

1-1/2" Non-Metallic Models

EXP SERIES PUMPS

ARO® 1-1/2" non-metallic diaphragm pumps are frequently used in transfer, filling, recirculation and supply in chemical, industrial and water/wastewater treatment markets. Our 1-1/2" models achieve flow rates of up to 123.1 GPM (465.9 LPM) and also offer a diverse selection of material and porting configurations.

UPGRADE
PUMP FOR REMOTE
ACTUATION CAPABILITY

Ratio:	1:1
Maximum GPM (LPM):	123 (465)
Displacement per cycle Gallons (Liters):	0.617 (2.34)
Air Inlet (Female):	1/2 - 14 N.P.T.
Fluid Inlet/Outlet:	1-1/2" ANSI/DIN hybrid flange (side or center)
Max. operating pressure psi (bar):	120 (8.3)
Suspended solids max. dia. in. (mm):	1/4" (6.4)
Weight lbs (kg):	Polypropylene, Side Ported 42.6 (19.3) PVDF, Side Ported 63.9 (29) Polypropylene, Center Ported 42.3 (19.2) PVDF, Center Ported 55.9 (25.3)
Maximum dry suction lift ft (m) :	14 (4.2)
Sound Level:	70 PSI 60 Cycles / Min 81.0 db(A)
Muffler Included:	93139



Ordering

Position	1	2	3	4	5	6	7	8	9	10	11			
Example:	PX15	X	-	X	X	S	-	X	X	X	-	A	X	X

Position 1 Model Series	Position 2 Center Section	Position 3 Connections	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material	Position 9
PD15 - Standard Pump PE15 - Electronic Interface Accessible Pump	E - Conductive Polypropylene P - Polypropylene	F - 1-1/2" ANSI/DIN Hybrid Side Flange Y - 1-1/2" ANSI/DIN Hybrid Center Flange	E - Conductive Polypropylene* K - PVDF P - Polypropylene	S - SS	H - 440 SS (Hard) K - PVDF P - Polypropylene S - 316 SS	A - Santoprene® C - Hytrel® G - Nitrile S - 316 SS T - PTFE V - Viton®	A - Santoprene® C - Hytrel® G - Buna-N L - Long-Life PTFE T - PTFE/Santoprene® V - Viton®	Revision Level Position 10 & 11 Specialty Code Fluid control options for pump with electronic interface (PE15 model). See complete description on page 23

* 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 | 66084-1

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

Diaphragm Failure Detection | 67237

Service Repair Kits | 637389 (air motor for PX15P), 637391-XXX (fluid section with seats), 637390-X (major air valve assembly)

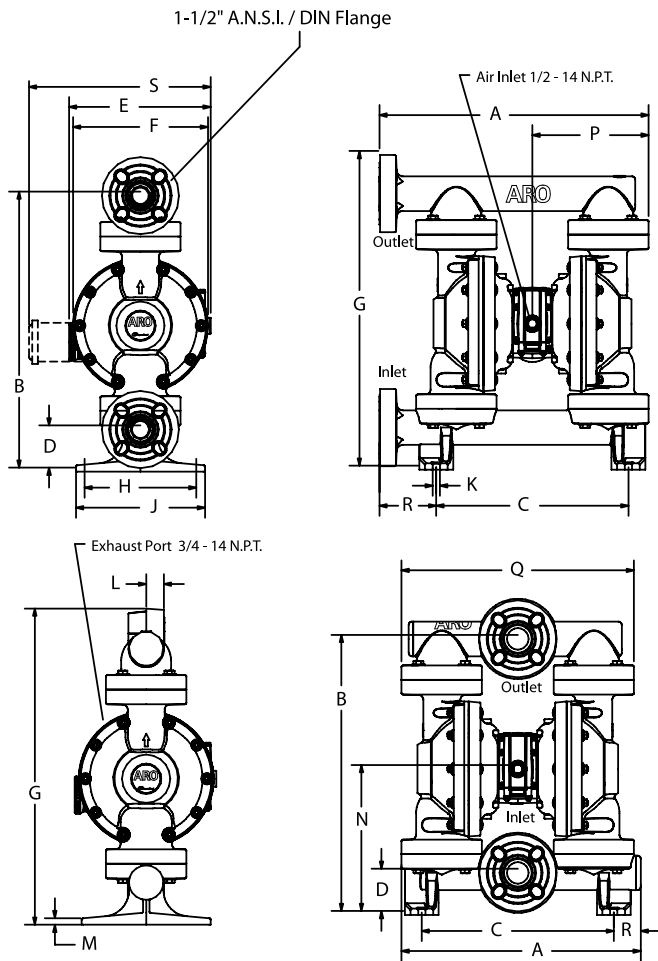
Flange Connection Kit | 67341-E15N (side flange), 67341-C15N (center flange)

Use with non-metallic EXP pumps with the flange manifold option



Flange Connection Kit

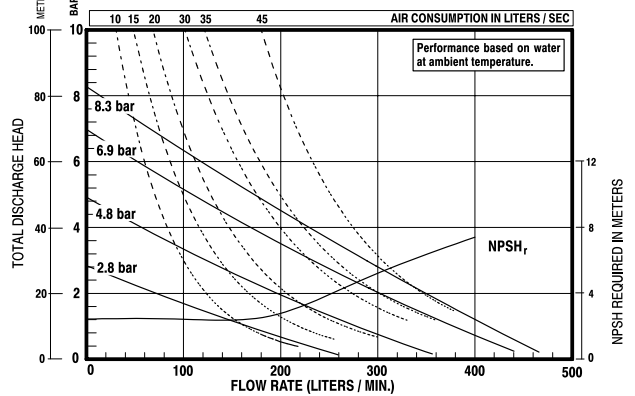
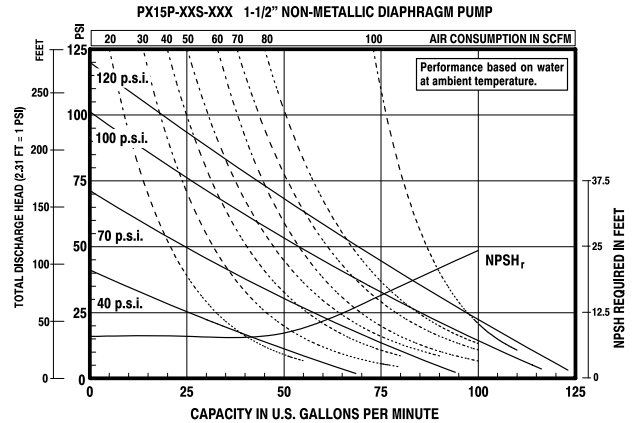
1-1/2" Non-Metallic Dimensions and Flow Charts



- | | | |
|--------------------------|-------------------------|------------------------|
| A - see below | G - see below | N - 11-3/8" (288.4 mm) |
| B - 21-15/32" (545.3 mm) | H - 8-11/16" (220.7 mm) | P - 9-1/32" (229.5 mm) |
| C - 14-15/16" (379.4 mm) | J - 10-1/32" (254.8 mm) | Q - see below |
| D - 3-9/32" (83.3 mm) | K - 9/16" (14.3 mm) | R - see below |
| E - see below | L - see below | S - see below |
| F - 10-1/2" (266.3 mm) | M - 17/32" (13.0 mm) | |

- | | |
|--|---|
| PX15P- EX S-XXX
(End Flange) | PX15P- XS S-XXX
(Center Flange) |
| A - 20-15/16" (531.6 mm) | 18-19/32" (472.3 mm) |
| G - 24-15/32" (621.5 mm) | 24-19/32" (624.5 mm) |
| L - ----- | 1-3/8" (34.9 mm) |
| Q - ----- | 18-3/32" (459.0 mm) |
| R - 4-7/16" (112.4 mm) | 2-3/32" (53.1 mm) |

- | | | |
|---------------|----------------|------------------------|
| PX15E-XXX-XXX | "E" ----- | "S" 14-1/8" (358.5 mm) |
| PX15P-XXX-XXX | 11" (279.5 mm) | ----- |



Performance based on an elastomeric fitted pump, flooded suction with water at ambient conditions. Due to varying materials of construction, assembly configurations and operating conditions, published data is for reference only

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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