



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.

Ratio:	1:1
Maximum GPM (LPM):	184 (696) Side Ports 166 (628) Center Ports
Displacement per cycle Gallons (Liters):	1.4 (5.3)
Air Inlet (Female):	3/4 - 14 N.P.T.
Fluid Inlet/Outlet:	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 85.3 (38.7) Polypropylene, Center Ported 91 (41.2) PVDF, Side Ported 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
Example:	PX20	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
PD20 - Standard Pump PE20 - Electronic Interface Accessible Pump	E - Conductive Polypropylene P - Polypropylene	F - 2" ANSI/DIN Hybrid Side Flange Y - 2" ANSI/DIN Hybrid Center Flange† † Polypropylene Pump Only	E - Conductive Polypropylene* K - PVDF N - Conductive PVDF* P - Polypropylene	S - SS	K - PVDF P - Polypropylene	A - Santoprene® C - Hytrel® G - Nitrile 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 (PE20 model). See complete description on next page

* 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

Service Repair Kits | 637369 (air motor for PD20P), 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



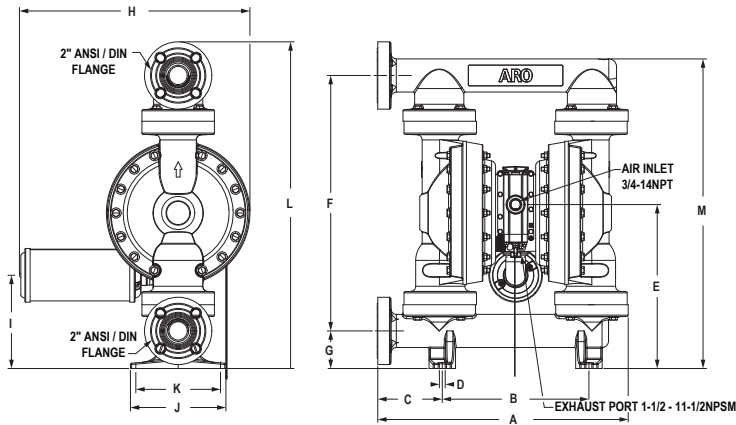
67323

Continuous Duty Muffler

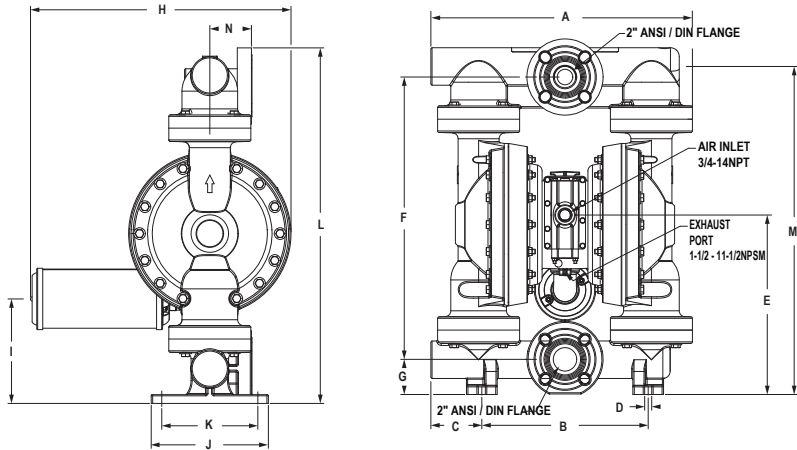


2" Non-Metallic Dimensions and Flow Charts

PX20P-FXS-XXX-AXXX, PX20E-FXS-XXX-AXXX



PX20P-YXS-XXX-AXXX



DIMENSIONS

PX20P-FXS-XXX-AXXX	A - 24.42" (620 mm)	D - 0.56" (14 mm)	G - 3.66" (93 mm)	J - 9.31" (236 mm)	M - 30.19" (767 mm)
PX20E-FXS-XXX-AXXX	B - 14.30" (363 mm)	E - 15.99" (406 mm)	H - 22.48" (571 mm)	K - 8.26" (210 mm)	
	C - 6.29" (160 mm)	F - 24.91" (633 mm)	I - 9.09" (231 mm)	L - 31.86" (809 mm)	
PX20P-YXS-XXX-AXXX	A - 22.32" (567 mm)	D - 0.60" (15 mm)	G - 3.00" (76 mm)	J - 10.00" (254 mm)	M - 27.99" (711 mm)
	B - 14.20" (361 mm)	E - 15.31" (389 mm)	H - 22.23" (565 mm)	K - 8.20" (208 mm)	N - 3.55" (90 mm)
	C - 4.35" (110 mm)	F - 24.09" (612 mm)	I - 8.91" (226 mm)	L - 30.34" (771 mm)	

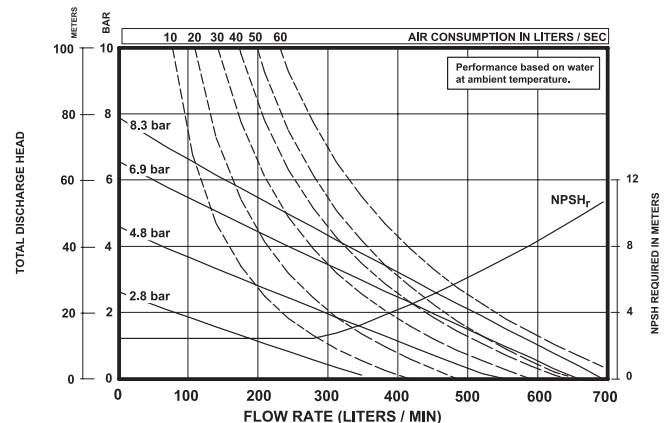
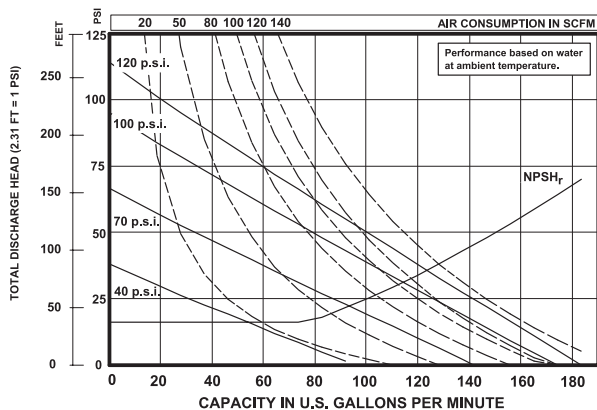
Ordering Position 10 Specialty Code 1 (Blank if no Specialty Code)

- 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
- 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
- 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*

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- ATEX: Zone 1&2, 21&22



Performance based on an elastomeric fitted pump (PX20P-FXS-XXX), flooded suction with water at ambient conditions. Due to varying materials of construction, assembly configurations and operating conditions, published data is for reference only