AA25 (1”)

Sales & Engineering Data Sheet

Non-Metallic - Polypropylene, Conductive Polypropylene & PVDF

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 ..... 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
- at 100 psi (0.7 MPa, 7.0 bar) and full flow .....90 dBa

Fluid inlet/outlet size
- Conductive Poly, Polypropylene, or PVDF ..... 1 in. raised face ANSI/DIN flange

Weight
- Conductive Polypropylene and Polypropylene .....18 lb. (8.2 kg)
- PVDF ..... 26 lb (11.8 kg)

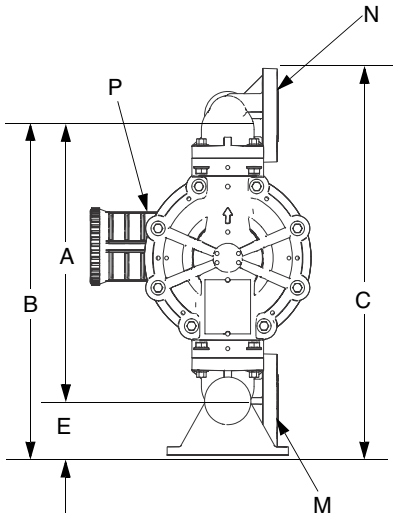
* Sound Power measured per ISO-9614-2.

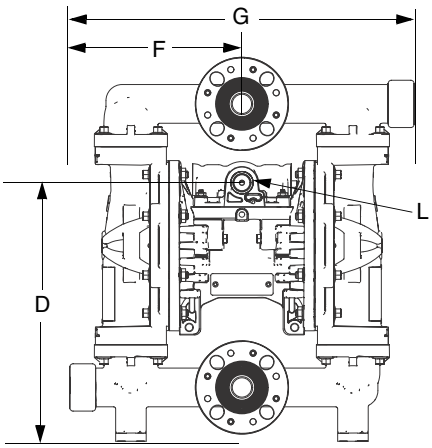
AA25 PUMP

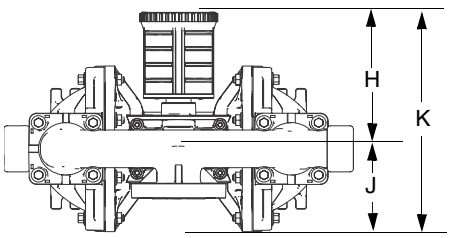
Dimensional Drawing

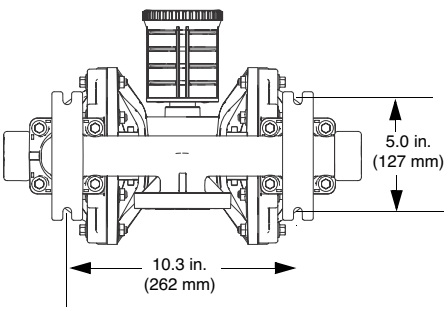
A ..... 13.2 in. (335 mm)
B ..... 15.7 in. (399 mm)
C ..... 17.8 in. (452 mm)
D ..... 12.0 in. (305 mm)
E ..... 2.5 in. (63.5 mm)
F..... 8.0 in. (203 mm)
G ..... **Center Flange:** 16.0 in. (406 mm)
End Flange: 15.2 in. (386 mm)
H ..... 5.6 in. (142 mm)
J ..... 3.9 in. (99 mm)
K ..... 9.6 in. (244 mm)
L ..... 1/2 npt(f) air inlet
M .... 1 in. ANSI/DIN flange
N..... 1 in. ANSI/DIN flange
P..... 3/4 npt(f) air exhaust port

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









Performance Charts - Ashton AA25 Fluid Outlet Pressure

Test Conditions: Pump tested in water with inlet submerged.

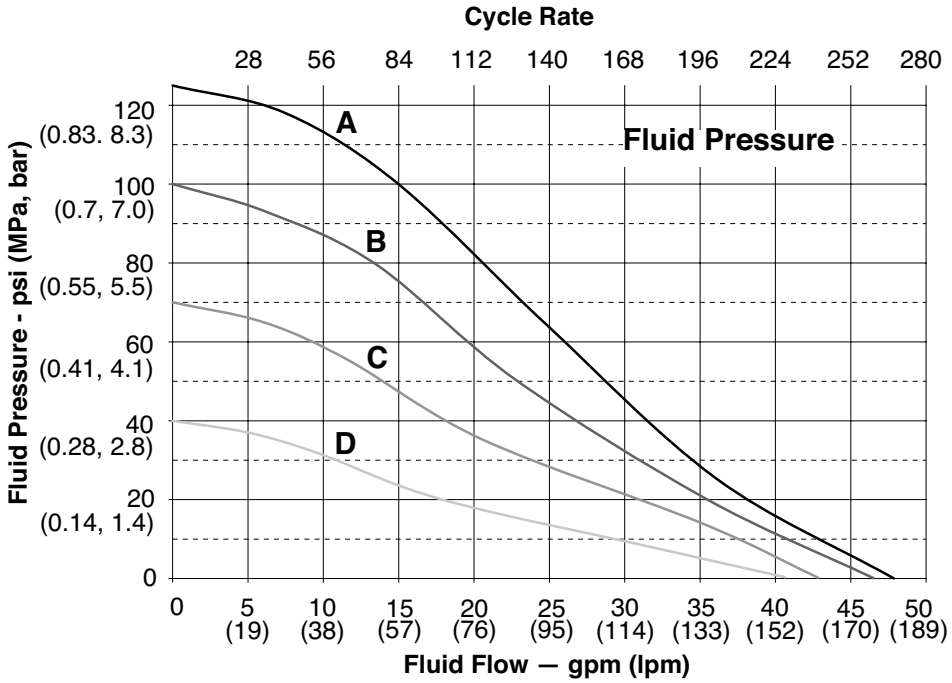
Operating Air Pressure

A
125 psi (0.83 MPa, 8.3 bar)

B
100 psi (0.7 MPa, 7.0 bar)

C
70 psi (0.48 MPa, 4.8 bar)

D
40 psi (0.28 MPa, 2.8 bar)



Performance Charts - Ashton AA25 Air Consumption

Test Conditions: Pump tested in water with inlet submerged.