

AT06 (1/4")

Sales & Engineering Data Sheet

Non-Metallic - Polypropylene, Acetal & PVDF

Specifications

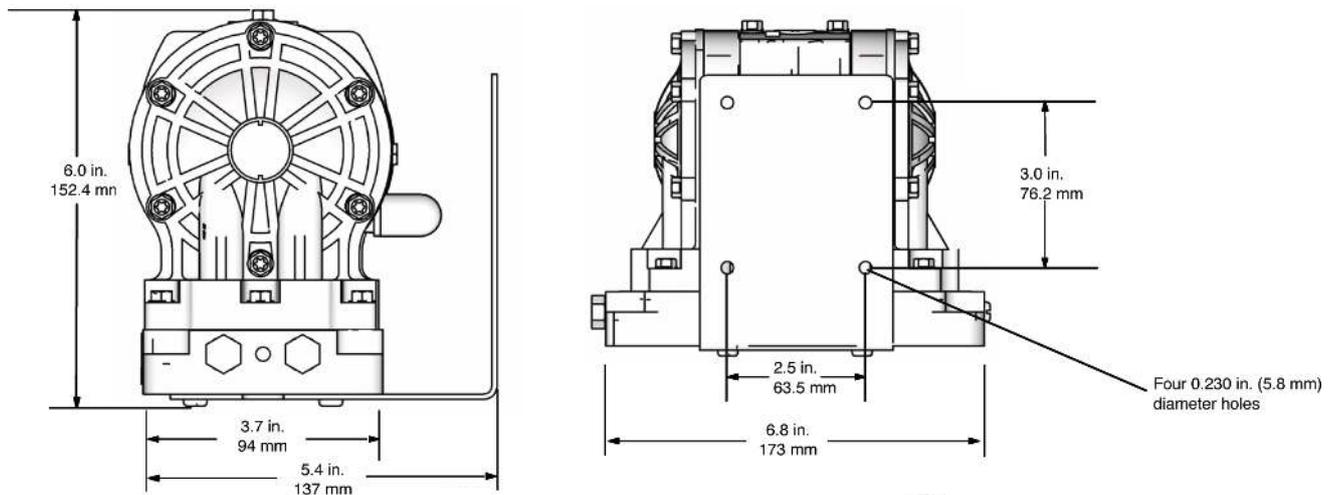
Maximum fluid working pressure	100 psi (0.7 MPa, 7 bar)
Maximum/minimum air pressure	100 psi/20psi (0.7 MPa, 7 bar) / (0.14 MPa, 1.4 bar)
Maximum fluid flow	5.0 gpm (18.9 lpm)
Maximum pump speed	320 (dry) cycles per minute 250 (wet) cycles per minute
Volume per stroke*	0.006 gal (23 cc)
Volume per cycle*	0.012 gal (46 cc)
Maximum suction lift dry	8 to 10 ft (2.5 to 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 m3/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 lb (0.9 kg)
Acetal pump	2.5 lb (1.1 kg)
PVDF pump	2.8 lb (1.3 kg)
Wetted parts (housings, diaphragms, check valves)	
Polypropylene pump:	
Glass-filled polypropylene, PTFE, polypropylene	
Acetal pump:	
Acetal with SST fibers, PTFE, acetal	
PVDF pump:	
PVDF, PTFE, PVDF	

Sound power level (pressure) (per ANSI STD S12.1)	
at 100 psi (0.7 MPa, 7 bar)	75.5 dBa
at 70 psi (0.49 MPa, 4.9 bar)	72.0 dBa
at 40 psi (0.28 MPa, 2.8 bar)	68.2 dBa

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

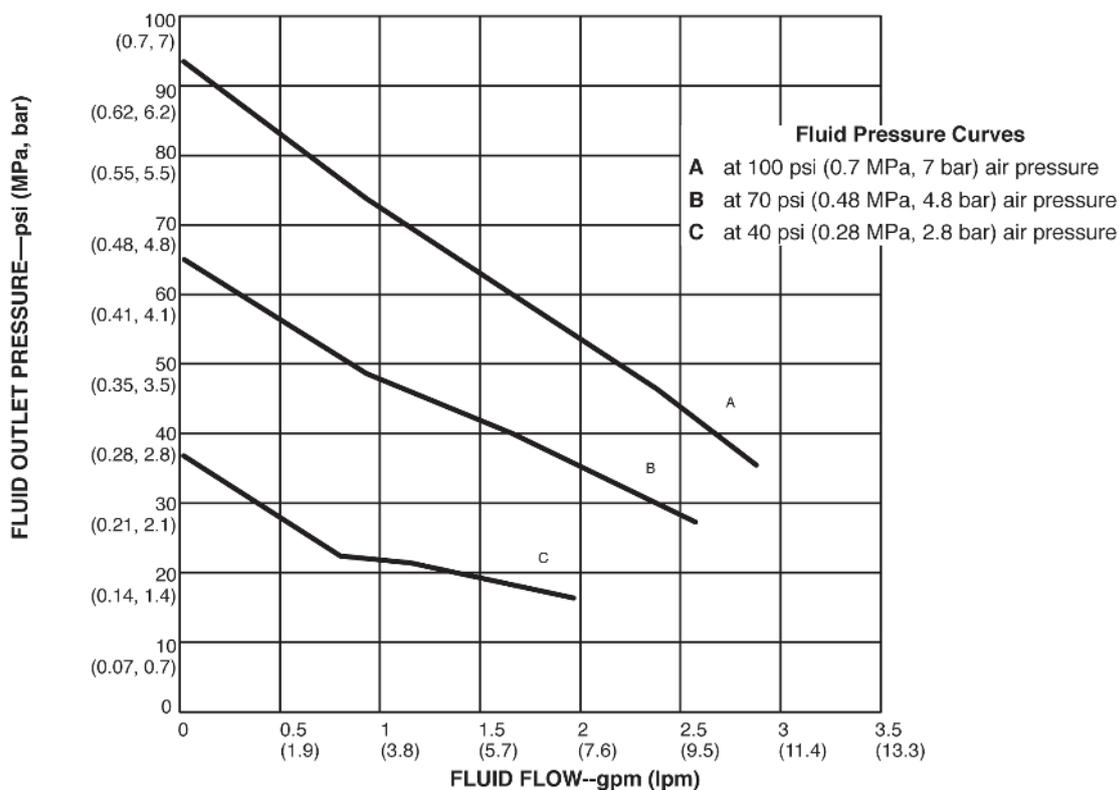


Dimensional Drawing & Mounting Hole Layout



Performance Charts - Ashton AT06 Fluid Outlet Pressure

Test Conditions: Pump tested in water with inlet submerged.



Performance Charts - Ashton AT06 Air Consumption

Test Conditions: Pump tested in water with inlet submerged.

