

# 2" Non-Metallic Models

## EXP SERIES PUMPS

ARO® EXP 2" non-metallic pumps achieve flow rates of up to 184 GPM (696.4 LPM) and offer a wide array of material and porting configurations. 2" non-metallic pumps are often used for transfer, filling, recirculation and batching in Chemical, Industrial and Water/Wastewater treatment markets.

**UPGRADE**  
PUMP FOR REMOTE  
ACTUATION CAPABILITY

|  |  |
|--|--|
| Ratio:                                   | 1:1  |
| Maximum GPM (LPM):                       | 184 (696)                                      |
| Displacement per cycle Gallons (Liters): | 1.4 (5.3)                                      |
| Air Inlet (Female):                      | 3/4 - 14 N.P.T.                                |
| Fluid Inlet/Outlet:                      | 2" A.N.S.I./DIN flange (side)                  |
| Max. operating pressure psi (bar):       | 120 (8.3)                                      |
| Suspended solids max. dia. in. (mm):     | 1/4" (6.4)                                     |
| Weight lbs (kg):                         | Polypropylene 85.3 (38.7)<br>PVDF 110.9 (50.3) |
| Maximum dry suction lift ft (m):         | 14 (4.2)                                       |
| Sound Level:                             | 70 PSI 60 Cycles/Min 85.0 db(A)                |
| Muffler Included:                        | 93139  |



### Ordering

| Position        | 1           | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       |          |          |          |
|-----------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Example:</b> | <b>PX20</b> | <b>X</b> | <b>-</b> | <b>F</b> | <b>X</b> | <b>S</b> | <b>-</b> | <b>X</b> | <b>X</b> | <b>X</b> | <b>-</b> | <b>B</b> | <b>X</b> | <b>X</b> |

| Position 1<br>Model<br>Series                                       | Position 2<br>Center<br>Section                   | Position 3<br>Connections         | Position 4<br>Wetted<br>Parts  | Position 5<br>Hardware | Position 6<br>Seat<br>Material | Position 7<br>Ball<br>Material  | Position 8<br>Diaphragm<br>Material   | Position 9   |
|---|---|-----------------------------------|--|------------------------|--------------------------------|---|---|--|
| PD20 - Standard Pump<br>PE20 - Electronic Interface Accessible Pump | E - Conductive Polypropylene<br>P - Polypropylene | F - 2" A.N.S.I./DIN Flange (Side) | E - Conductive Polypropylene*<br>K - PVDF<br>N - Conductive PVDF*<br>P - Polypropylene | S - SS                 | K - PVDF<br>P - Polypropylene  | A - Santoprene®<br>C - Hytrel®<br>G - Nitrile<br>T - PTFE<br>V - Viton® | A - Santoprene®<br>C - Hytrel®<br>G - Buna-N<br>L - Long-Life PTFE<br>M - Medical Grade Santoprene®<br>T - PTFE/Santoprene®<br>V - Viton® | Revision Level<br><b>Position 10 &amp; 11<br/>Specialty Code</b><br>Fluid control options for pump with electronic interface (PE20 model). See complete description on page 25 |

\* 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 | 66109**

(Piggyback Filter/Regulator with gauge, pipe nipple and 5-foot air hose)

**Diaphragm Failure Detection | Kit No.67237**

**Cycle Counter Kit | 66350**

**Cycle Sensor Kit | 67350-1(PE20X pump model is required)**

**Service Repair Kits | 637369 (air motor for PX20P), 637373-XXX (fluid section with seats), 637374-X (major air valve assembly)**

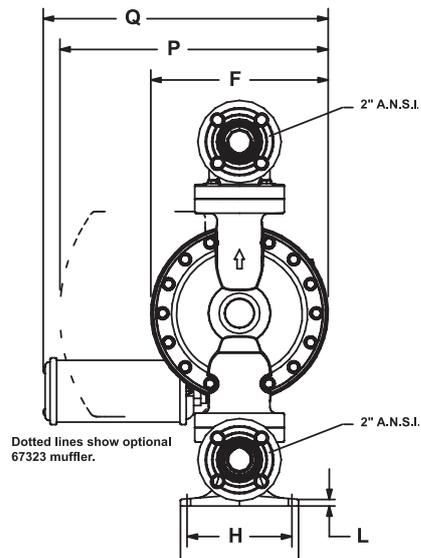
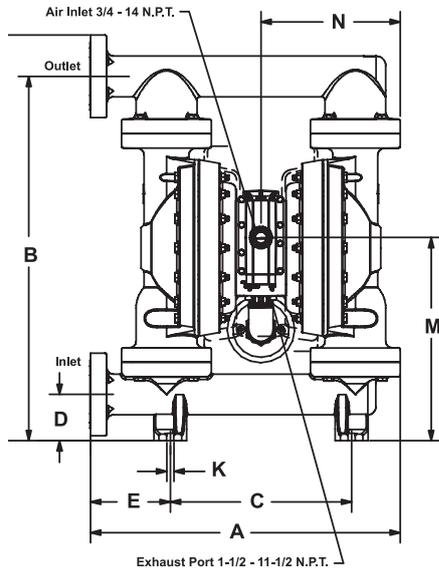
**Continuous-Duty Muffler | 67323** Recommended for continuous-duty and high-flow applications. Muffler features large expansion chamber, permitting cold exhaust air to exit pump

**Flange Connection Kit | 67341-E20N**

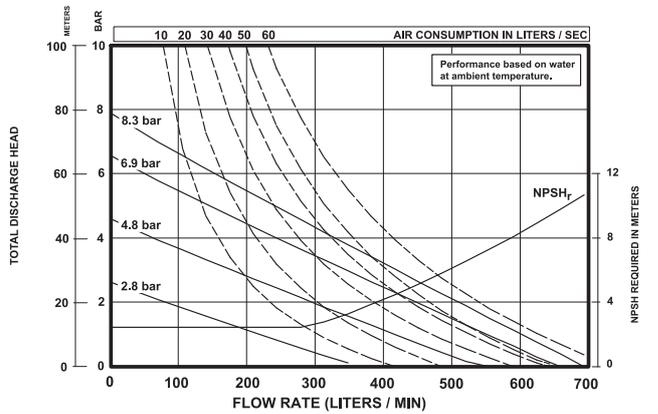
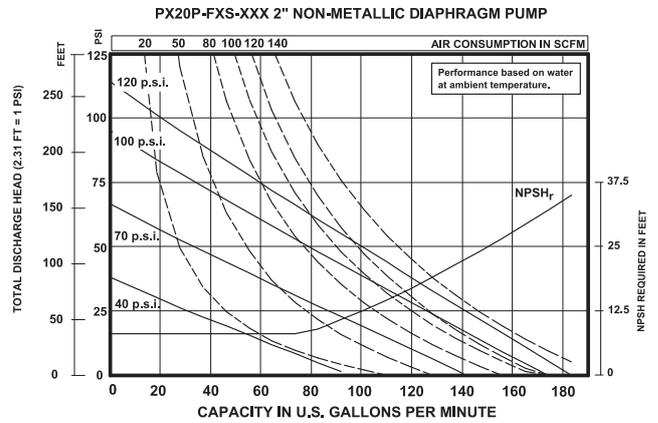


67323  
Continuous Duty  
Muffler

## 2" Non-Metallic Dimensions and Flow Charts



- |                         |                         |
|-------------------------|-------------------------|
| A - 24-3/16" (614.3mm)  | F - 13-7/8" (352.0mm)   |
| B - 28-21/32" (728.0mm) | G - 31-29/32" (810.5mm) |
| C - 14-5/32" (360.0mm)  | H - 8-3/16" (207.8mm)   |
| D - 3-5/8" (92.2mm)     | J - 9-7/32" (234.2mm)   |
| E - 6-1/4" (158.3mm)    | K - 9/16" (14.3mm)      |
| L - 1/2" (12.7mm)       |                         |
| M - 16" (405.9mm)       |                         |
| N - 10-7/8" (276.2mm)   |                         |
| P - 20-31/32" (532.2mm) |                         |
| Q - 22-9/32" (565.5mm)  |                         |



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* |

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- ATEX: Zone 1&2, 21&22