

AT20(3/4")

Sales & Engineering Data Sheet

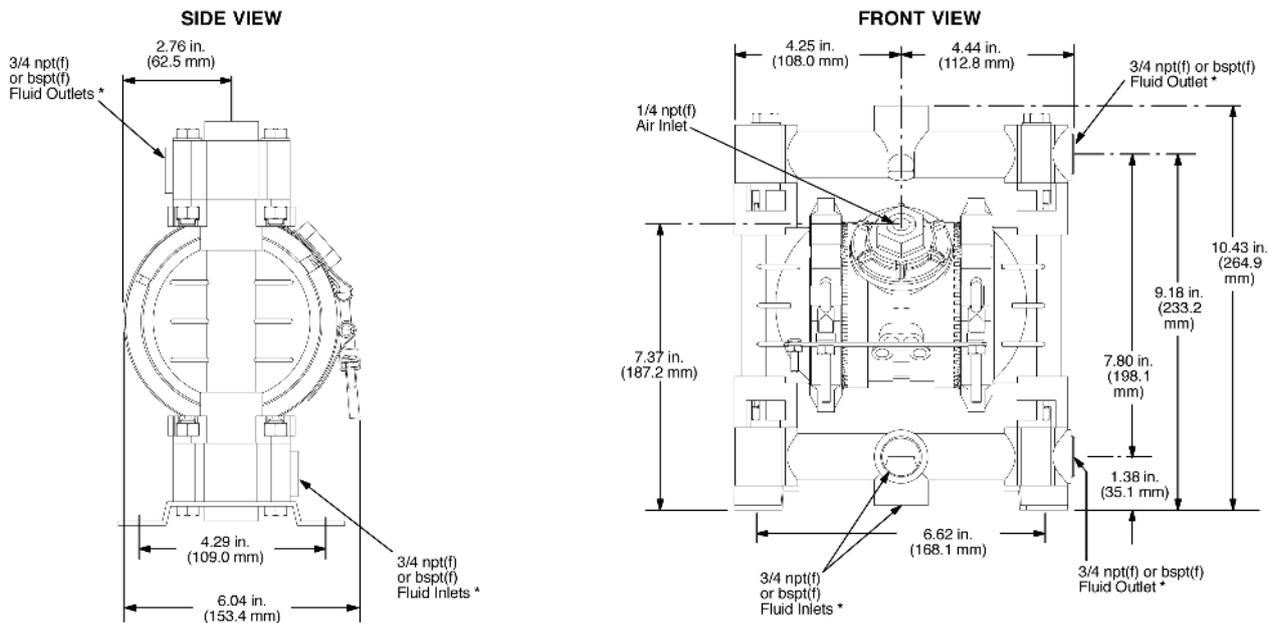
Metallic - Aluminium & 316 Stainless Steel

Specifications

Maximum fluid working pressure	100 psi (0.7 MPa, 7 bar)
Air pressure operating range	30 to 100 psi (0.2 to 0.7 MPa, 2.1 to 7 bar)
Operating Temperature Range	
Minimum (all pumps)	40°F (4°C)
Maximum	
Acetal:	180°F (82°C)
Polypropylene:	150°F (66°C)
Aluminum, stainless steel, PVDF:	225°F (107°C)
Maximum air consumption	28 scfm (0.672 cubic meters/min.)
Maximum free flow delivery (1/2in.ports)	15 gpm (57 l/min)
Maximum pump speed	400 cpm
Gallons (Liters) per cycle	0.04 (0.15)
Maximum suction lift (water w/buna balls)	15 ft (4.5m) dry, 25 ft (7.6 m) wet
Maximum size pumpable solids	3/32 in. (2.5mm)
Sound power level (measured per ISO standard 9614-2)	
At 70 psig (0.48 MPa, 4.8 bar) at 50 cycles per minute	77dBa
At 100 psig (0.7 MPa, 7 bar) at maximum cycles per minute	95dBa
Sound pressure level (measured 1 meter from pump)	
At 70 psig (0.48 MPa, 4.8 bar) at 50 cycles per minute67 dBa
At 100 psig (0.7 MPa, 7 bar) at maximum cycles per minute	85 dBa
Air exhaust port size	3/8 npt(f)
Fluid inlet size	1/2 and 3/4 in. npt(f) or bspt(f)
Fluid outlet size	1/2 and 3/4 in. npt(f) or bspt(f)
Wetted parts (in addition to ball, seat, and diaphragm materials, which vary by pump)	
Aluminum pumps	aluminum, stainless steel, PTFE, zinc-plated steel
Stainless steel pumps	316 stainless steel, PTFE
Non-wetted external parts	polypropylene, stainless steel, polyester (labels), nickel-plated brass, epoxy-coated steel (feet)
Weight (approximate)	
Aluminum pumps	8.5lb (3.9 kg)
Stainless steel pumps	18 lb (8.2 kg)

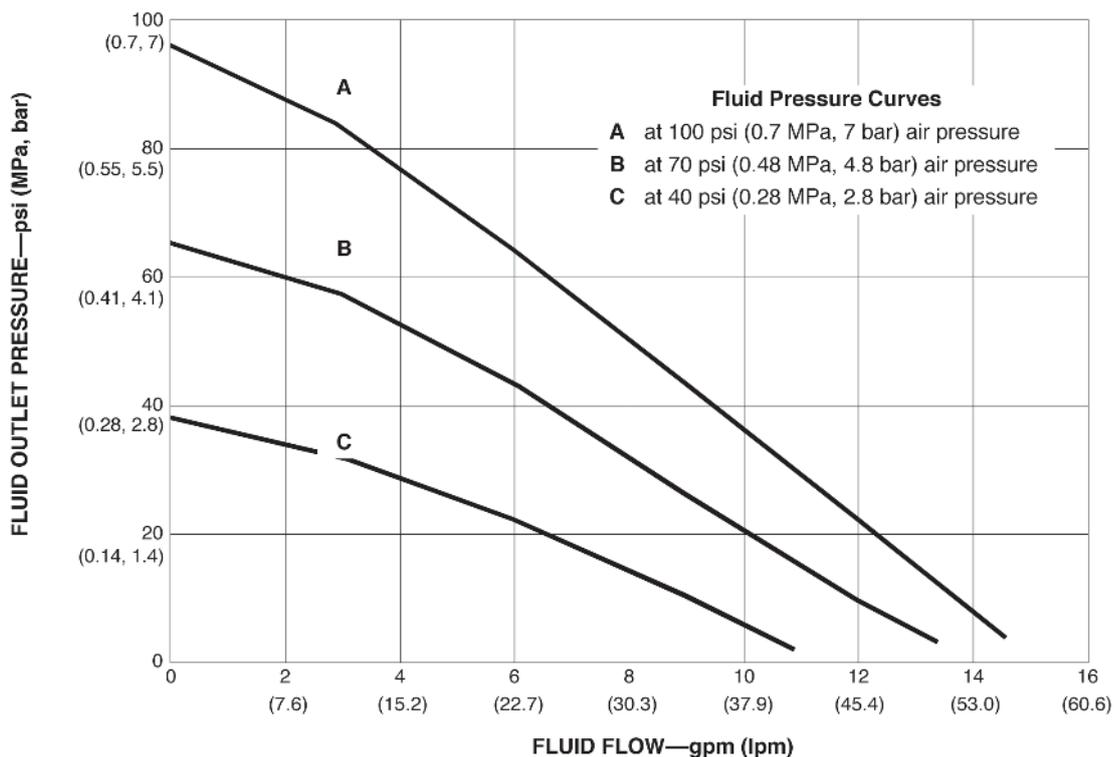


Dimensional Drawing



Performance Charts - Ashton AT20 Fluid Outlet Pressure

Test Conditions: Pump tested in water with inlet submerged.



Performance Charts - Ashton AT20 Air Consumption

Test Conditions: Pump tested in water with inlet submerged.

