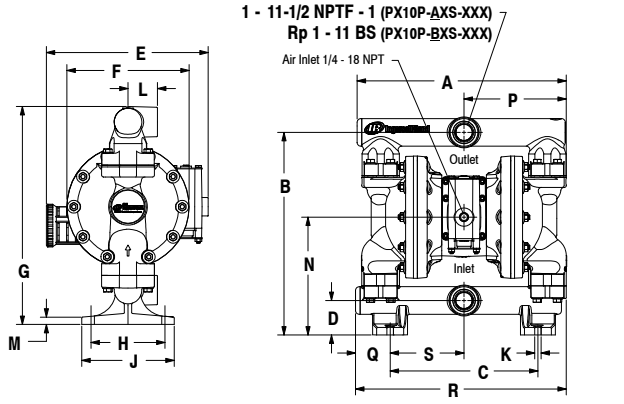
SALES AND ENGINEERING DATA

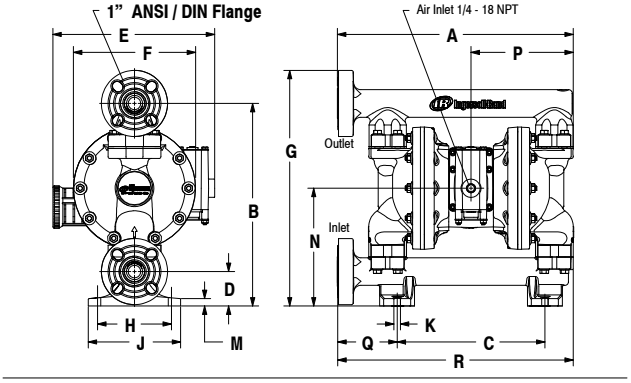
RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

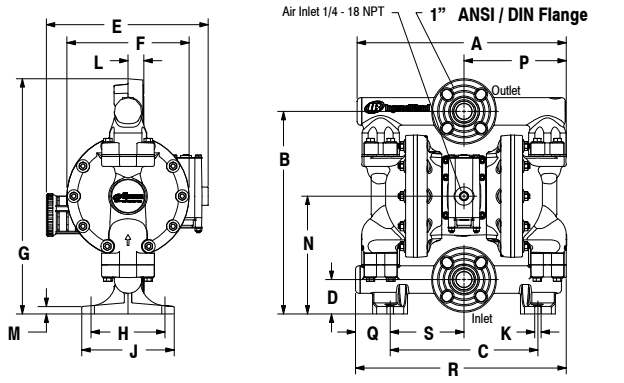
PD10P-XXS-XXX AND PE10P-XXS-XXX
1” NON-METALLIC DIAPHRAGM PUMP

RELEASED: 1-9-04
REVISED: 5-25-18
(REV: H) S-1304

DIMENSIONAL DATA







DIMENSIONS

A - see below	G - see below	N - 8-1/32” (203.4 mm)
B - 13-25/32” (349.8 mm)	H - 5-1/32” (127.6 mm)	P - 6-31/32” (176.6 mm)
C - 10-1/16” (255.3 mm)	J - 6-9/32” (159.6 mm)	Q - see below
D - 2-11/32” (59.4 mm)	K - 7/16” (11.1 mm)	R - see below
E - 11-1/32” (279.5 mm)	L - see below	S - 5-1/32” (127.6 mm)
F - 8-5/16” (211.1 mm)	M - 1/2” (12.7 mm)	

	PX10P-AXS-, -BXS- (Threaded)	PX10P-FXS-XXX (End Flange)	PX10P-YXS-XXX (Center Flange)
A -	14-7/32” (361.2 mm)	16-1/32” (407.3 mm)	14-7/32” (361.2 mm)
G -	14-27/32” (376.5 mm)	16-1/32” (407.3 mm)	16” (406.3 mm)
L -	2” (50.8 mm)	-----	1-1/32” (25.6 mm)
Q -	2-3/8” (59.7 mm)	4-1/16” (103.0 mm)	2-3/8” (59.7 mm)
R -	14-11/32” (364.0 mm)	16-1/32” (407.3 mm)	14-11/32” (364.0 mm)

SPECIFICATIONS

CONSTRUCTION

Model Series	PD10P-XXS-XXX PE10P-XXS-XXX
Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	
PX10P-AXS-XXX (female)	1 - 11-1/2 NPTF - 1
PX10P-BXS-XXX (female)	Rp 1 - 11 BS
PX10P-FXS-XXX, -YXS	1” ANSI / DIN Flange
Air Inlet (female)	1/4 - 18 NPT
Air Exhaust (female)	3/4 - 14 NPT
Weight . . PX10P-AKS-XXX, -BKS	25.83 lbs (11.72 kgs)
PX10P-APS-XXX, -BPS	19.35 lbs (8.78 kgs)
PX10P-FKS-XXX	27.15 lbs (12.32 kgs)
PX10P-FPS-XXX	19.87 lbs (9.01 kgs)
PX10P-YKS-XXX	26.72 lbs (12.12 kgs)
PX10P-YPS-XXX	19.59 lbs (8.89 kgs)
Air Section Service Kit	637397
Major Air Valve Assembly	
PD10P-XXS-XXX	637395-1
PE10P-XXS-XXX	637395-2
Fluid Section Service Kit	637396-XX

PX10P-XXS-X [X][X]
637396 - [X][X]
└ Diaphragm Material
└ Ball Material

EXAMPLE: Model # PD10P-FPS-PAA
Fluid Section Service Kit is 637396-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)	53.0 gpm (200.6 lpm)
Displacement / Cycle @ 100 psig	0.226 gal. (0.86 lit.)
Maximum Particle Size	1/8” dia. (3.2 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	79.7 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.

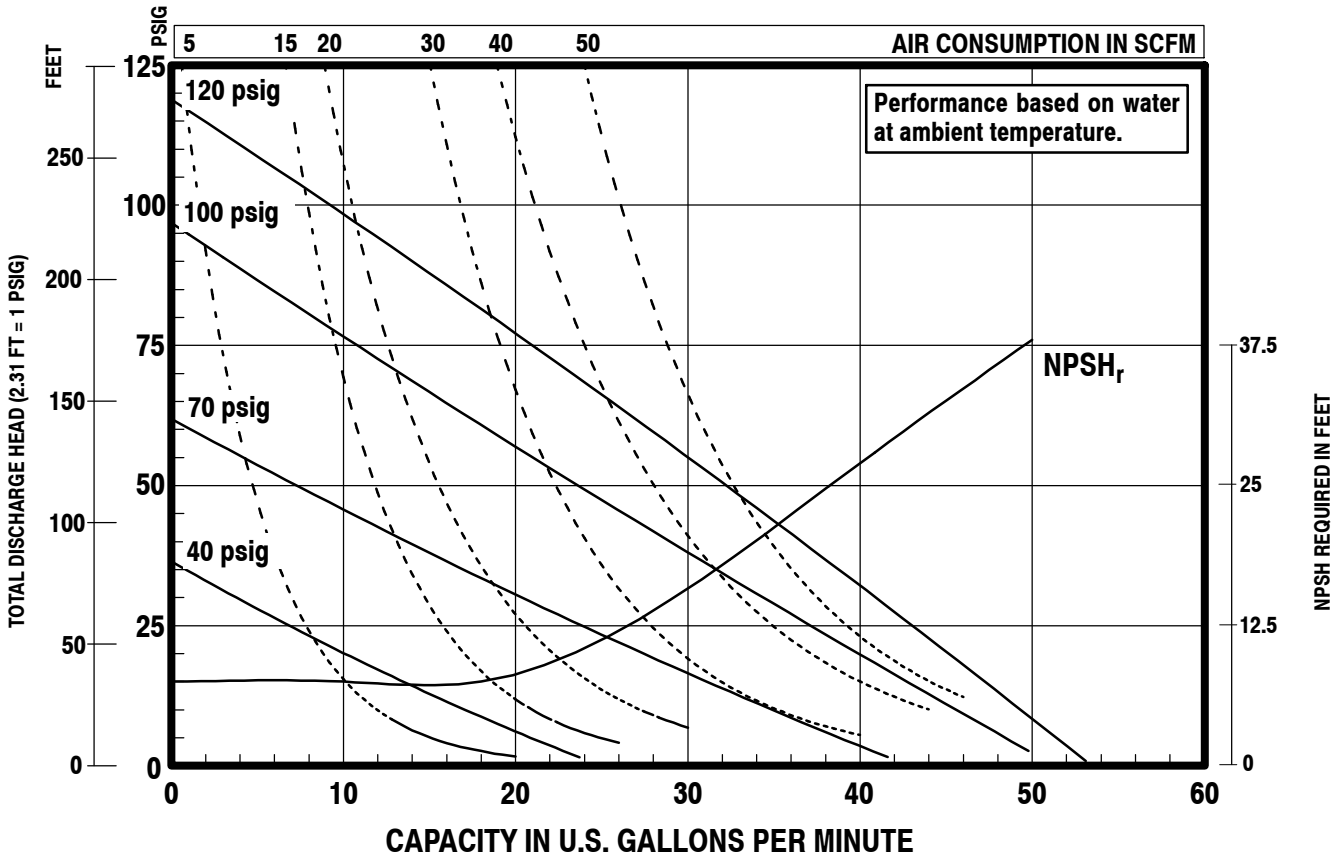
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209 NORTH MAIN STREET – BRYAN, OHIO 43506
(800) 495-0276 • FAX (800) 892-6276
arozone.com

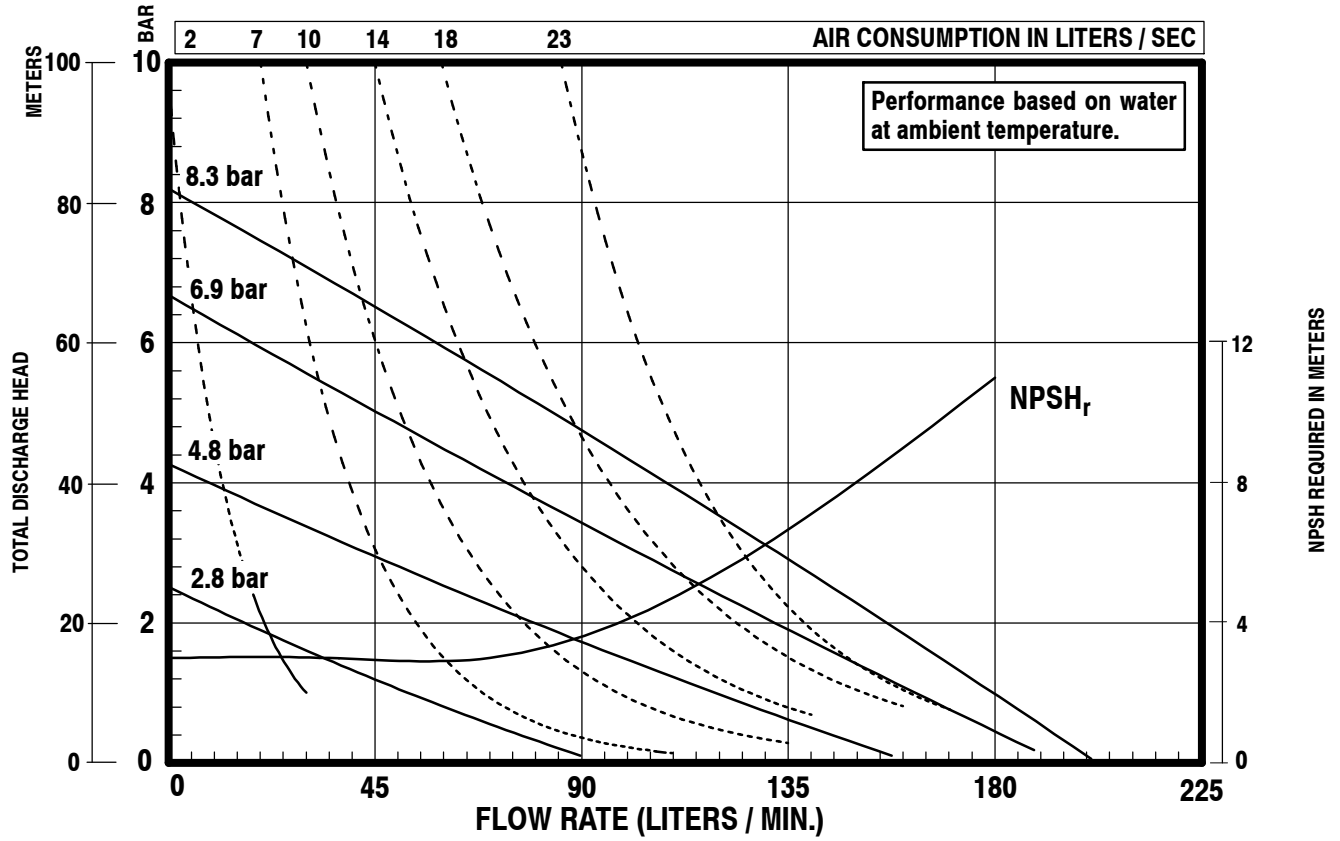
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ARO Ingersoll Rand

PERFORMANCE CURVES

PX10P-XXS-XXX 1" NON-METALLIC DIAPHRAGM PUMP

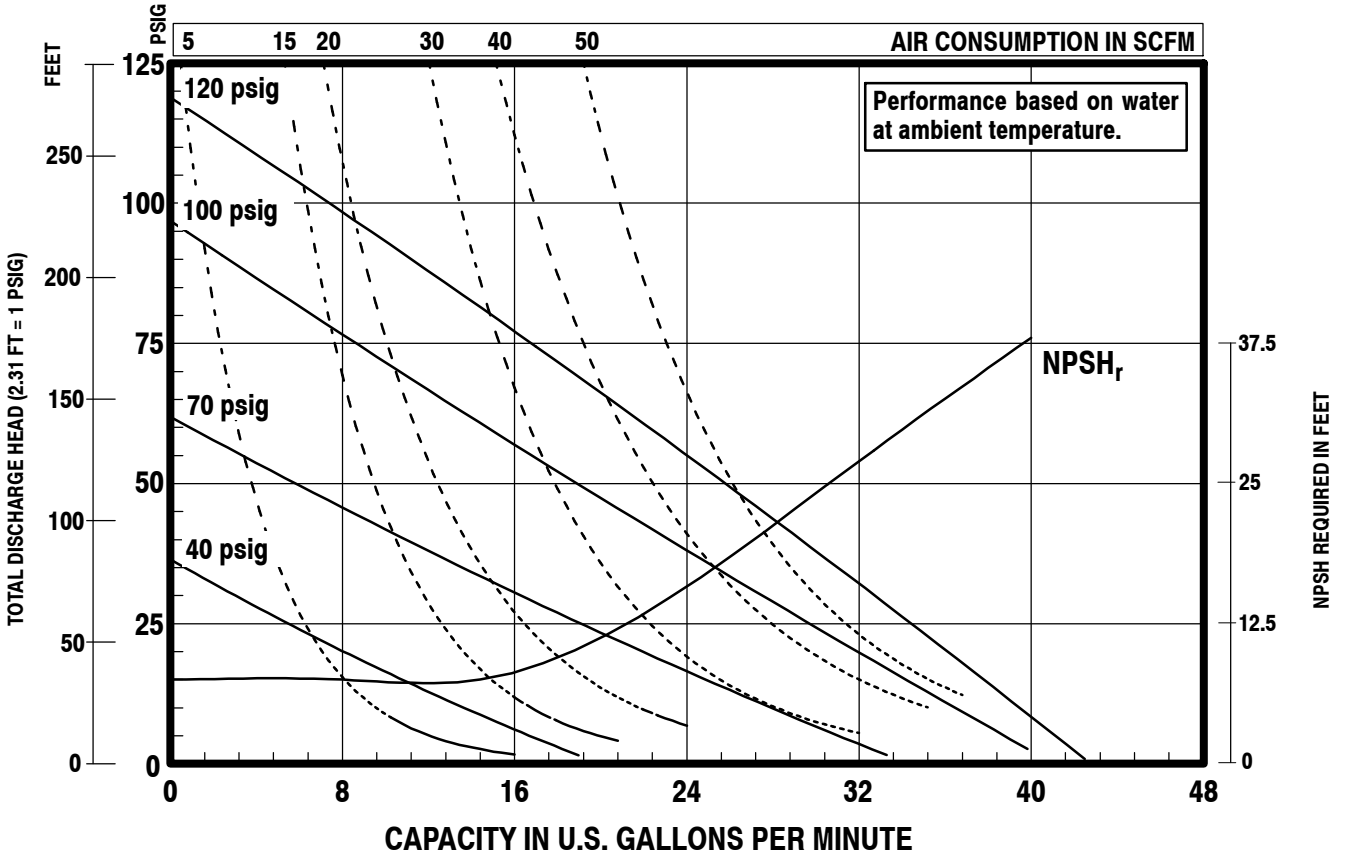


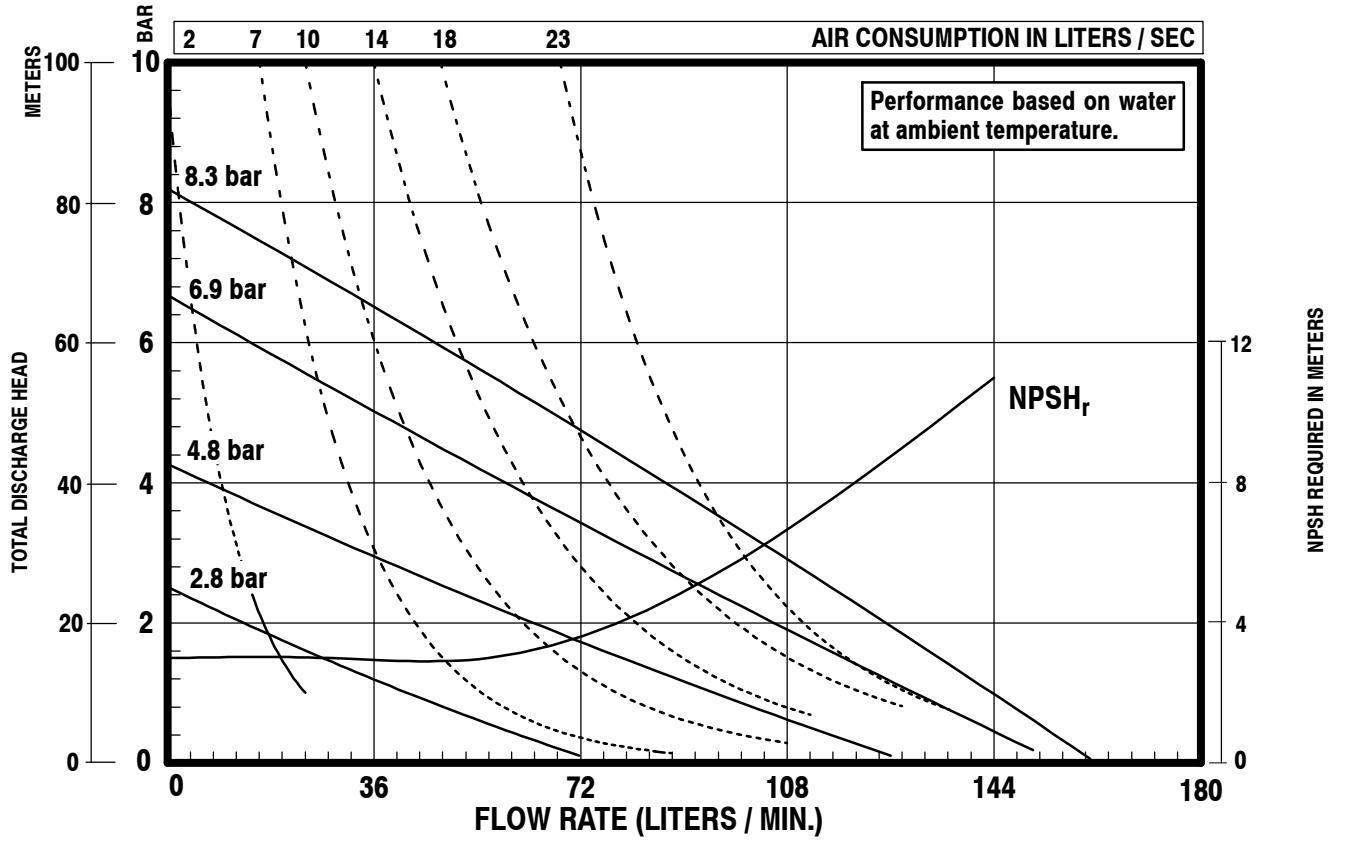


NOTE: Performance tested with 95845 Diaphragm Check Valve.

PERFORMANCE CURVES

PE10P-XXS-XXX-XXEX & PE10P-XXS-XXX-XXFX 1" NON-METALLIC DIAPHRAGM PUMP





NOTE: Performance tested with 95845 Diaphragm Check Valve.