3/8″ Non-Metallic Models

COMPACT SERIES PUMPS

Part of our Compact Series of pumps, our 3/8″ pumps feature big performance in a small package. They feature flow rates up to 10.6 GPM (40.1 LPM) and a wide range of material and porting configurations.

UPGRADE PUMP FOR REMOTE ACTUATION CAPABILITY

Ratio:	1:1	
Maximum Flow:	10.6 g.p.m. (40.1 l.p.m.) 8.7 (32.9) Flex check	
Displacement per cycle:	0.022 Gallons (0.083-Liters) 0.018 (0.068) Flex check	
Air Inlet: (Female)	1/4 - 18 P.T.F. SAE Short	
Fluid Inlet/Outlet:	3/8 - 18 N.P.T.F. - 1 Rp 3/8 (3/8 - 19 BSP, parallel)	
Max. operating pressure:	100 psi (6.9-bar)	
Suspended solids max. dia.:	1/16-in. (1.6-mm)	Flex check (Fibers)
Weight: lbs (kg)	PD03P-XDS-XXX	4.2 (1.9)
	PD03P-XES-XXX	4.3 (1.9)
	PD03P-XKS-XXX	4.5 (2.0)
	PD03P-XLS-XXX	4.6 (2.1)
	PD03P-XPS-XXX	3.4 (1.6)
	PD03P-XRS-XXX	3.5 (1.6)
Maximum dry suction lift:	ft (m) 9.25 (2.8)	
Sound Level:	70 PSI 60 Cycles/Min 72.7 db(A)	
Muffler:	Integral, Included	



PD03P-APS-PCC



PD03P-ADS-DTT

Ordering

Position	1	2		3	4	5		6	7	8		9	10	11
Example:	PX03	P	-	X	X	S	-	X	X	X	-	B	X	X

Position 1 Model Series	Position 2 Center Section	Position 3 Connections	Position 4 Manifold Material	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material	Position 9
D - Standard E - Remote Actuation Capable	P - Poly-propylene	A - 3/8" N.P.T. B - 3/8" BSP	D - Ground. Acetal (single port)* E - Ground. Acetal (multiple port)* K - PVDF (single port) L - PVDF (multiple port) P - Polypropylene (single port) R - Polypropylene (multiple port)	S - Stainless Steel	D - Acetal K - PVDF P - Poly-propylene S - Stainless Steel 0 - Flex Check	A - Santoprene® C - Hytrel® I - Nitrile N - Neoprene S - Stainless Steel T - PTFE V - Viton®	A - Santoprene® C - Hytrel® G - Nitrile T - PTFE/ Santoprene® V - Viton® * Flex check models	Revision Level **Position 10 & 11 Specialty Code** Fluid control options for pump with electronic interface (PE03 model). See complete description on page 13

* Acceptable for use in hazardous locations. - NEC / CEC: Class I&II, Div 1&2 , Group A-D
- ATEX: Zone 1&2, 21&22

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Accessories

Air Line Connection Kit | 66073-1
(Piggyback Filter/Regulator with gauge, pipe nipple and 5-foot air hose)
Cycle Counter Kit | 66975
Wall Mount Bracket Kit | 67388
Service Repair Kits | 637428 (air section)
637429-XX (fluid section)

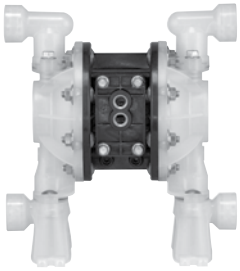


Air Line Connection Kit 66073-1



Wall Mount Bracket Kit 67388

3/8" Non-Metallic Dimensions and Flow Charts



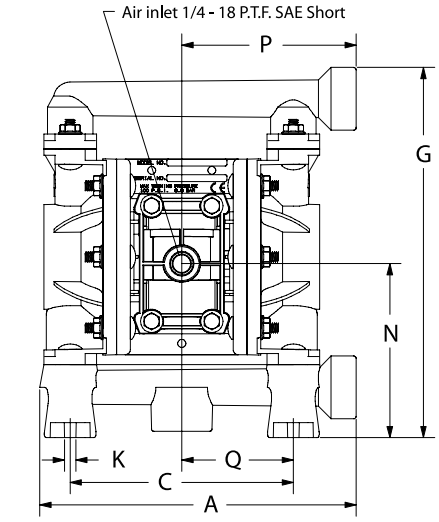
PE03P-APS-PAA-B0S
with 637442-1 Kit

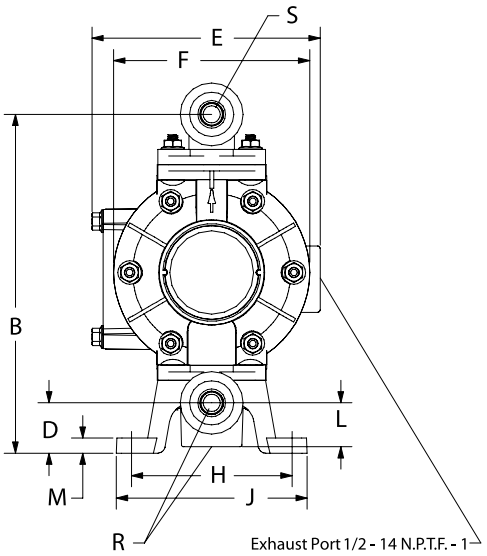
Dual Inlet/Outlet Kits:
637442-1 (N.P.T. Poly)
637442-4 (BSP Poly)
637442-3 (N.P.T. PVDF)
637442-6 (BSP PVDF)
637442-2 (N.P.T. Acetal)
637442-5 (BSP Acetal)

DIMENSIONS

A 7-29/32" (200.2 mm)	F 4-7/8" (123.9 mm)	L 1-3/32" (27.8 mm)
B 8-7/16" (214.3 mm)	G 9-7/32" (234.2 mm)	M 3/8" (9.5 mm)
C 5-9/16" (141.3 mm)	H 4" (101.6 mm)	N 4-11/32" (110.1 mm)
D 1-1/4" (31.8 mm)	J 4-3/4" (120.7 mm)	P 4-11/32" (110.3 mm)
E 5-23/32" (145.2 mm)	K 9/32" (7.1 mm)	Q 2-25/32" (70.6 mm)

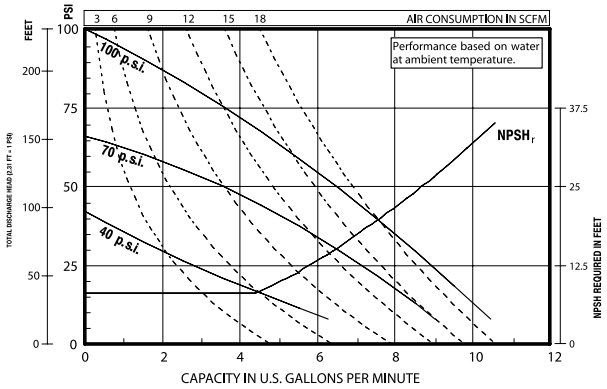
Model	"R" Material Inlet	"S" Material Outlet
PD03P-AXS-XXX	3/8 - 18 N.P.T.F. - 1	3/8 - 18 N.P.T.F. - 1
PD03P-BXS-XXX	Rp 3/8 (3/8 - 19 BSP)	Rp 3/8 (3/8 - 19 BSP)

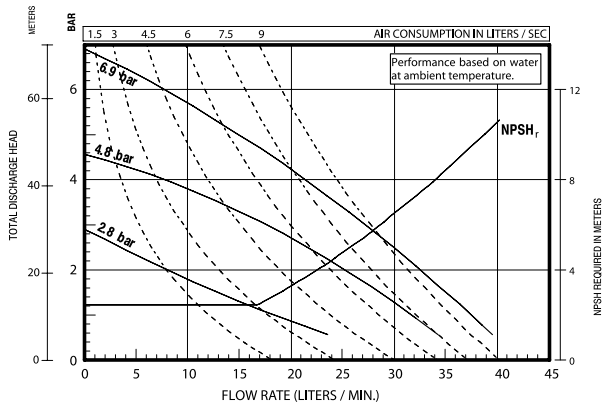




PERFORMANCE CURVES

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





Refer to www.AROzone.com for full size flow curves.
For additional information contact
technical support at 1.800.495.0276

Ordering Position 10

Specialty Code 1 (Blank if no Specialty Code)

A - Solenoid 120VAC
B - Solenoid 12VDC
C - Solenoid 240VAC
D - Solenoid 24VDC
E - 12vDC NEC/CEC*
F - 24vDC NEC/CEC*
G - Solenoid 12VDC ATEX/IECex*
H - Solenoid 24VDC ATEX/IECex*
J - 120VAC NEC/CEC*
K - Solenoid 220VAC ATEX/IECex*
N - Solenoid with no coil
0 - Standard Valve Block (No Solenoid)
P - Ported Motor (No major valve provided)

Ordering Position 11

Specialty Code 2 (Blank if no Specialty Code)

E - End of stroke feedback + Leak Detection
F - End of stroke feedback
G - End of Stroke ATEX/IECex*
H - End of Stroke/Leak Detection ATEX/IECex*
L - Leak Detection
M - Leak Detection ATEX/IECex/NEC/CEC*
O - No Option
R - End of Stroke Feedback NEC / CEC*
T - End of Stroke Feedback + Leak Detection NEC / CEC*

* Acceptable for use in hazardous locations. - NEC / CEC: Class I&II, Div 1&2 , Group A-D
- ATEX: Zone 1&2, 21&22