1″ Non-Metallic Models

EXP SERIES PUMPS

ARO® EXP 1″ non-metallic diaphragm pumps are a versatile solution for numerous applications. Our EXP 1″ models achieve flow rates of up to 53 GPM (200.6 LPM) and offer a wide array of material and porting configurations. These pumps are often used for transfer, filling, recirculation and supply in chemical, industrial and water/wastewater treatment markets.

Ratio:	1:1	
Maximum GPM (LPM):	53 (200)	
Displacement per cycle Gallons (Liters):	0.226 (0.86)	
Air Inlet (Female):	1/4 - 18 N.P.T.	
Fluid Inlet/Outlet:	1 - 11-1/2 N.P.T.F., Rp1(1-11 BSP) 1″ A.N.S.I./DIN flange (side or center)	
Max. operating pressure psi (bar):	120 (8.3)	
Suspended solids max. dia. in.(mm):	1/8″ (3.2)	
Weight lbs (kg):	Polypropylene, Threaded Port	19.35 (8.78)
	Polypropylene, Center Ported	19.59 (8.89)
	Polypropylene, Side Ported	19.87 (9.01)
	PVDF, Threaded Port	25.83 (11.72)
	PVDF, Center Ported	26.72 (12.12)
	PVDF, Side Ported	27.15 (12.32)
Maximum dry suction lift ft(m) :	19 (5.7)	
Sound Level:	70 PSI 60 Cycles/Min 79.7 db(A)	
Muffler Included:	93110	



Ordering

Position	1	2		3	4	5		6	7	8		9	10	11
Example:	PX10	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
PD10 - Standard Pump PE10 - Electronic Interface Accessible Pump	E - Conductive Polypropylene P - Polypropylene	A - NPTF Thread B - BSP Thread F - 1″ A.N.S.I./DIN Flange (Side) Y - 1″ A.N.S.I./DIN Flange (Center)	E - Conductive Polypropylene* K - PVDF N - Conductive PVDF* P - Polypropylene	S - SS	H - 440 SS (Hard) K - PVDF P - Poly-propylene S - 316 SS	A - Santoprene® C - Hytrel® G - Nitrile T - PTFE V - Viton®	A - Santoprene® C - Hytrel® G - Buna-N L - Long-Life PTFE M - Med. Grade Santoprene® 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 page 21

* 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| 66073-2
(Piggyback Filter/Regulator with gauge, pipe nipple and 5-foot air hose)

Diaphragm Failure Detection | 67237
ARO® Diaphragm Failure Detection is a simple, cost-effective way to get your pumps wired for preventive maintenance. (PE10X pump model is required)

Cycle Counter Kit | 66350

Cycle Sensor Kit | 67350

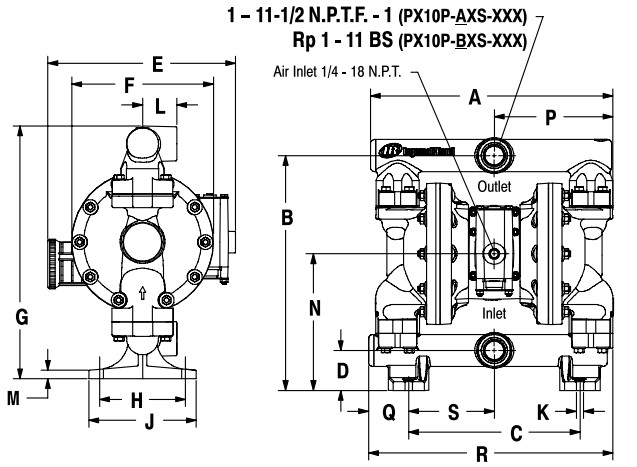
Service Repair Kits | 637397 (air motor for PX10P), 637396-XXX (fluid section with seats), 637395-X (major air valve assembly)

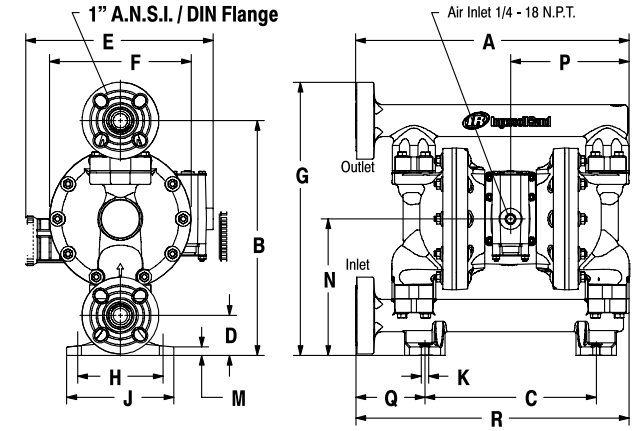
Flange Connection Kits | 67341-E10N (side flange), 67341-C10N (center flange)
Use with non-metallic EXP pumps with the flange manifold option

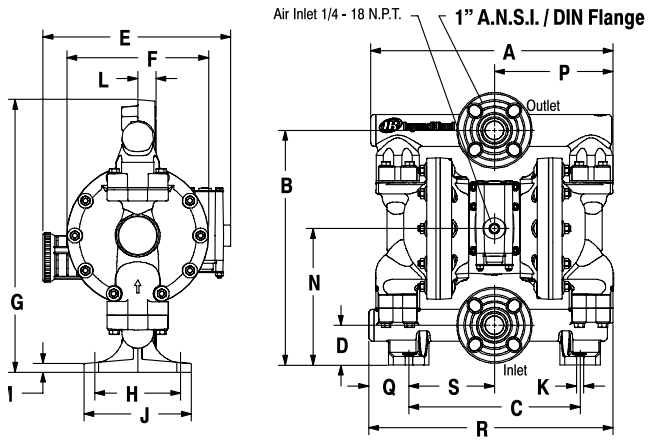


Flange Connection Kit

1" Non-Metallic Dimensions and Flow Charts



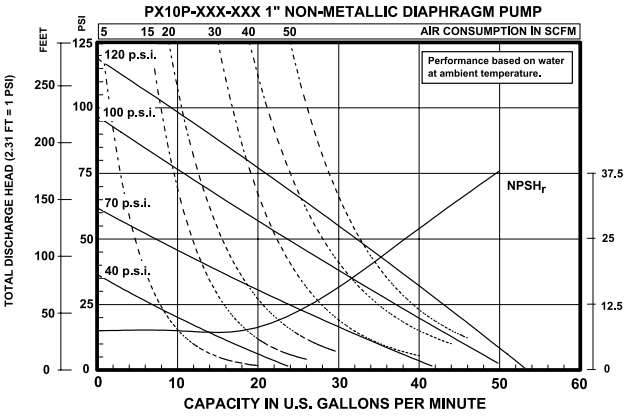


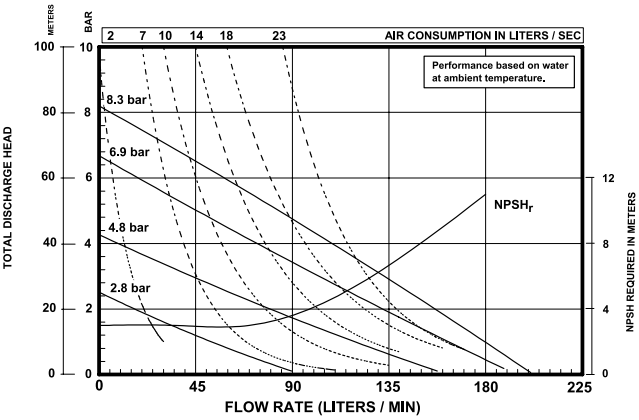


DIMENSIONS

A - see below	G - see below	N - 8-1/32" (203.4 mm)
B - 13-25/32" (349.8 mm)	H - 5-1/32" (127.6 mm)	P - 6-31/32" (176.6 mm)
C - 10-1/16" (255.3 mm)	J - 6-9/32" (159.6 mm)	Q - see below
D - 2-11/32" (59.4 mm)	K - 7/16" (11.1 mm)	R - see below
E - 11-1/32" (279.5 mm)	L - see below	S - 5-1/32" (127.6 mm)
F - 8-5/16" (211.1 mm)	M - 1/2" (12.7 mm)	

	PX10P-AXS-, -BXS- (Threaded)	PX10P-FXS-XXX (End Flange)	PX10P-YXS-XXX (Center Flange)
A -	14-7/32" (361.2 mm)	16-1/32" (407.3 mm)	14-7/32" (361.2 mm)
G -	14-27/32" (376.5 mm)	16-1/32" (407.3 mm)	16" (406.3 mm)
L -	2" (50.8 mm)	-----	1-1/32" (25.6 mm)
Q -	2-3/8" (59.7 mm)	4-1/16" (103.0 mm)	2-3/8" (59.7 mm)
R -	14-11/32" (364.0 mm)	16-1/32" (407.3 mm)	14-11/32" (364.0 mm)





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
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