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″ A.N.S.I./DIN 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 Poly-propylene P - Poly-propylene	F - 1-1/2″ A.N.S.I./DIN Flange (Side) Y - 1-1/2″ A.N.S.I./DIN Flange (Center)	E - Conductive Polypropylene* K - PVDF P - Polypropylene	S - SS	H - 440 SS (Hard) K - PVDF P - Poly-propylene 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 M - Medical 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 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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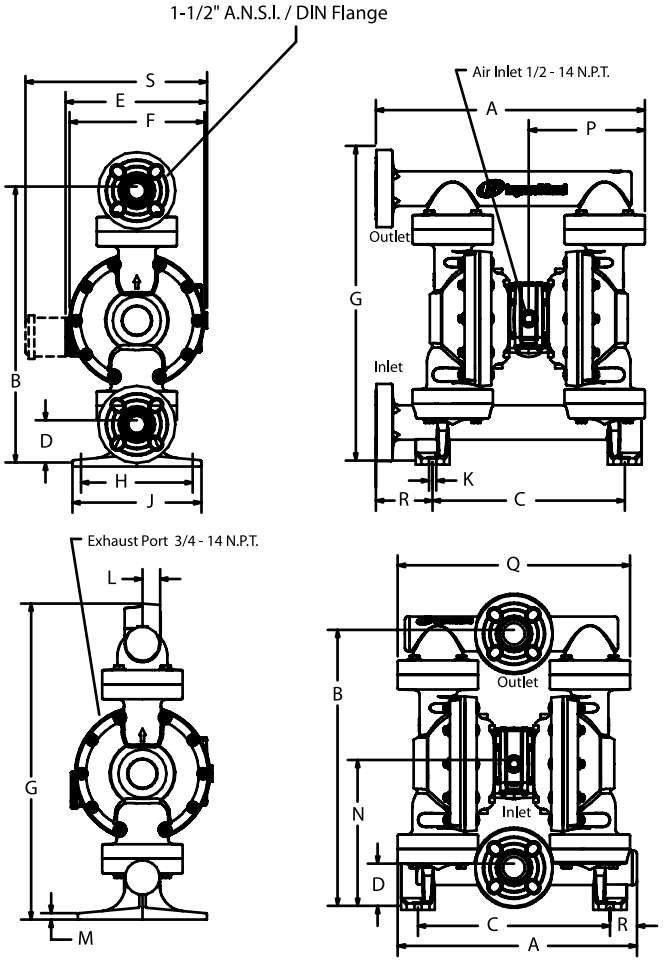
Accessories

Air Line Connection Kit | 66084-1
(Piggyback Filter/Regulator with gauge, pipe nipple and 5-foot air hose)
Diaphragm Failure Detection | 67237
Cycle Counter Kit | Cycle Counter Kit| 66350
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

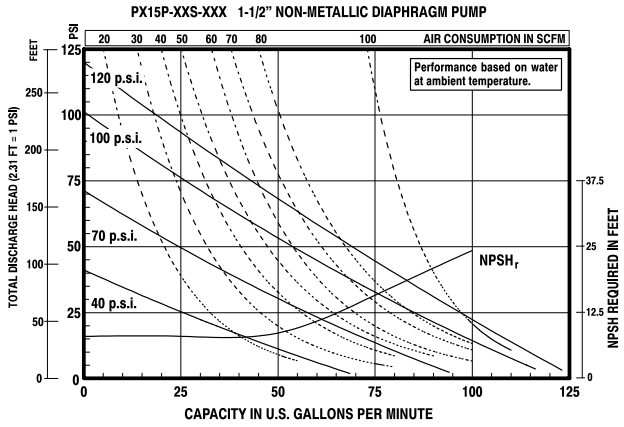
1-1/2" Non-Metallic Dimensions and Flow Charts

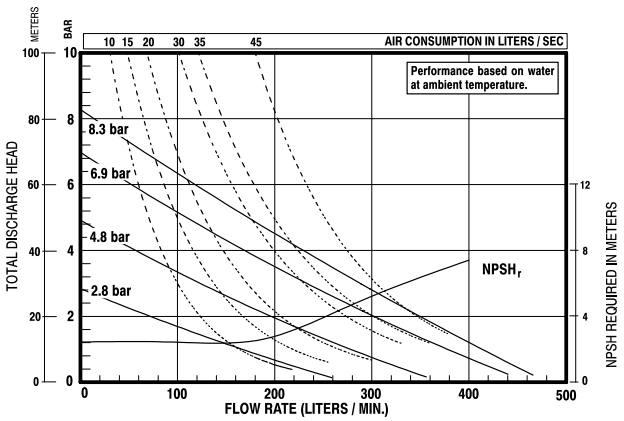


A - see below
B - 21-15/32" (545.3 mm)
C - 14-15/16" (379.4 mm)
D - 3-9/32" (83.3 mm)
E - see below
F - 10-1/2" (266.3 mm)
G - see below
H - 8-11/16" (220.7 mm)
J - 10-1/32" (254.8 mm)
K - 9/16" (14.3 mm)
L - see below
M - 17/32" (13.0 mm)
N - 11-3/8" (288.4 mm)
P - 9-1/32" (229.5 mm)
Q - see below
R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

	PX15P-FXS-XXX (End Flange)	PX15P-YXS-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)

	"E"	"S"
PX15E-XXX-XXX	------	14-1/8" (358.5 mm)
PX15P-XXX-XXX	11" (279.5 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
0 - 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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