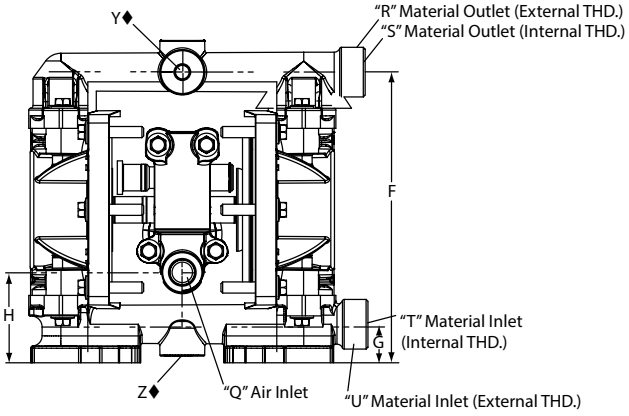
SALES & ENGINEERING DATA

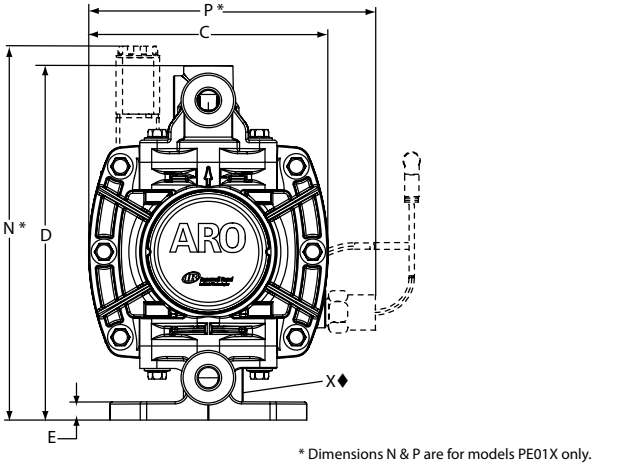
RATIO SERIES:	1:1
FLUID PSIG RANGE:	10 - 125

PX01X-XXX-XXX-AXXX
1/4" DIAPHRAGM PUMP

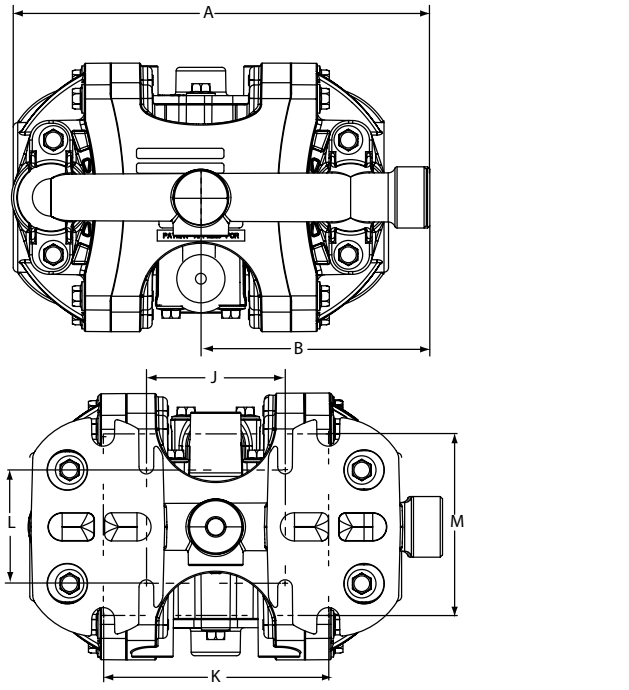
RELEASED: 3-7-13
REVISED: 7-14-14
(REV. C)

DIMENSIONAL DATA





* Dimensions N & P are for models PE01X only.
Dotted lines show options for PE01X pumps.



♦ X, Y, Z are for multiport models (HEX, HLX, HRX) only.

SPECIFICATIONS

Model Series PD01X-XXX-XXX-AXXXX, PE01X-XXX-XXX-AXXX
Pump Type.. Non-Metallic Air Operated Double Diaphragm
Ratio..... 1:1
Air Inlet..... Q - 1/4 - 18 PTF SAE Short
Weight..... Polypropylene..... 2.86 lbs (1.30 kgs)
PVDF..... 3.88 lbs (1.76 kgs)
Acetal..... 3.52 lbs (1.60 kgs)

PERFORMANCE

Maximum Air Inlet Pressure..... 125 psig (8.6 bar)
Minimum Air Inlet Pressure..... 10 psig (0.69 bar)
Maximum Outlet Pressure..... 125 psig (8.6 bar)
Maximum Flow Rate..... 5.3 gpm (20 lpm)
Maximum Material Inlet Pressure.... 10 psig (0.69 bar)
Displacement / Cycle @ 125 psig.... 0.019 gal / 0.072 ltrs
Maximum Particle Size..... 1/16" dia.(1.6 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)
Acetal..... 10° to 180° F (-12° to 82° C)
E.P.R. / EPDM..... -60° to 280° F (-51° to 138° C)
Kynar® PVDF..... 10° to 200° F (-12° to 93° C)
Hytrel®..... -20° to 150° F (-29° to 66° C)
Neoprene..... 0° to 200° F (-18° to 93° C)
Nitrile®..... 10° to 180° F (-12° to 82° C)
Polypropylene..... 35° to 175° F (2° to 79° C)
Viton®..... -40° to 350° F (-40° to 177° C)
Santoprene®..... -40° to 225° F (-40° to 107° C)
PTFE..... 40° to 225° F (4° to 107° C)
Noise Level @ 70 psig, 60 cpm..... 62.3 dB(A)①

① The pump sound pressure levels published here have been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1.13-2005, CAGI-PNEUROP S5.1.

Mounting Adapter Plate Optional Accessory Kit (24123879) available. Please contact your nearest **ARO / Ingersoll Rand** customer service or distributor for details.

DIMENSIONS

Dimensions shown are for reference only, they are displayed in inches and millimeters (mm).

A - 7.2" (182 mm)	H- 1.9" (48.6 mm)	Q - 1/4 - 18 PTF SAE Short	Z - 1/4 - 18 PTF SAE Short
B - 3.9" (100.0 mm)	J - 2.4" (61 mm)	R- 3/4-14 NPTF	
C - 4.6" (117.0 mm)	K - 3.9" (99 mm)	S - 1/4 NPTF / BSPT Hybrid*	
D- 6.8" (173.0 mm)	L - 2.1" (53 mm)	T - 1/4 NPTF / BSPT Hybrid*	
E- 0.3" (8.8 mm)	M - 3.2" (81 mm)	U- 3/4-14 NPTF	
F- 6.1 " (156 mm)	N - 7.2" (184 mm)	X - 1/4-18 NPTF / BSPT Hybrid	
G- 0.8" (20.7 mm)	P - 5.6" (142.2 mm)	Y - 1/4 NPTF / BSPT Hybrid	

* Multiport Options Discharge Manifold has (2) and Inlet Manifold has (3).

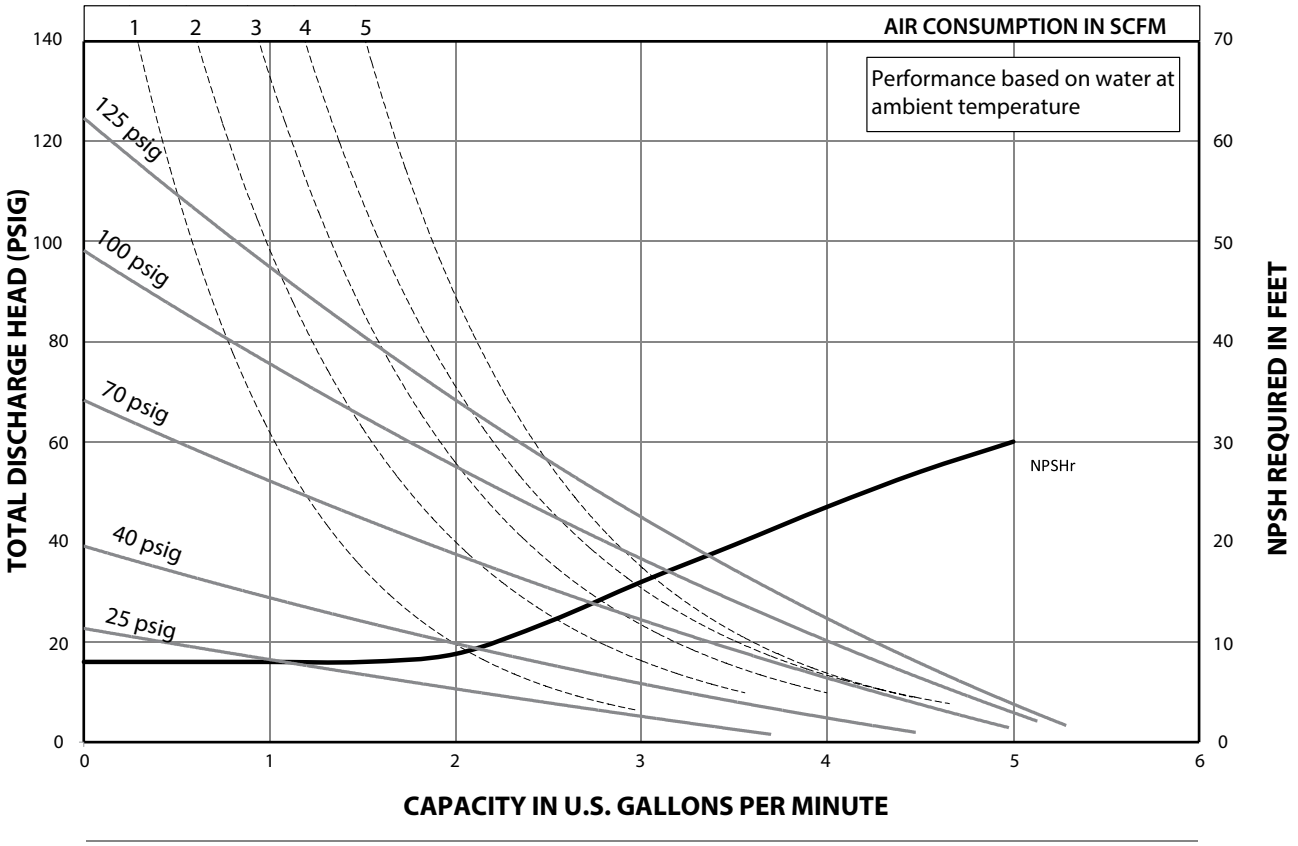
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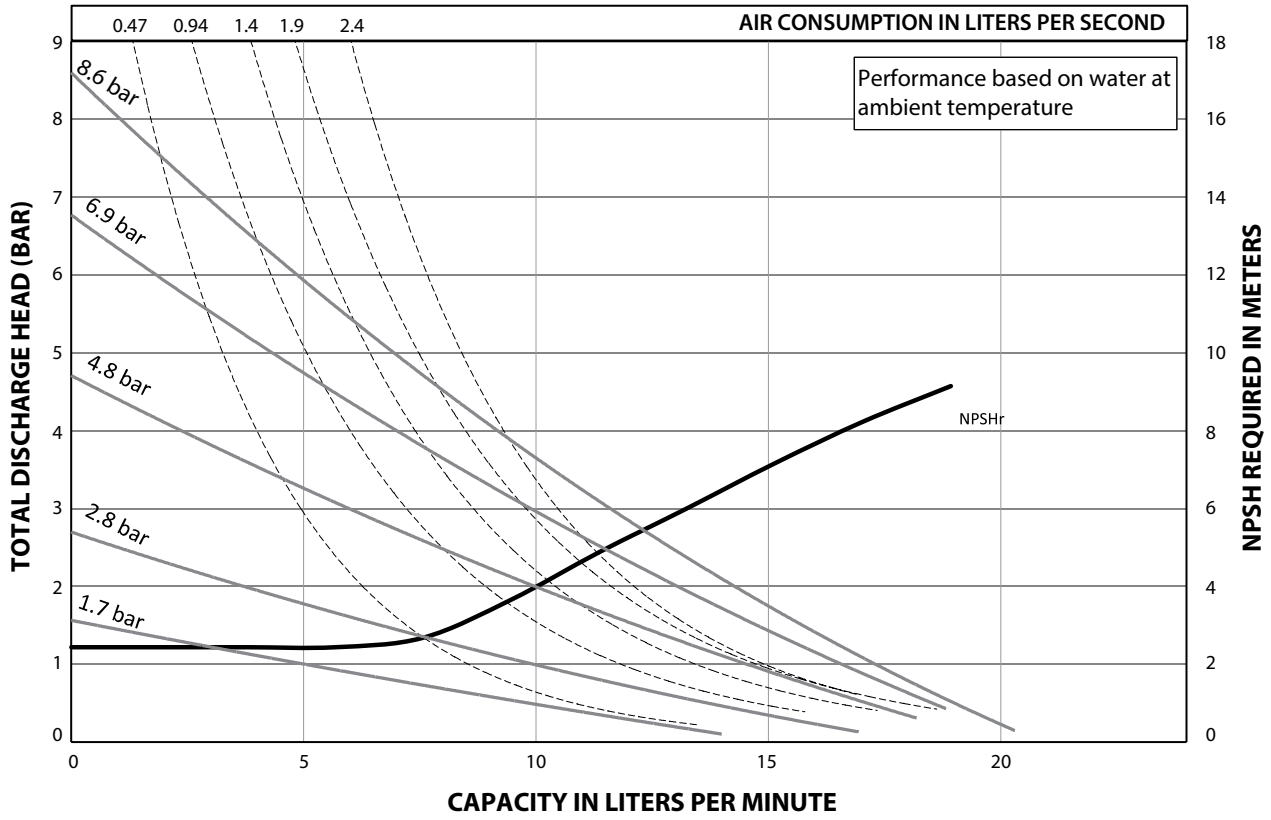
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ARO Ingersoll Rand

PERFORMANCE CURVES

PD01P-XXS-XXX 1/4" NON-METALLIC DIAPHRAGM PUMP

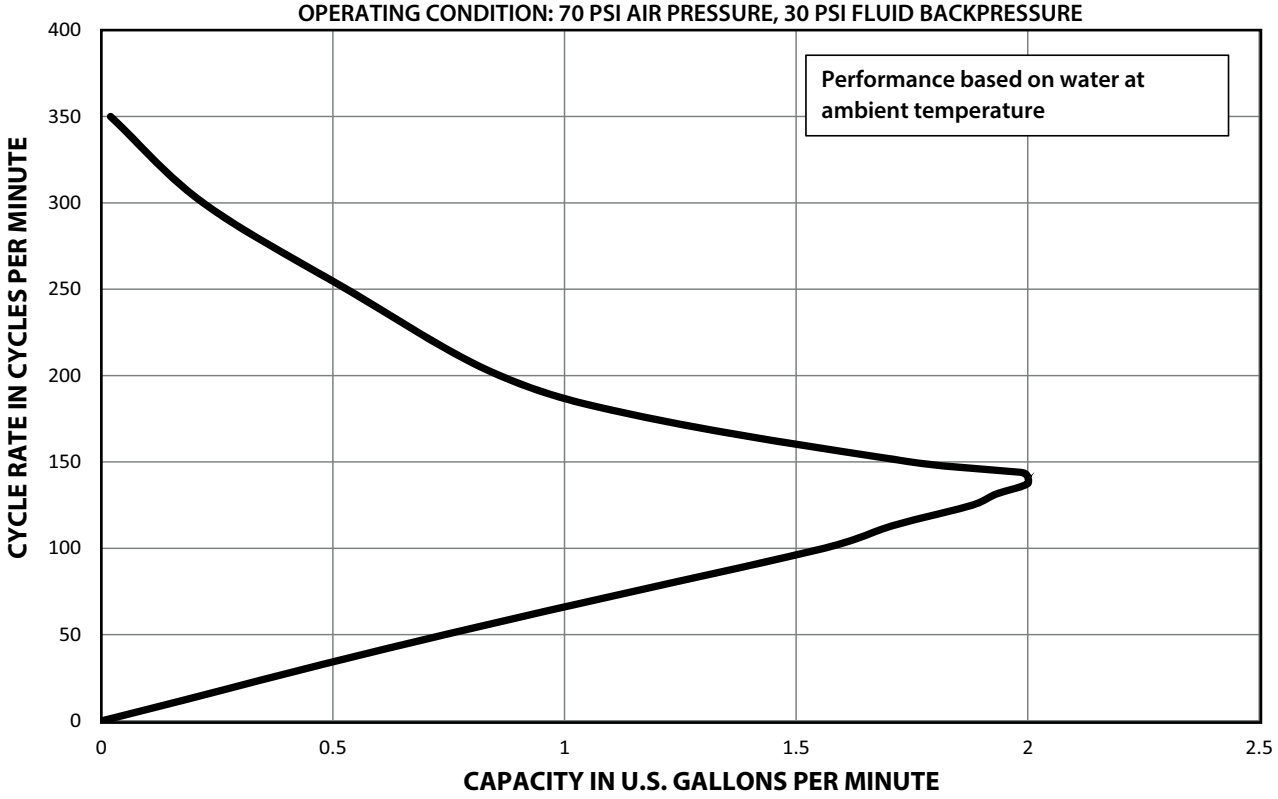




PERFORMANCE CURVES

PE01X-XXX-XXX SOLENOID-CONTROLLED TIME-BASED FLOW RATE

OPERATING CONDITION: 70 PSI AIR PRESSURE, 30 PSI FLUID BACKPRESSURE



OPERATING CONDITION: 4.8 BAR AIR PRESSURE, 2.1 BAR FLUID BACKPRESSURE

