

AA25 (1")

Sales & Engineering Data Sheet

Metallic - Aluminum, Hastelloy & Stainless Steel

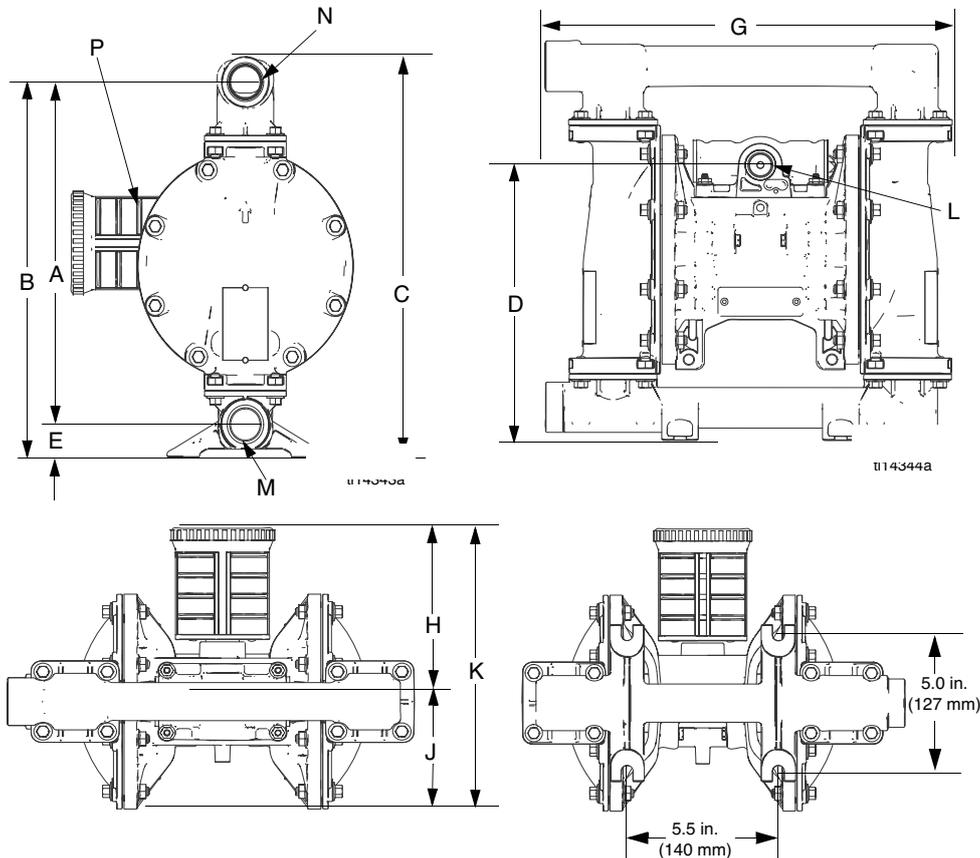
Specifications

Maximum fluid working pressure	125 psi (0.86 MPa, 8.6 bar)
Air pressure operating range	20-125 psi (0.14-0.86 MPa, 1.4-8.6 bar)
Fluid displacement per cycle	0.17 gal. (0.64 liters)
Air consumption at 70 psi, 20 gpm	25 scfm
Maximum values with water as media under submerged inlet conditions at ambient temperature:	
Maximum air consumption	67 scfm
Maximum free-flow delivery	50 gpm (189 lpm)
Maximum pump speed	280 cpm
Maximum suction lift	16 ft (4.9 m) dry, 29 ft (8.8 m) wet
Maximum size pumpable solids	1/8 in. (3.2 mm)
Recommended cycle rate for continuous use	93 - 140 cpm
Recommended cycle rate for circulation systems	20 cpm
Sound Power* at 70 psi (0.48 MPa, 4.8 bar) and 50 cpm	78 dBa
Fluid inlet/outlet size	
Aluminum, Hastelloy or Stainless Steel	1 in. npt(f) or 1 in. bspt
Weight	
Aluminum	23 lb. (10.5 kg)
Hastelloy	41 lb (18.6 kg)
Stainless Steel	
with conductive polypropylene centre	36.3 lb. (16.5 kg)
with polypropylene centre	37.3 lb. (16.9 kg)
with aluminum centre	41.4 lb. (18.8 kg)



  **AA25 PUMP**

Dimensional Drawing for Hastelloy & Stainless Steel



Dimensions for Aluminum

- A 12.7 in. (323 mm)
- B 14.4 in. (366 mm)
- C 15.9 in. (404 mm)
- D 10.9 in. (277 mm)
- E 1.8 in. (46 mm)
- F 7.3 in. (185 mm)
- G 14.7 in. (373 mm)
- H 6.1 in. (155 mm)
- J 3.9 in. (99 mm)
- K 10.0 in. (254 mm)
- L 1/2 npt(f) air inlet
- M 1 in. npt(f) or 1 in. bspt fluid inlet ports (4)
- N 1 in. npt(f) or 1 in. bspt fluid outlet ports (4)
- P 3/4 npt(f) air exhaust port

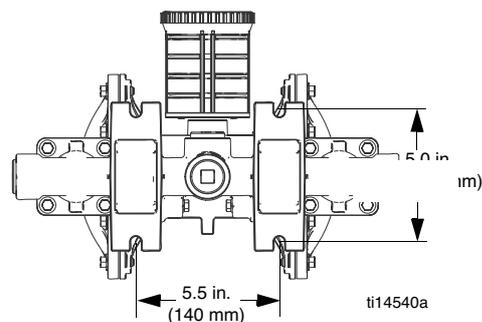
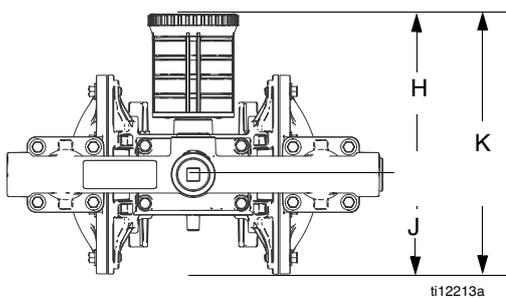
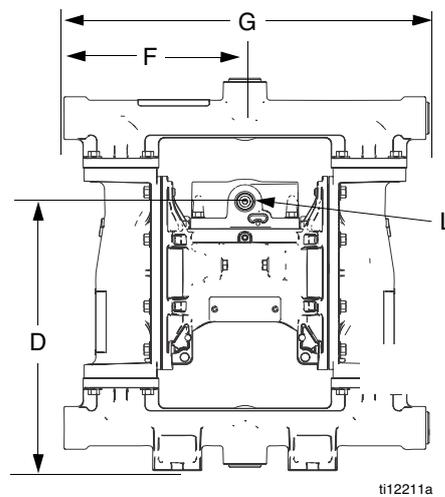
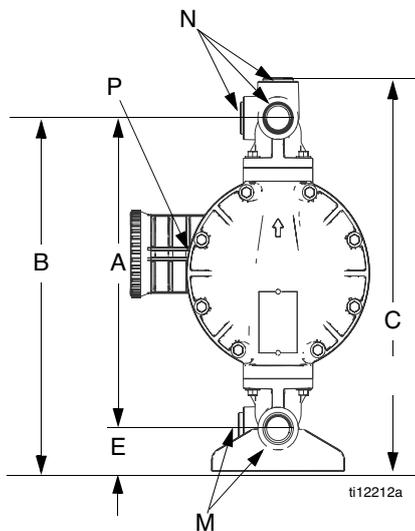
NOTE: Listed dimensions are accurate for both centre and end flange models, except where noted.

Dimensions for Hastelloy & Stainless Steel

- A 11.8 in. (300 mm)
- B 12.9 in. (328 mm)
- C 13.7 in. (348 mm)
- D 9.5 in. (241 mm)
- E 1.1 in. (28 mm)
- G 13.9 in. (353 mm)
- H 5.7 in. (145 mm)
- J 4.0 in. (102 mm)
- K 9.6 in. (254 mm)
- L 1/2 npt(f) air inlet
- M 1 in. npt(f) or 1 in. bspt fluid inlet ports (4)
- N 1 in. npt(f) or 1 in. bspt fluid outlet ports (4)
- P 3/4 npt(f) air exhaust port

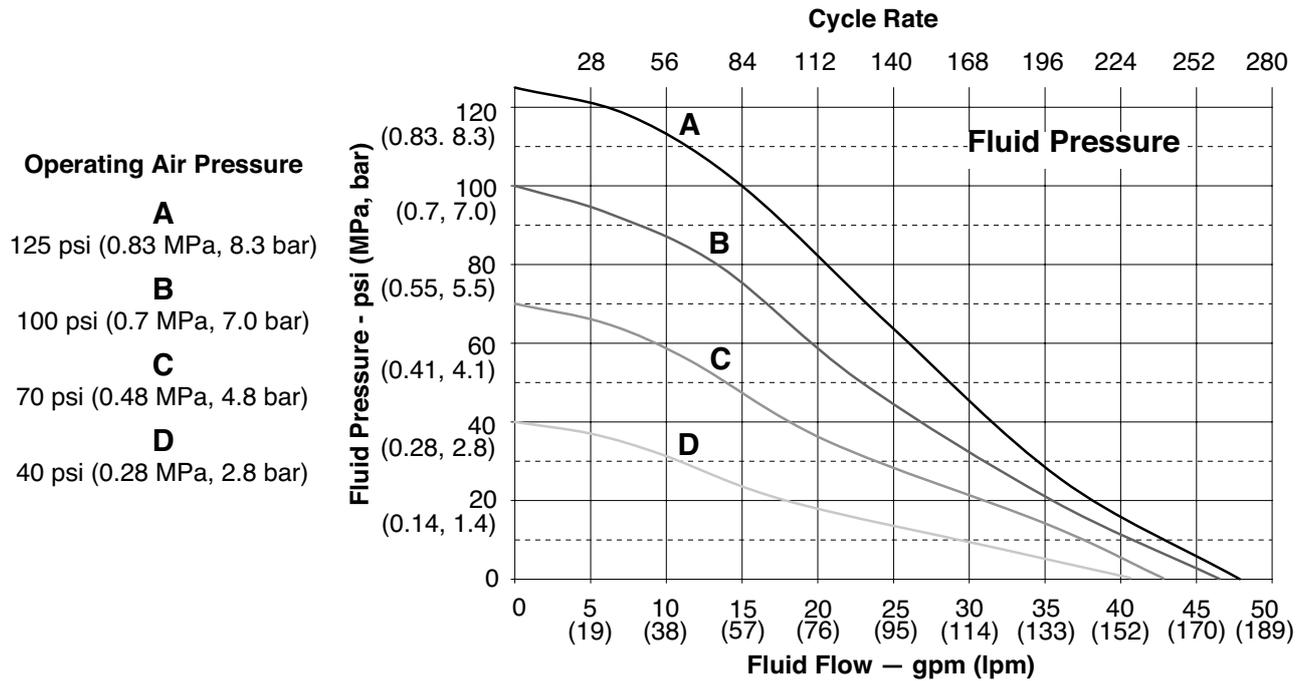
NOTE: Listed dimensions are accurate for both centre and end flange models, except where noted.

Dimensional Drawing for Aluminum



Performance Charts - Ashton AA25 Fluid Outlet Pressure

Test Conditions: Pump tested in water with inlet submerged.



Performance Charts - Ashton AA25 Air Consumption

Test Conditions: Pump tested in water with inlet submerged.

