

Technical Specifications

Maximum fluid working pressure	100 psi (0.7 MPa, 7 bar)
Maximum fluid flow	5.0 gpm (18.9 lpm)
Maximum pump speed	
Dry	320 cpm
Wet	250 cpm
Volume per stroke*	0.006 gallon (23 cc)
Volume per cycle*	0.012 gallon (46 cc)
Maximum suction lift dry	8-10 ft. (2.5-3 m)
Maximum size pumpable solids	0.06 in. (1.5 mm)
Maximum operating temperature	180°F (82°C)
Maximum air consumption	9.0 scfm (0.252 m ³ /min)
Air inlet size**	1/4 npt(f) / 1/4 bsp(f)
Fluid inlet size**	1/4 npt(f) / 1/4 bsp(f)
Fluid outlet size**	1/4 npt(f) / 1/4 bsp(f)
Air exhaust port size**	1/4 npt(f) / 1/4 bsp(f)
Weight	
Polypropylene pump	2.0 lbs. (0.9 kg)
Acetal pump	2.5 lbs. (1.1 kg)
Kynar® pump	2.8 lbs. (1.3 kg)
Wetted parts	
Polypropylene pump	glass-filled polypropylene, Teflon®, polypropylene
Acetal pump	acetal with SST fibers, Teflon, acetal
Kynar pump	Kynar®, Teflon, Kynar
Maximum sound power level (per ANSI STD S12.1)	Pressure Intensity
at 100 psi (0.7 MPa, 7 bar)	75.5 dBa 84.5 dBa
at 70 psi (0.49 MPa, 4.9 bar)	72.0 dBa 81.1 dBa
at 40 psi (0.28 MPa, 2.8 bar)	68.2 dBa 76.6 dBa
Instruction manual	308-652

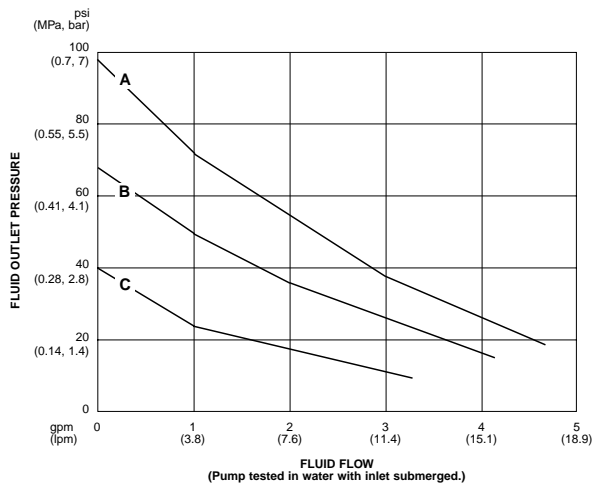


Diaphragm Pumps Ltd
 244 Grindley Lane,
 Blythe Bridge,
 Stoke On Trent. ST11 9LW
 Tel +44 (0) 1782 393939
 Fax +44 (0) 1782 394949
 www.diaphragmpumps.co.uk

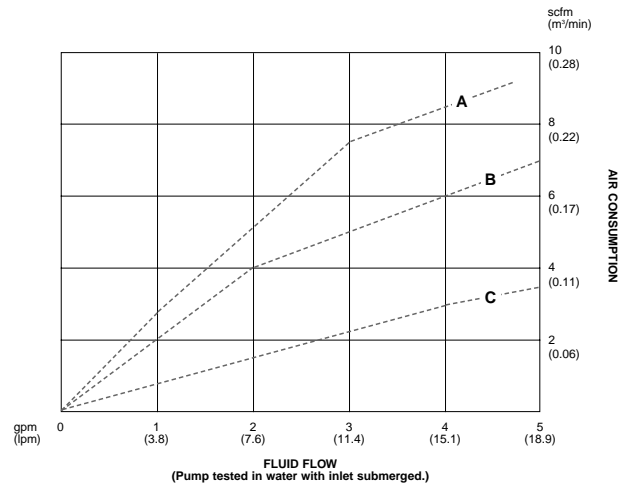


* Volume per cycle and per stroke may vary based on suction condition, discharge head, air pressure, and fluid type.
 ** Hybrid thread allows for either 1/4 npt or 1/4 bsp fitting

Fluid Pressure



Air Consumption



Key:
 — Fluid Outlet Pressure
 - - - - - Air Consumption

Air Pressures:
 A = at 100 psi (0.7 MPa, 7 bar)
 B = at 70 psi (0.48 MPa, 4.8 bar)
 C = at 40 psi (0.28 MPa, 2.8 bar)