

MODEL AOD1

FEATURES

- **Stall-Free Design**—Our "posi-shift", tandem spool air distribution valve insures reliable operation in all types of low pressure and start/stop applications. Plus, fewer parts and no o-rings result in easier maintenance.
- **Oil-less operation**—No metal to metal wearing surfaces. State-of-the-art materials and precision-manufacturing techniques combine to provide the industry's original completely oil-less design. This design means: no oil misting into the environment no unhealthy working conditions no oil, lubricants or grease to contaminate your products. Our oil-less design results in lower operating and maintenance costs. This design has been field proven, working trouble-free since its introduction over 15 years ago.
- **Externally Serviceable Air Valve**—No need to disassemble the pump for routine maintenance. The air valve can be quickly and easily maintained with minimal downtime.
- **Quiet Operation**—Air valve design minimizes exhaust noise providing a significantly quieter work environment.
- **Variety of Elastomers**—AOD® pumps can be assembled with the elastomer that matches your application; Neoprene, Buna-N, Norder®, Teflon®, Santoprene® and Viton® are all available.

Note: Stainless Steel models are not sanitary rated, but may be used in certain sanitary applications.

AOD®

Metallic Models AOD1

Patented lubrication-free, stall-free design.

Clean, safe and reliable pumping.

Sizes

Discharge x Suction x Air Inlet.

AOD1 - 1" x 1" x 3/8" NPT

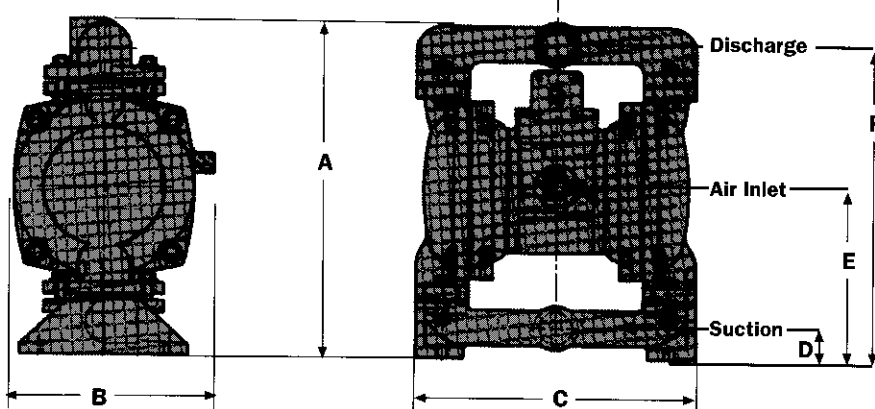
Materials

Aluminum
Stainless Steel
Cast Iron

Applications

- AIRCRAFT INDUSTRY
- AUTOMOTIVE
- BEVERAGE INDUSTRY
- CHEMICAL AND PETROLEUM
- GLASS AND FIBERGLASS
- MARINE
- METAL AND STEEL
- MINE AND CONSTRUCTION
- PAINT
- PAPER AND WOOD

MODEL AOD1

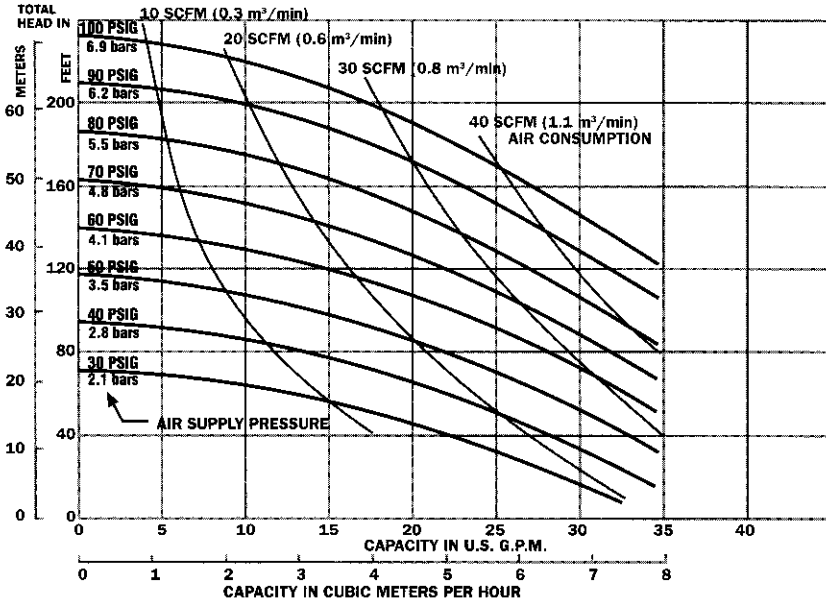


MODEL	Aluminum AOD1-Axxx AOD1-Axxx-B	Stainless Steel AOD1-Sxxx AOD1-Sxxx-B	Cast Iron AOD1-Cxxx AOD1-Cxxx-B
SUCTION (BOTTOM)	1" MNPT, BSP	1" FNPT, BSP	1" FNPT, BSP
DISCHARGE (TOP)	1" MNPT, BSP	1" FNPT, BSP	1" FNPT, BSP
A Inches (mm)	14¼ (362)	14¼ (362)	14¼ (362)
B Inches (mm)	7½ (191)	7½ (191)	7½ (191)
C Inches (mm)	11⅝ (295)	11⅜ (284)	11⅝ (295)
Air inlet size	¾" NPT	¾" NPT	¾" NPT
D Suction Dimension Inches (mm)	1⅝ (33)	1⅝ (33)	1⅝ (33)
E Air Inlet Dimension Inches (mm)	7⅞ (187)	7⅞ (187)	7⅞ (187)
F Discharge Dimension Inches (mm)	13⅝ (338)	13⅝ (338)	13⅝ (338)

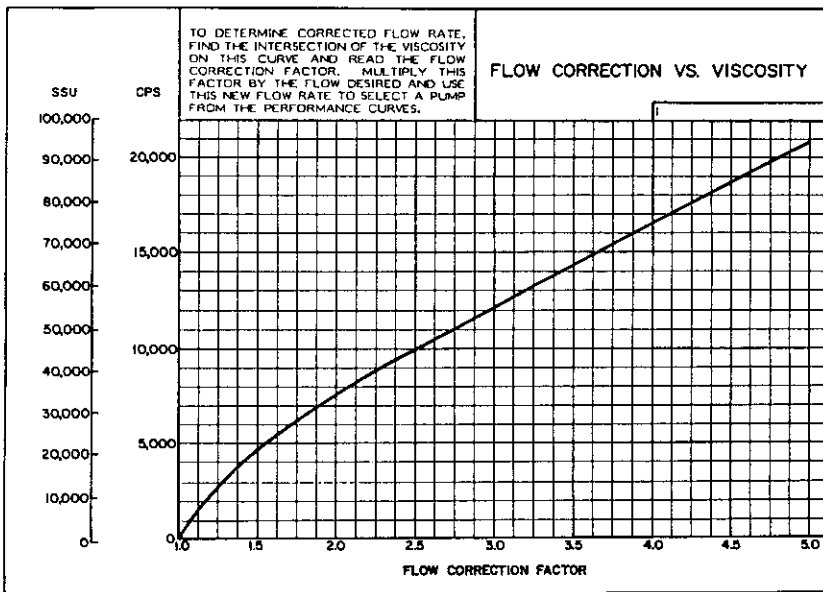
*AOD® is a registered trademark of Price® Pump Co.; Viton® and Norder® are registered trademarks of Dupont Dow Elastomers; Teflon® is registered trademark of Dupont; Santoprene is a registered trademark of Monsanto Company.



Model AOD1



The performance curves shown and other published literature reflect an average performance for all materials and all elastomers, including Teflon®. No derating of the performance is necessary for Teflon® fitted pumps.



Technical Data MODEL AOD1

Maximum flow GPM (litres per minute)	35 (132)
Displacement/Stroke Gal (litres)	.18 (.68)
Elastomer Diaphragms	.12 (.45)
Teflon® Diaphragms	
Max Air Inlet Pressure PSI (bar)	125 (8.8)
Max Spherical Solids Size IN (mm)	1/8 (4.7)
High Temperature Limit °F (°C)	180 (82)
Low Temperature Limit °F (°C)	32 (0)
Shipping Weight Lbs (kg)	
Aluminum	34 (15.4)
Stainless Steel	45 (20.4)
Cast Iron	53 (24.0)

Elastomer Kits

MATERIAL	P/N
Neoprene	45-761-00
Buna-N	45-761-10
Viton®	45-761-20
Nordel	45-761-30
Santoprene®	45-761-60
Teflon®	46-386-00

Materials of Construction

Air valve housing	fiber glass
Air chambers	aluminum 456-T6
Spool Housing	electroless nickel coated aluminum
Pump external finish	enamel blue paint
Valve type	elastomeric ball

Suction Lifts

Elastomer type (Material)	dry prime		wet prime	
	FT	metres	FT	metres
Standard (Cast Iron)	20	6.1	20	6.1
Standard (Alum, S.S.)	10	3.0	18	5.5
Teflon® (Alum, S.S.)	13	4.0	18	5.5



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