3:1 Ratio High Pressure Diaphragm Pump

SPECIALTY PUMP

ARO's pneumatic 3:1 ratio, high pressure diaphragm pumps provide effective flow rates up to 24 gpm (90.7 lpm) at pressures up to 300 psi (20.4 bar). The compact size and footprint makes this a smart choice for a wide variety of markets and OEM's. This pump is useful for feeding filter presses, the transfer of paint, recirculation and high solid coatings, inks, adhesives, filled material, drilling grout, caulking, solvent reclamation and resins.

Ratio:	3:1
Maximum Flow gpm (lpm):	26 (98.4) flooded inlet
	12 (45.6) at 125 psi back pressure
Displacement per cycle gal (l):	.06-Gallons (.23)
Air Inlet (Female):	3/8 - 18 NPTF - 1
Fluid Inlet:	1 - 11-1/2 NPTF - 1
	Rp 1 (1- 11 BSP parallel)
Fluid Outlet:	1 - 11-1/2 NPTF - 1
	Rp 1 (1- 11 BSP parallel)
Max. operating pressure psi (bar):	100 (6.9)
Suspended solids max. dia in (mm):	.125 (3.2)
Weight lbs (kg):	94.73 (42.97)
Maximum dry suction lift ft (m):	5-6 (1.5-1.8)
Sound Level:	70 PSI 60 Cycles/Min 84.5 db(A)

PH10A-ASS-SST

Ordering

Position	1	2		3	4	5		6	7
Example:	PH10	A	-	X	S	S	-	XX	T

Position 1 Base Model	Position 2 Center Section	Position 3 Port Size	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat/Ball Check Material	Position 7 Diaphragm Material
1" Pump	A - Aluminum	A - NPTF Threads B - BSP Threads	S - Stainless Steel	S - Stainless Steel	HH - 440 SS/ 440 SS SS - 316 SS / 316 SS	T - PTFE

Accessories

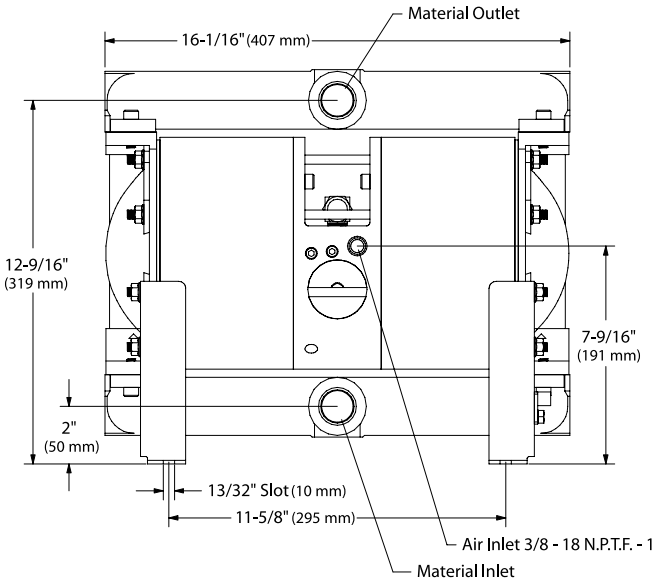
Air Line Filter-Regulator | P39344-614
Piggyback unit with a 5 micron filter, metal bowl with auto drain, sight glass and 0-125-psi gauge.

Service Repair Kits | 637338 (air section)
637339 (PH10X-XXX-XSX fluid section)
637339-1 (PH10X-XXX-XHX fluid section)

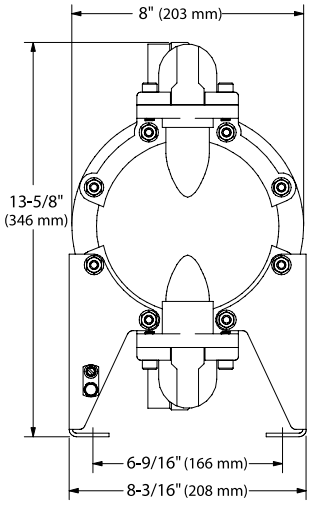
Wall Mount Bracket | 67142

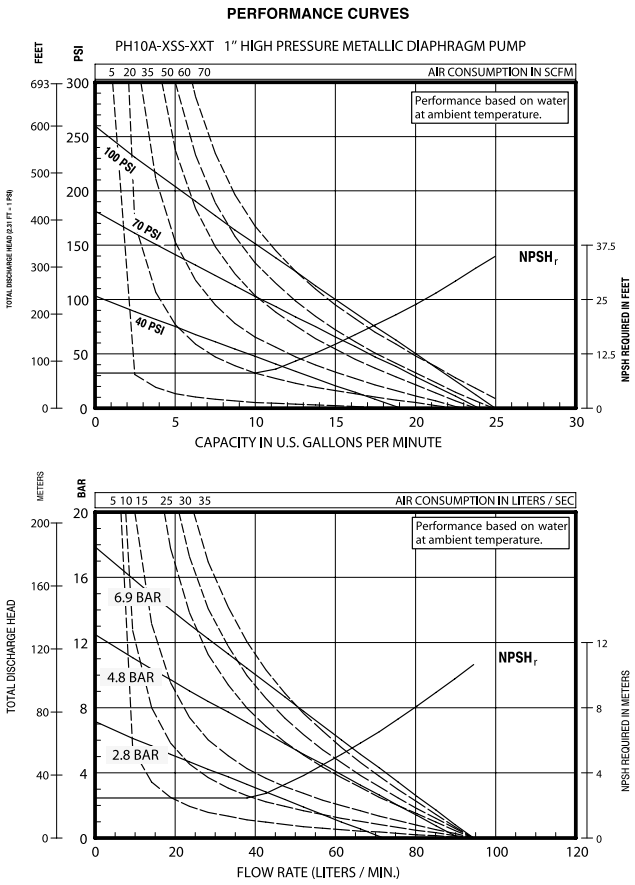
Wall Mount Bracket
67142

High Pressure Diaphragm Pump Dimensions and Flow Charts



	Material Inlet	Material Outlet
PH10A-ASS-XXT	1 - 11-1/2 N.P.T.F. - 1	1 - 11-1/2 N.P.T.F. - 1
PH10A-BSS-XXT	Rp 1 (1 - 11 BSP parallel)	Rp 1 (1 - 11 BSP parallel)





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.