

# 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<br>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)<br>PD03P-XES-XXX 4.3 (1.9)<br>PD03P-XKS-XXX 4.5 (2.0)<br>PD03P-XLS-XXX 4.6 (2.1)<br>PD03P-XPS-XXX 3.4 (1.6)<br>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<br>Model<br>Series                      | Position 2<br>Center<br>Section | Position 3<br>Connections          | Position 4<br>Manifold<br>Material                                                                                                                                                                                       | Position 5<br>Hardware | Position 6<br>Seat<br>Material                                                               | Position 7<br>Ball<br>Material                                                                                    | Position 8<br>Diaphragm<br>Material                                                                                   | Position 9                                                                                                                                                                                                         |
|----------------------------------------------------|---------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D - Standard<br>E - Remote<br>Actuation<br>Capable | P - Poly-<br>propylene          | A - 3/8"<br>N.P.T.<br>B - 3/8" BSP | D - Ground. Acetal<br>(single port)*<br>E - Ground. Acetal<br>(multiple port)*<br>K - PVDF<br>(single port)<br>L - PVDF<br>(multiple port)<br>P - Polypropylene<br>(single port)<br>R - Polypropylene<br>(multiple port) | S - Stainless<br>Steel | D - Acetal<br>K - PVDF<br>P - Poly-<br>propylene<br>S - Stainless<br>Steel<br>O - Flex Check | A - Santoprene®<br>C - Hytrel®<br>I - Nitrile<br>N - Neoprene<br>S - Stainless<br>Steel<br>T - PTFE<br>V - Viton® | A - Santoprene®<br>C - Hytrel®<br>G - Nitrile<br>T - PTFE/<br>Santoprene®<br>V - Viton®<br><br>* Flex check<br>models | Revision Level<br><br><b>Position<br/>10 &amp; 11<br/>Specialty<br/>Code</b><br><br>Fluid control<br>options for pump<br>with electronic<br>interface (PE03<br>model). See com-<br>plete description<br>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

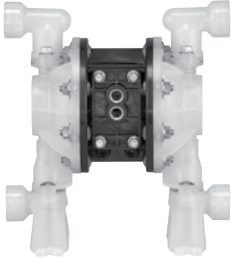
**Service Repair Kits** | 637428 (air section)  
637429-XX (fluid section)



Air Line Connection Kit  
66073-1

Wall Mount Bracket Kit  
67388

## 3/8" Non-Metallic Dimensions and Flow Charts



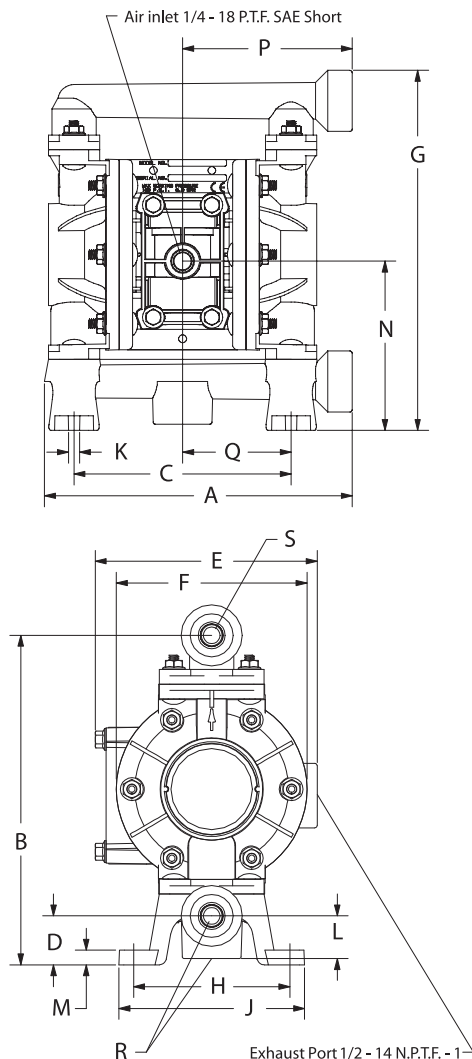
PE03P-APS-PAA-B0S  
with 637442-1 Kit

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)

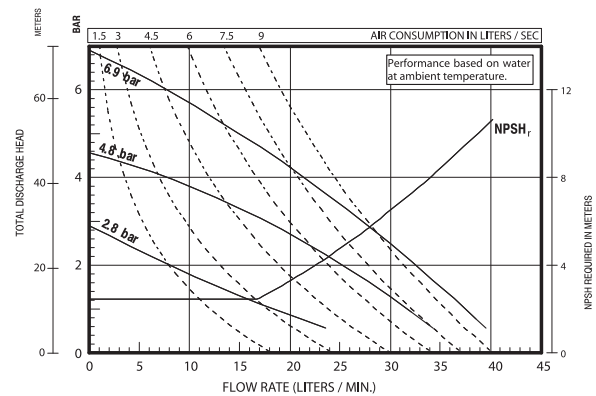
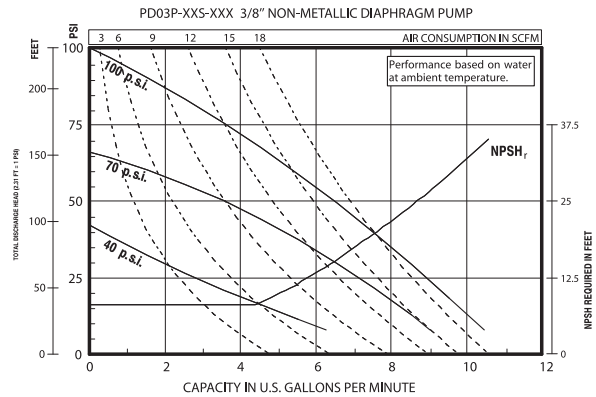
### DIMENSIONS

|                       |                      |                       |
|-----------------------|----------------------|-----------------------|
| 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



Refer to [www.AROzone.com](http://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 | G - Solenoid 12VDC ATEX/IECex*             |
| B - Solenoid 12VDC  | H - Solenoid 24VDC ATEX/IECex*             |
| C - Solenoid 240VAC | J - 120VAC NEC/CEC*                        |
| D - Solenoid 24VDC  | K - Solenoid 220VAC ATEX/IECex*            |
| E - 12vDC NEC/CEC*  | N - Solenoid with no coil                  |
| F - 24vDC NEC/CEC*  | O - 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  | L - Leak Detection                                     |
| F - End of stroke feedback                   | M - Leak Detection ATEX/IECex/NEC/CEC*                 |
| G - End of Stroke ATEX/IECex*                | O - No Option                                          |
| H - End of Stroke/Leak Detection ATEX/IECex* | 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