



## Air Operated Diaphragm Pump



**Max Flow: 170 GPM @100 psi**

### 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. In addition, fewer parts and no o-rings result in easier maintenance.
- **Oil-less Air Valve** – No metal-to-metal wearing surfaces. State-of-the-art materials and precision manufacturing techniques provide the industry’s original completely oil-less design. This design means no oil misting into the environment that would create an unhealthy working condition, and 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 and working trouble-free since 1984.
- **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.
- **Variety of Elastomers** - AOD<sup>®</sup> pumps can be assembled with the elastomer that matches your application; Neoprene, Buna-N, Nordel<sup>®</sup>, Teflon<sup>®</sup>, Santoprene<sup>®</sup>, and Viton<sup>®</sup> are all available.

**Also Available In Clamped Design!**

## AOD2 - \*(-A, -S) -B

### \*Pump Body Materials

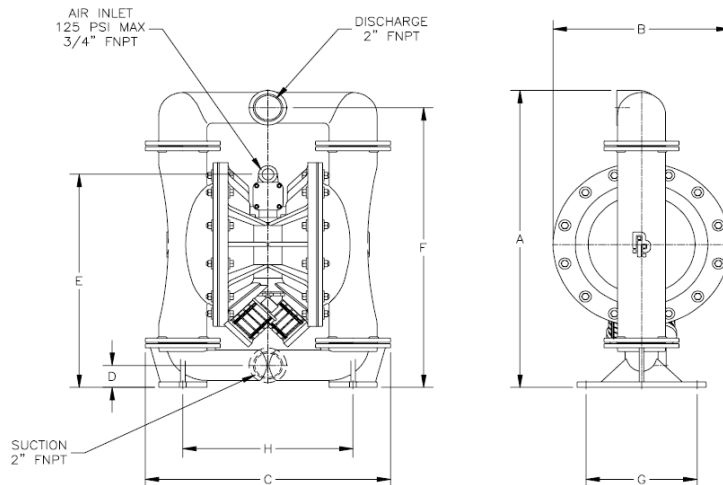
- A - Aluminum
- S - Stainless Steel

### Elastomers

- Buna-N
- Neoprene
- Nordel<sup>®</sup>
- Santoprene<sup>®</sup>
- Teflon<sup>®</sup>
- Viton<sup>®</sup>

### Applications

- Aircraft Industry
- Automotive
- Beverage Industry
- Chemical and Petroleum
- Glass and Fiberglass
- Marine
- Metal and Steel
- Mine and Construction
- Paint
- Paper and Wood



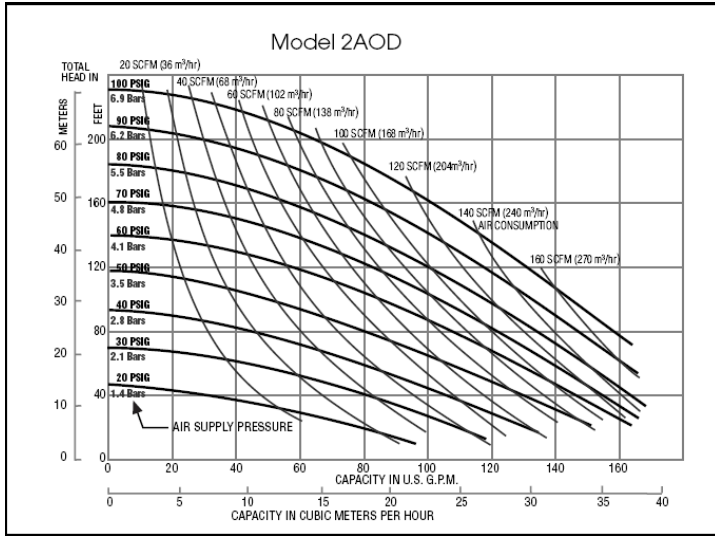
MODEL (Dimensions)		Aluminum	Stainless Steel
		AOD2-Axxx-B	AOD2-Sxxx-B
<b>SUCTION (Bottom)</b>	Inches	<b>2 FNPT, BSP</b>	<b>2 FNPT, BSP</b>
<b>DISCHARGE (Top)</b>	Inches	<b>2 FNPT, BSP</b>	<b>2 FNPT, BSP</b>
<b>A – Total Height</b>	Inches (mm)	26.75 (679)	26.75 (679)
<b>B – Total Depth</b>	Inches (mm)	14.75 (375)	14.75 (375)
<b>C – Total Width</b>	Inches (mm)	20.44 (519)	20.44 (519)
<b>Air Inlet Size</b>		<b>3/4" FNPT</b>	<b>3/4" FNPT</b>
<b>Air Exhaust Size</b>		<b>3/4" FNPT</b>	<b>3/4" FNPT</b>
<b>D – Suction</b>	Inches (mm)	2 (51)	2 (51)
<b>E – Air Inlet</b>	Inches (mm)	19.13 (486)	19.13 (486)
<b>F – Discharge</b>	Inches (mm)	25.19 (640)	25.19 (640)
<b>G – Mounting</b>	Inches (mm)	9.25 (235)	9.25 (235)
<b>H – Mounting</b>	Inches (mm)	14.19 (360)	14.19 (360)

NOTE: Pump dimensions may vary depending on configuration. Dimensions are to be used for reference only.



AOD<sup>®</sup> is a registered trademark of Price<sup>®</sup> Pump Co.; Teflon<sup>®</sup> is a registered trademark of DuPont; Viton<sup>®</sup> and Nordel<sup>®</sup> are registered trademarks of DuPont Dow Elastomers; Santoprene<sup>®</sup> is a registered trademark of Monsanto Company.

# AOD2 -A, -S (-B)



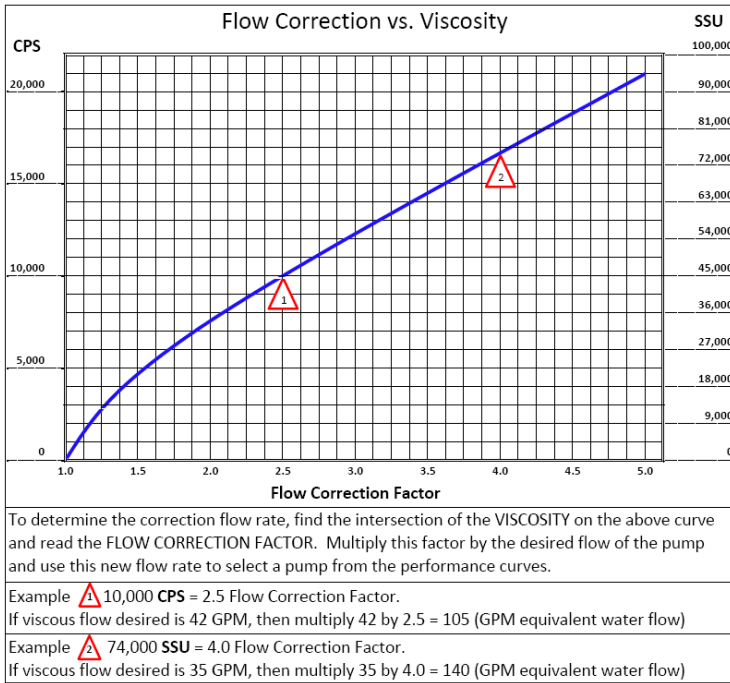
Technical Data		
Maximum flow	GPM (liters per minute)	170 (643)
Displacement/Stroke	Gal (liters)	
	Elastomer Diaphragms	0.85 (3.2)
	Teflon® Diaphragms	0.80 (3.0)
Max Air Inlet Pressure	PSI (bar)	125 (8.8)
Max Spherical Solids Size	IN (mm)	3/8 (9.5)
High Liquid Temp. Limit	*(See elastomer specs. below)	
Low Liquid Temp. Limit	°F (°C)	32 (0)
Shipping Weight	Lbs (kg)	
	Aluminum	96 (43.5)
	Stainless Steel	165 (74.8)

*Elastomers		
Maximum Liquid Temperature		
MATERIAL	AL, SS	Kit P/N
Buna-N	180°F (82°C)	44-809-10
Neoprene	180°F (82°C)	44-809-00
Nordel®	180°F (82°C)	44-809-30
Santoprene®	212°F (100°C)	44-809-60
Teflon® AL, SS	212°F (100°C)	46-430-56
Viton®	248°F (120°C)	44-809-20

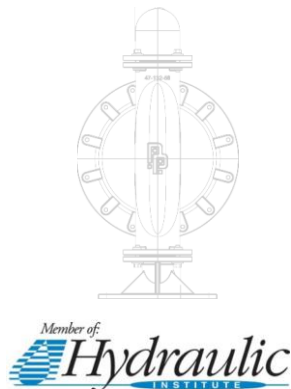
Materials of Construction		
Bolted Series	Stainless Steel	Aluminum
Air Valve Housing	Anodized Aluminum	
Air Chambers	Aluminum	Aluminum
Pump Chambers	Stainless Steel	Aluminum
Spool Housing	Anodized Aluminum	
Pump External Finish	Natural (Not Painted)	
Valve Type	Elastomeric Ball	
Optional: Polypro Air Valve Assembly with SS Spool Housing		

Suction Lifts				
Elastomer Type (Material)	Dry Prime		Wet Prime	
	FT (meters)	FT (meters)	FT (meters)	FT (meters)
Standard (AL, SS)	20 (6.1)		22 (6.7)	
Teflon® (AL, SS)	12 (3.7)		20 (6.1)	

The performance curves shown and other published literature reflect an average performance for all materials and all elastomers, including Teflon®. Derating of the performance is not necessary for Teflon® fitted pumps.



21775 Eighth Street East,  
Sonoma, CA 95476-0329  
MAIN (707) 938-8441  
TOLL FREE (800) 345-PUMP (7867)  
FAX (707) 938-0764  
[www.pricepump.com](http://www.pricepump.com)  
E-mail: [sales@pricepump.com](mailto:sales@pricepump.com)



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