SALES & ENGINEERING DATA

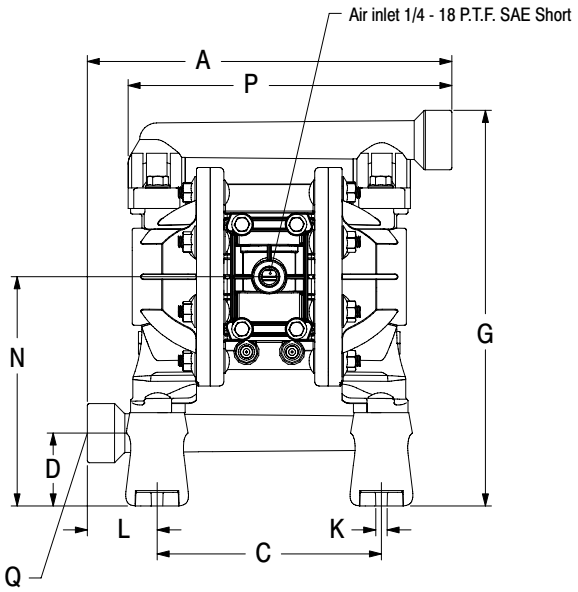
RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	10 - 100

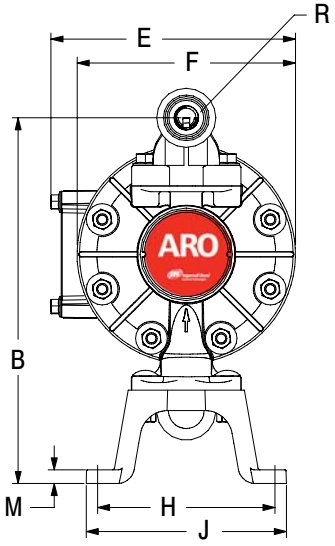
PD07P-XPS-PXX

3/4" NON-METALLIC DIAPHRAGM PUMP

RELEASED:	12-4-06
REVISED:	9-16-11
(REV. 04)	S-1409

DIMENSIONAL DATA





DIMENSIONS

A - 10-1/16" (254.2 mm)	F - 6-1/32" (153.1 mm)	L - 1-15/16" (48.9 mm)
B - 10-3/32" (256.1 mm)	G - 10-29/32" (276.8 mm)	M - 3/8" (9.6 mm)
C - 6-3/16" (157.1 mm)	H - 4-29/32" (124.2 mm)	N - 6-5/16" (160.5 mm)
D - 2" (51.0 mm)	J - 5-17/32" (140.2 mm)	P - 8-7/8" (225.3 mm)
E - 6-3/4" (171.0 mm)	K - 5/16" (8.0 mm)	

Model	"Q" Material Inlet	"R" Material Outlet
PD07P-APS-PXX	3/4 - 14 N.P.T.F. - 1	3/4 - 14 N.P.T.F. - 1
PD07P-BPS-PXX	Rp 3/4 (3/4 - 14 BSP)	Rp 3/4 (3/4 - 14 BSP)

NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.

SPECIFICATIONS

CONSTRUCTION

Model Series PD07P-XPS-PXX
Pump Type . . . . . Non-Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PD07P-APS-PXX . . . . . 3/4 - 14 N.P.T.F. - 1
PD07P-BPS-PXX . . . . . Rp 3/4 (3/4 - 14 BSP parallel)
Air Inlet (female) . . . . . 1/4 - 18 P.T.F. SAE short
Air Exhaust (standard) . . . . . internal
(optional)(female) . . . . . 3/8 - 18 N.P.T.F. - 1
Weight . . . . . 5.61 lbs (2.54 kgs)
Air Section Service Kit 637428
Fluid Section Service Kit 637427-XX

PD07P-XPS- P [X][X]
637427 - [X][X]
Diaphragm Material
Ball Material

EXAMPLE: Model #PD07P-APS-PAA
Fluid Section Service Kit is 637427-AA

PERFORMANCE

Air Inlet Pressure Range . . . . . 10 - 100 p.s.i. (0.69 - 6.9 bar)
Maximum Material Inlet Pressure . . . 10 p.s.i. (0.69 bar)
Fluid Outlet Pressure Range . . . . . 10 - 100 p.s.i. (0.69 - 6.9 bar)
Maximum Flow Rate (flooded inlet) . . 14.8 g.p.m. (56.0 l.p.m.)
Displacement / Cycle @ 100 p.s.i. . . 0.032 gal. (0.12 lit.)
Maximum Particle Size . . . . . 3/32" dia. (2.4 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)
Hytrel . . . . . -20° to 150° F (-29° to 66° 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)
Noise Level @ 70 p.s.i. - 60 c.p.m.① . 75.0 db(A)②

Notes:
① Tested with 67367 muffler assembly installed.
② 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.

ACCESSORIES:

66073-1 Air Line Connection Kit
637438 Ported Exhaust Kit
93110 Muffler

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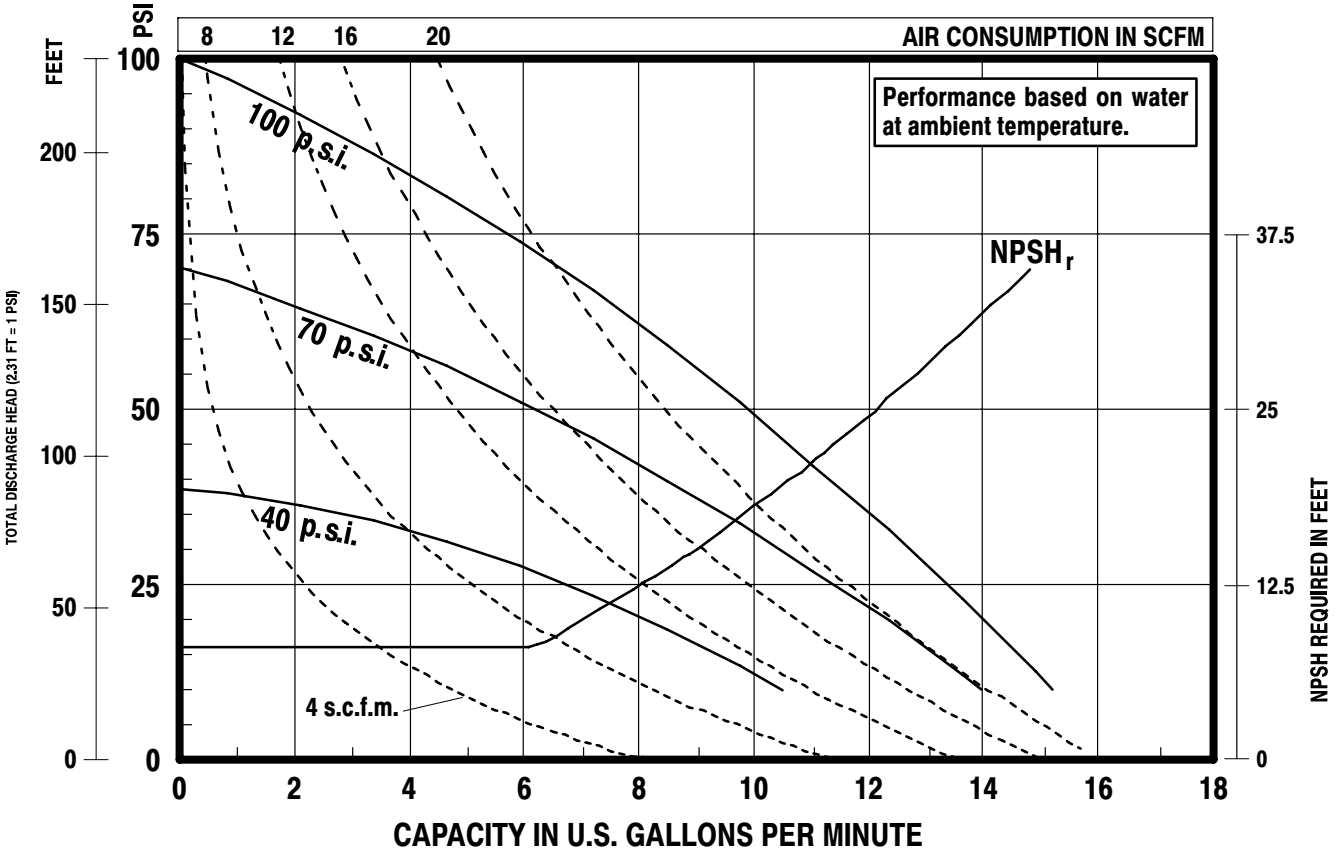
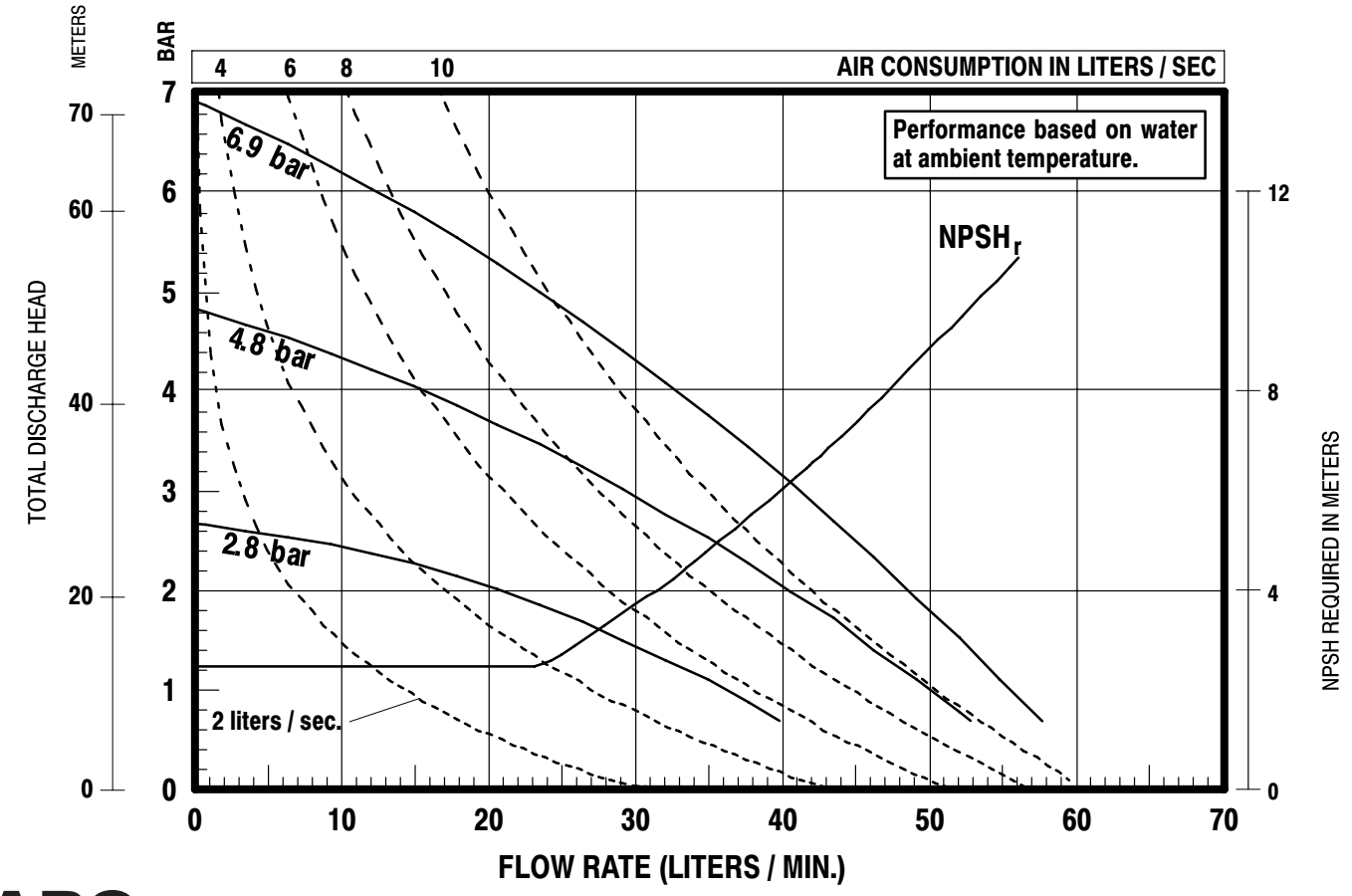
PERFORMANCE CURVES

PD07P-XPS-PXX 3/4" NON-METALLIC DIAPHRAGM PUMP





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