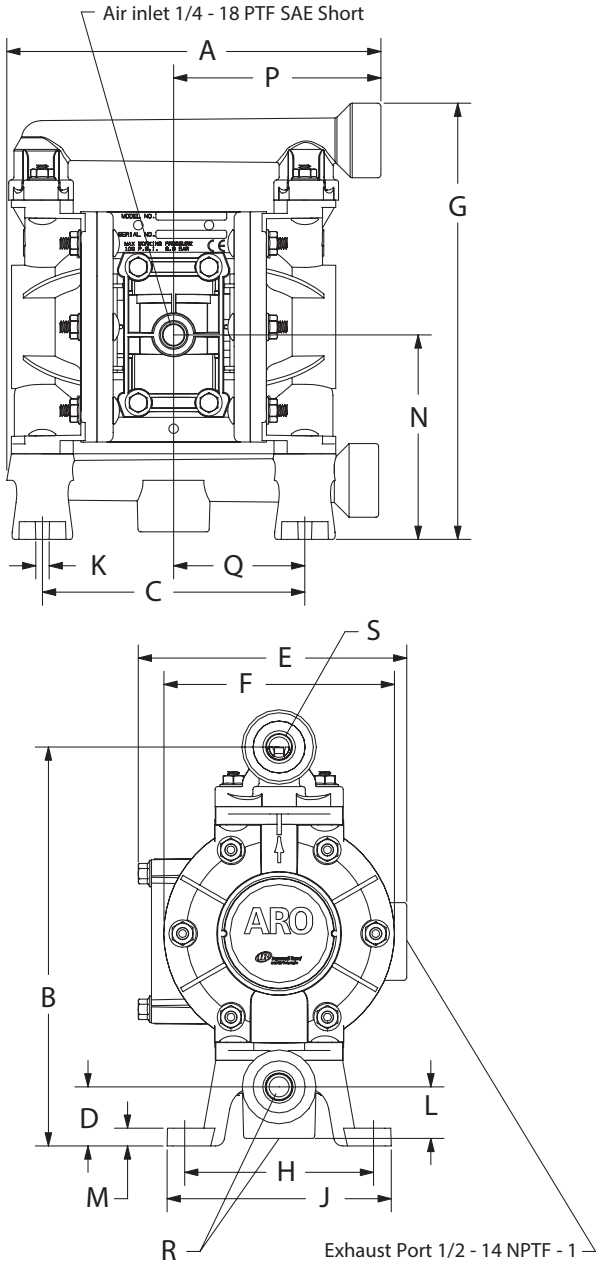
SALES AND ENGINEERING DATA

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

PD03P-XXS-XXX AND PE03P-XXS-XXX
3/8" NON-METALLIC DIAPHRAGM PUMP

RELEASED: 2-17-06
REVISED: 12-17-21
(REV. H) S-1386

DIMENSIONAL DATA



DIMENSIONS

A - 7-31/32" (202.3 mm)	F - 4-31/32" (125.6 mm)	L - 1-3/32" (27.8 mm)
B - 8-17/32" (216.1 mm)	G - 9-5/16" (236.2 mm)	M - 3/8" (9.6 mm)
C - 5-5/8" (142.7 mm)	H - 4-1/16" (102.7 mm)	N - 4-3/8" (111.0 mm)
D - 1-9/32" (32.1 mm)	J - 4-13/16" (121.9 mm)	P - 4-13/32" (110.5 mm)
E - 5-23/32" (145.2 mm)	K - 9/32" (7.2 mm)	Q - 2-13/16" (71.4 mm)

Model	"R" Material Inlet	"S" Material Outlet
PX03P-AXS-XXX	3/8 - 18 NPTF - 1	3/8 - 18 NPTF - 1
PX03P-BXS-XXX	Rp 3/8 (3/8 - 19 BSP)	Rp 3/8 (3/8 - 19 BSP)

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

SPECIFICATIONS

Model Series PD03P-XXS-XXX
PE03P-XXS-XXX
Pump Type ..... Non-Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX03P-AXS-XXX ..... 3/8 - 18 NPTF - 1
PX03P-BXS-XXX ..... Rp 3/8 (3/8 - 19 BSP parallel)
Air Inlet (female) ..... 1/4 - 18 PTF SAE short
Air Exhaust (standard) ..... internal
(optional)(female) ..... 1/2 - 14 NPTF - 1
Weight
PX03P-XDS-XXX ..... 4.16 lbs (1.89 kgs)
PX03P-XES-XXX ..... 4.26 lbs (1.93 kgs)
PX03P-XKS-XXX ..... 4.50 lbs (2.04 kgs)
PX03P-XLS-XXX ..... 4.62 lbs (2.10 kgs)
PX03P-XPS-XXX ..... 3.44 lbs (1.56 kgs)
PX03P-XRS-XXX ..... 3.50 lbs (1.59 kgs)
Air Section Service Kit 637428
Fluid Section Service Kit 637429-XX

PX03P-XXS - X[X][X] - C
637429 - [X][X]
Diaphragm Material
Ball Material

EXAMPLE: Model #PD03P-ARS-SAA
Fluid Section Service Kit is 637429-AA

PERFORMANCE

Air Inlet Pressure Range ..... 10 - 100 psig (0.69 - 6.9 bar)
Maximum Material Inlet Pressure ... 10 psig (0.69 bar)
Fluid Pressure Range ..... 10 - 100 psig (0.69 - 6.9 bar)
Maximum Flow Rate (flooded inlet)
ball check ..... 10.6 gpm (40.1 lpm)
duckbill ..... 8.7 gpm (32.9 lpm)
Displacement / Cycle @ 100 psig
ball check ..... 0.022 gal. (0.083 lit.)
duckbill ..... 0.018 gal. (0.068 lit.)
Maximum Particle Size - ball check .. 1/16" dia. (1.6 mm)
duckbill .... fibers
Maximum Temperature Limits (diaphragm / ball / seat material)
Acetal ..... -20° to 180° F (-29° to 82° C)
E.P.R / EPDM ..... -60° to 280° F (-51° to 138° C)
Hytrel® ..... -20° to 180° F (-29° to 82° C)
Kynar® PVDF ..... 10° to 200° F (-12° to 93° C)
Neoprene ..... 0° to 200° F (-18° to 93° C)
Nitrile ..... 10° to 180° F (-12° to 82° C)
Polypropylene ..... 32° to 175° F (0° 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 psig - 60 cpm ..... 72.7 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.

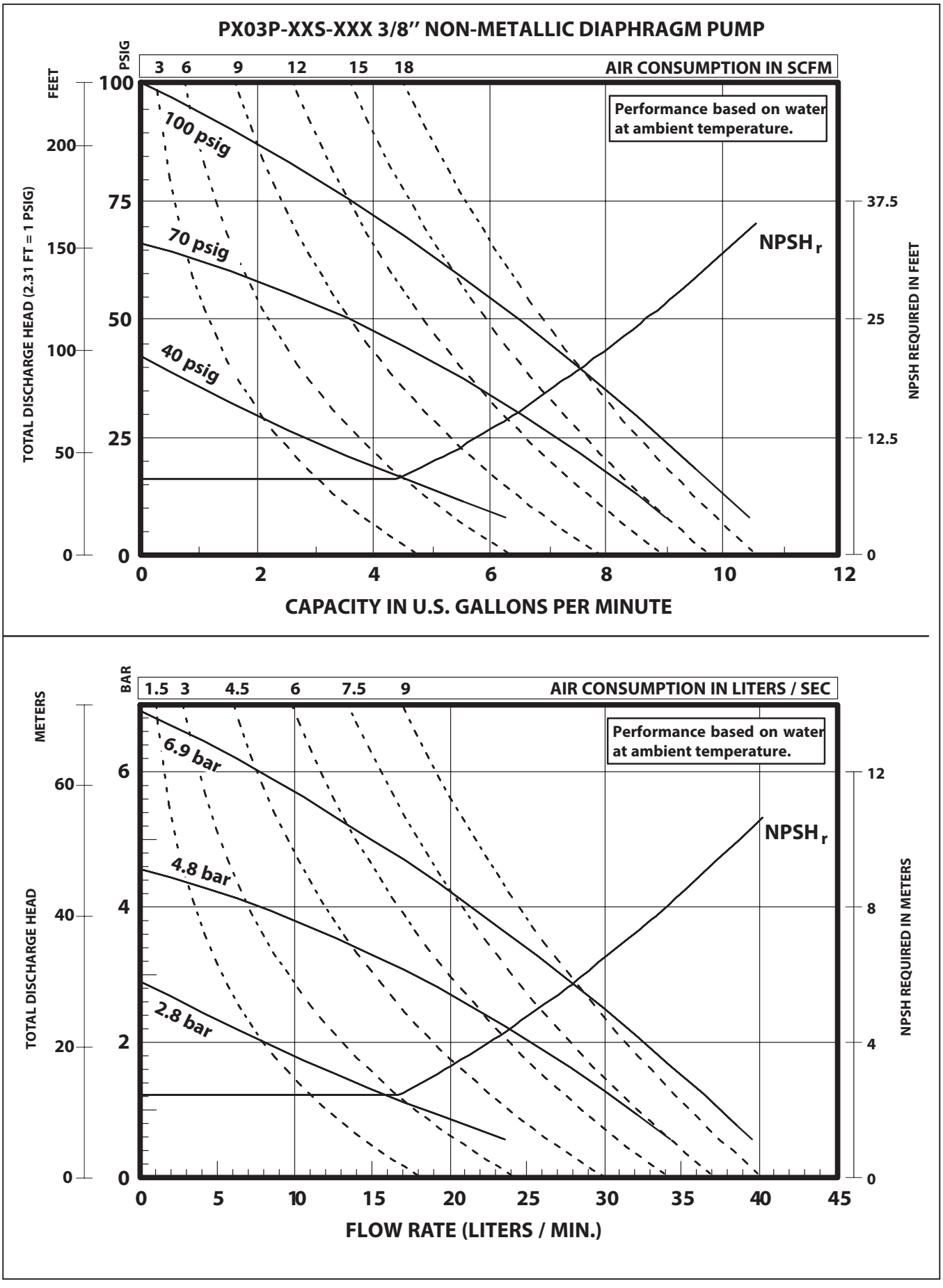
ACCESSORIES:
66073-1 Air Line Connection Kit
76763 Wall Mount Bracket

Dual Inlet/Dual Outlet Kits:
637442-1 (NPT Polypropylene)
637442-2 (NPT Acetal)

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PERFORMANCE CURVES



PERFORMANCE CURVES

PE03P-XXS-XXX-XXEX and PE03P-XXS-XXX-XXFX 3/8" NON-METALLIC DIAPHRAGM PUMP

