

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[] - 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

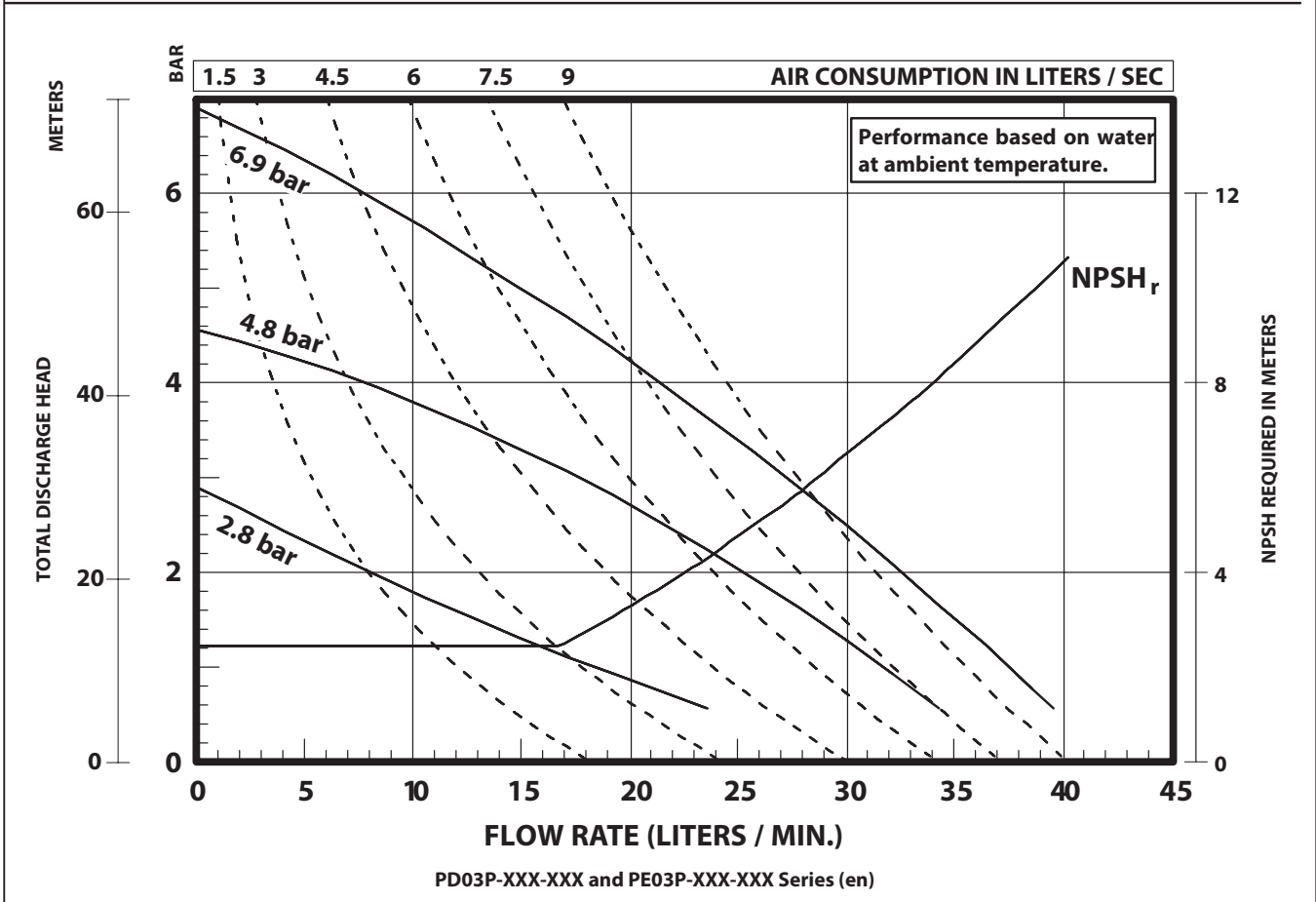
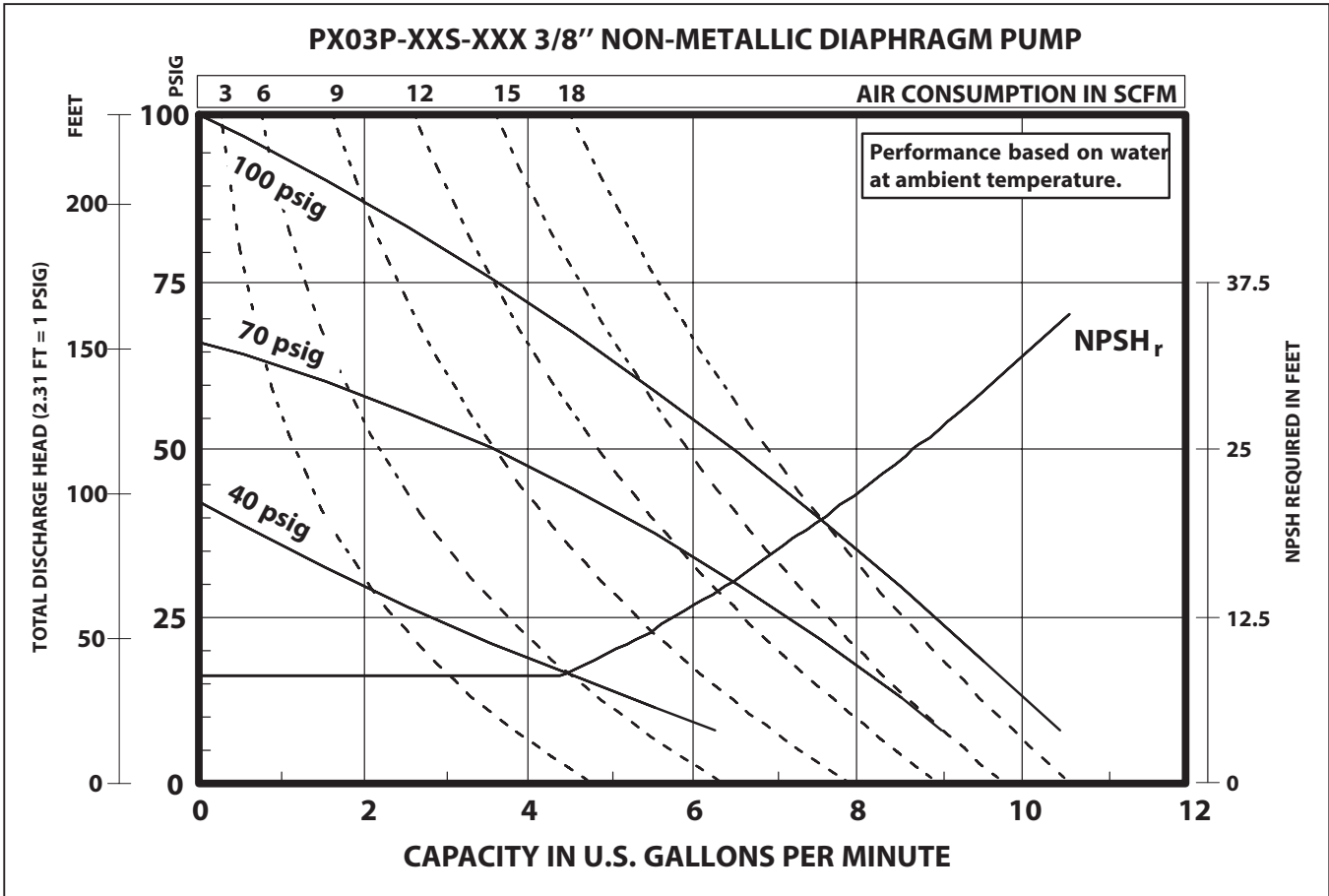
Dual Inlet/Dual Outlet Kits:
637442-1 (NPT Polypropylene)
637442-2 (NPT Acetal)



CCN 1525557



PERFORMANCE CURVES



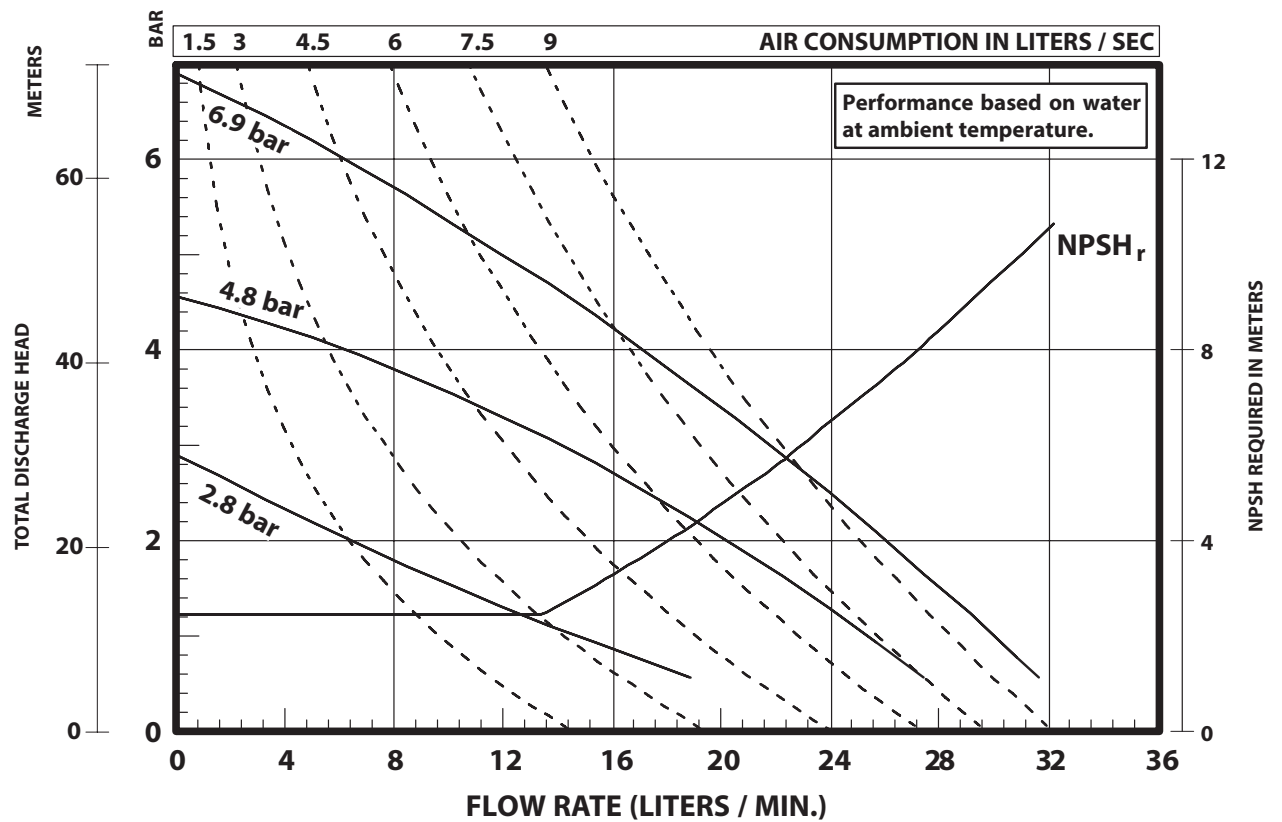
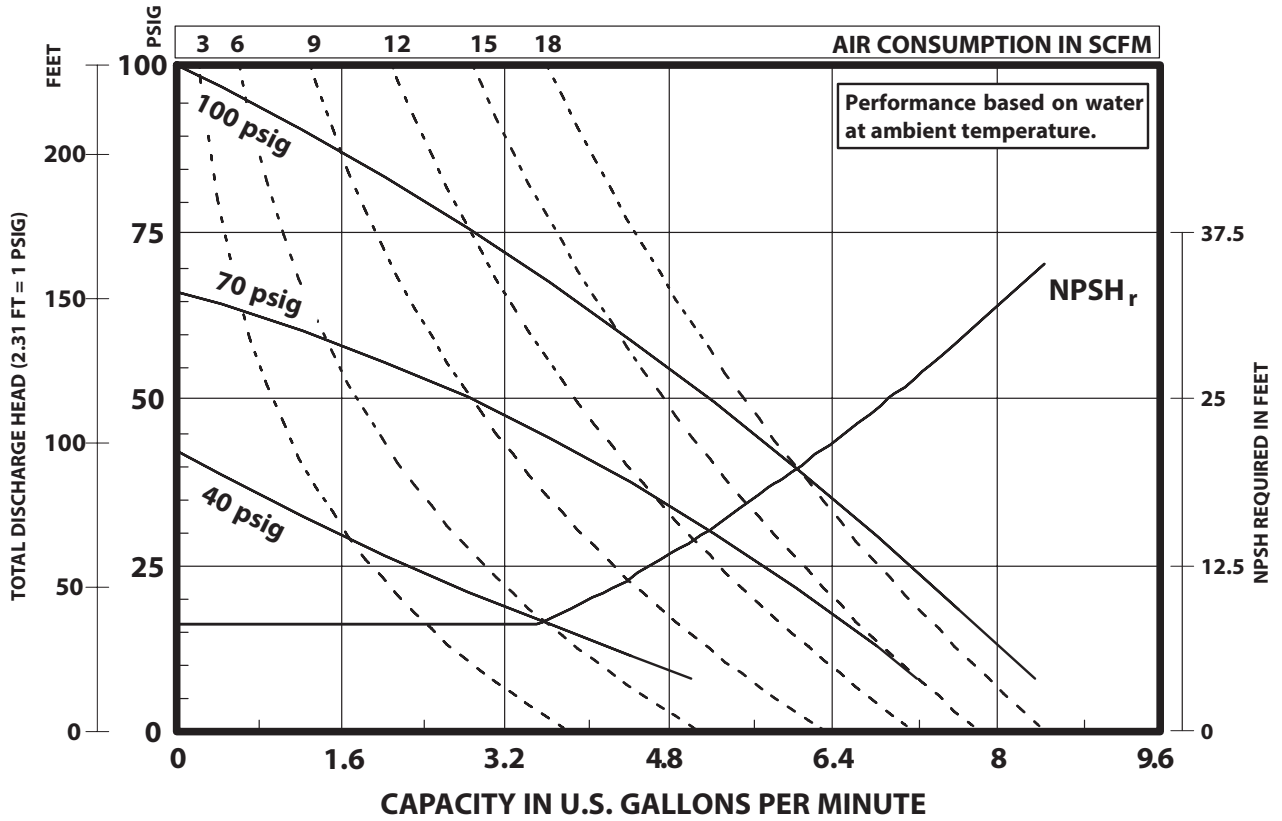
PD03P-XXX-XXX and PE03P-XXX-XXX Series (en)



PUMP SUPPLY INCORPORATED

PERFORMANCE CURVES

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



PD03P-XXX-XXX and PE03P-XXX-XXX Series (en)





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PumpSupplyInc.com

A map showing the outlines of Illinois and Minnesota. A star is placed in the western part of Illinois, and another star is placed in the western part of Minnesota. Below the map is the Pump Supply Incorporated logo, which consists of a blue triangle with 'PS' inside, followed by the text 'PUMP SUPPLY' and 'INCORPORATED' in a spaced-out font.