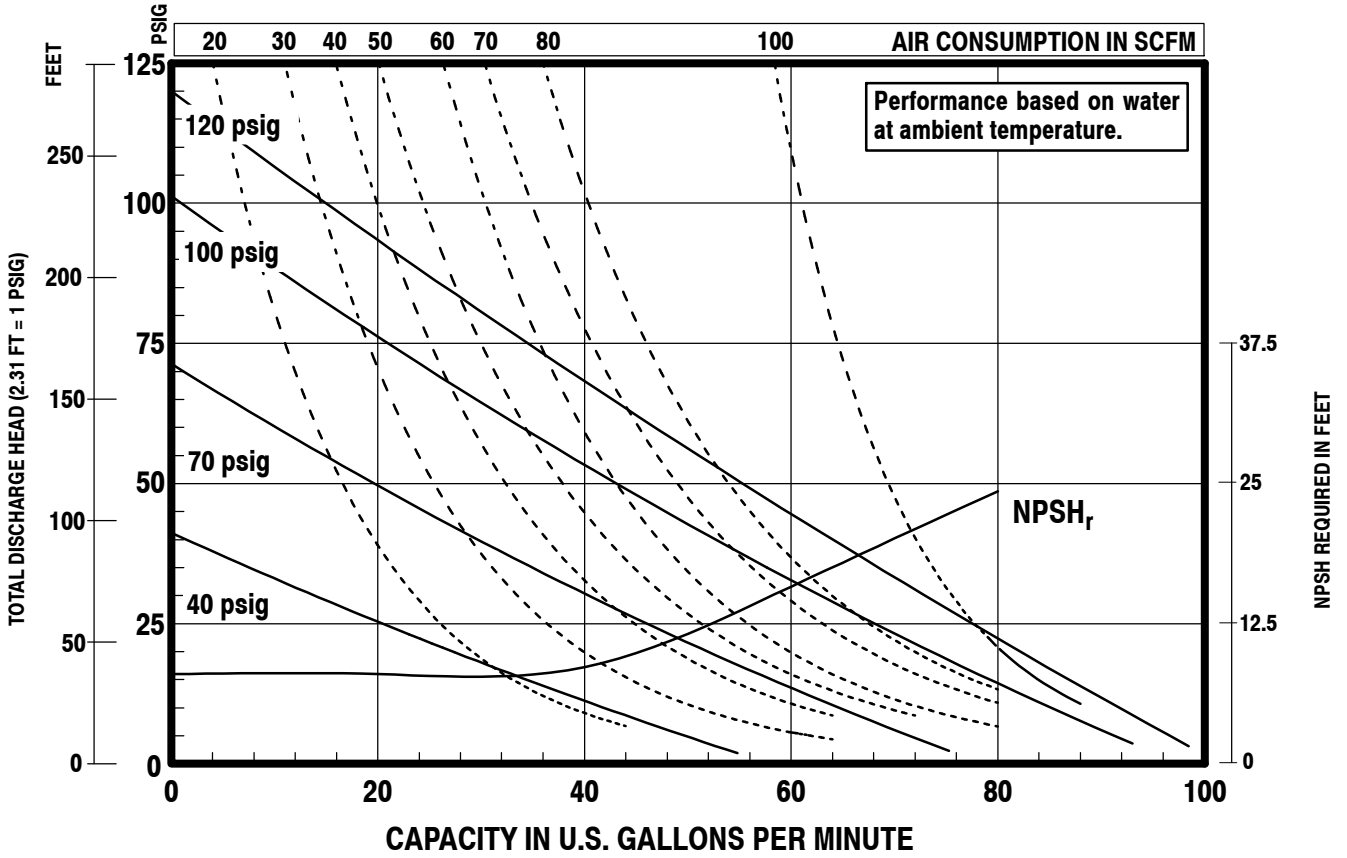


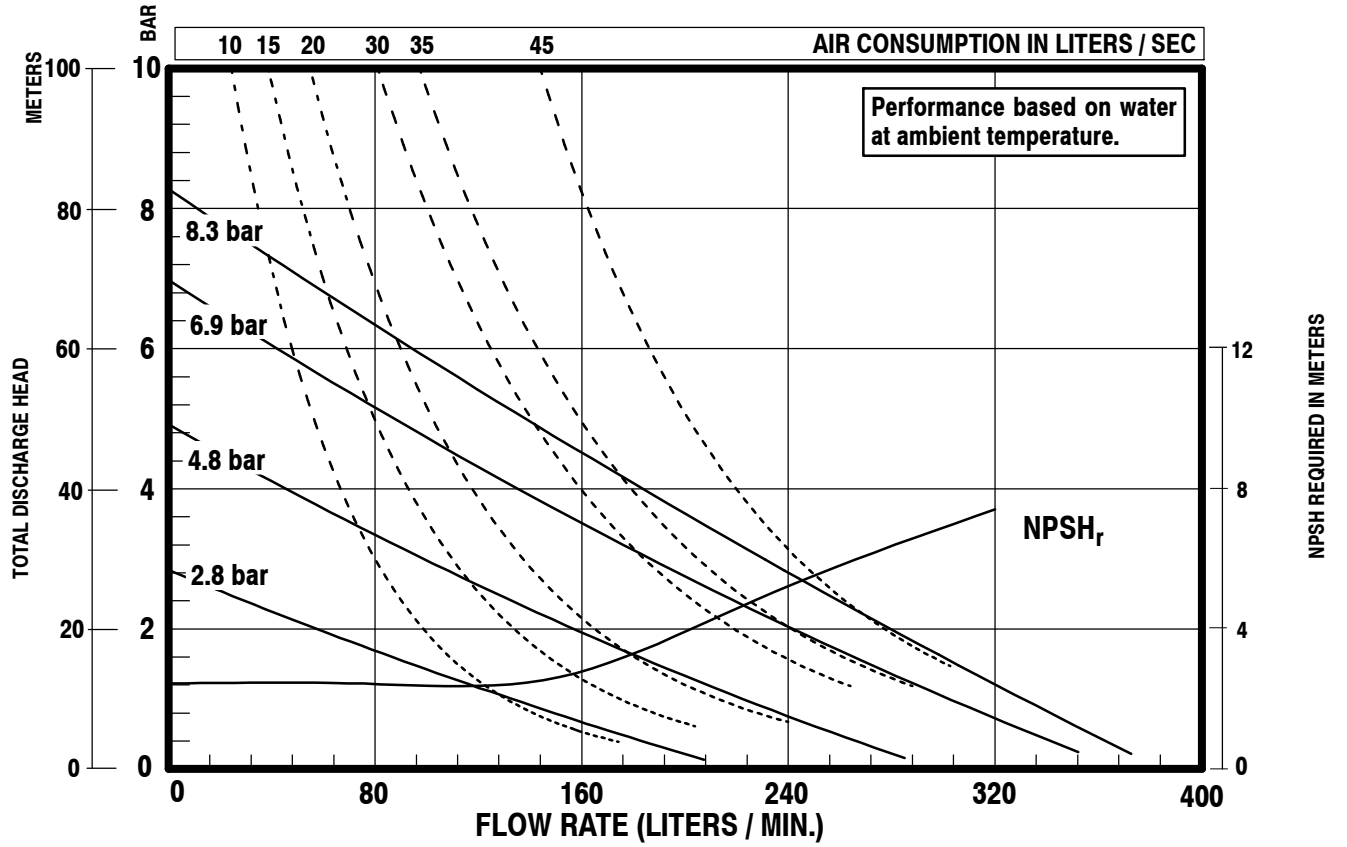


NOTE: Performance tested with 95845 Diaphragm Check Valve.

PERFORMANCE CURVES

PE15P-XXS-XXX-XXEX & PE15P-XXS-XXX-XXFX 1-1/2" NON-METALLIC DIAPHRAGM PUMP





NOTE: Performance tested with 95845 Diaphragm Check Valve.