PRICE PUMP

AOD® *Y Series*

1/4" Non-Metallic

Air Operated Diaphragm Pump

Max Flow:

3.4 GPM with 100 psi air supply

FEATURES

- **Stall-Free Design** – A patented non-centering, spring assisted shifter is incorporated into every "Y" series pump, ensuring a positive shift every time. All "Y" series pumps eliminate the need of pre-packing or extended lubrication.
- **Oil-less Operation** – Oil-less operation "Y" series pumps incorporate no metal-to-metal wearing surfaces. 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.
- **Quiet Operation** – Air valve design minimizes exhaust noise providing a significantly quieter work environment.
- **Portable/Simple Installation** – Simply connect your air supply line and liquid lines; the pump is now ready to perform. There are no complex controls to install and operate.
- **Submersible** – If external components are compatible, these pumps can be submerged in the liquid by simply running the exhaust line above the liquid level.

AOD.25 - *(-P, -K)

*Pump Body Materials

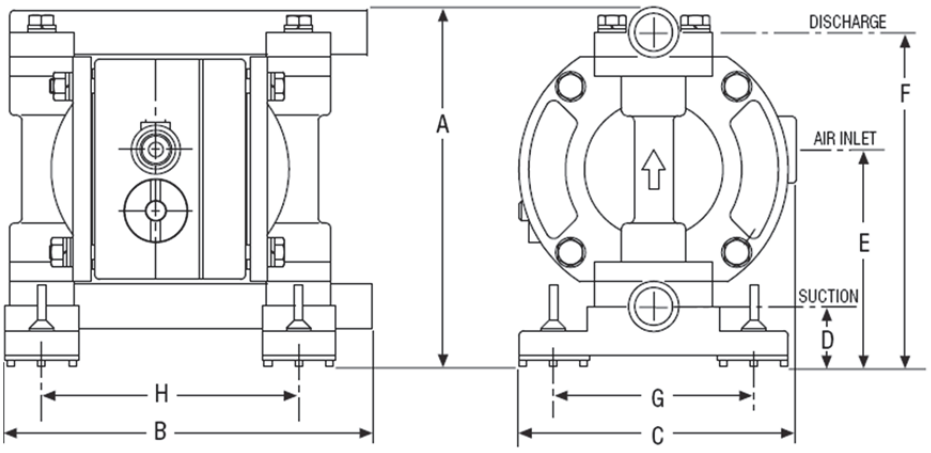
P - Polypropylene †
K - Kynar® (PVDF)

Elastomers Available

Teflon®

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)		Polypropylene AOD.25-Pxxx-Y	PVDF AOD.25-Kxxx-Y
SUCTION (Bottom)	Inches	**1/4 FNPT, BSP**	**1/4 FNPT, BSP**
DISCHARGE (Top)	Inches	**1/4 FNPT, BSP**	**1/4 FNPT, BSP**
A – Total Height	Inches (mm)	5.79 (147)	5.79 (147)
B – Total Depth	Inches (mm)	6.14 (156)	6.14 (156)
C – Total Width	Inches (mm)	4.50 (115)	4.50 (115)
Air Inlet Size		**1/4" FNPT**	**1/4" FNPT**
Air Exhaust Size		**3/8" FNPT**	**3/8" FNPT**
D – Suction Dimension	Inches (mm)	.984 (25)	.984 (25)
E – Air Inlet Dimension	Inches (mm)	3.46 (88)	3.46 (88)
F – Discharge Dimension	Inches (mm)	5.31 (135)	5.31 (135)
G – Mounting Dimension	Inches (mm)	3.23 (82)	3.23 (82)
H – Mounting Dimension	Inches (mm)	3.86 (98)	3.86 (98)

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

† Material is not ATEX certified.

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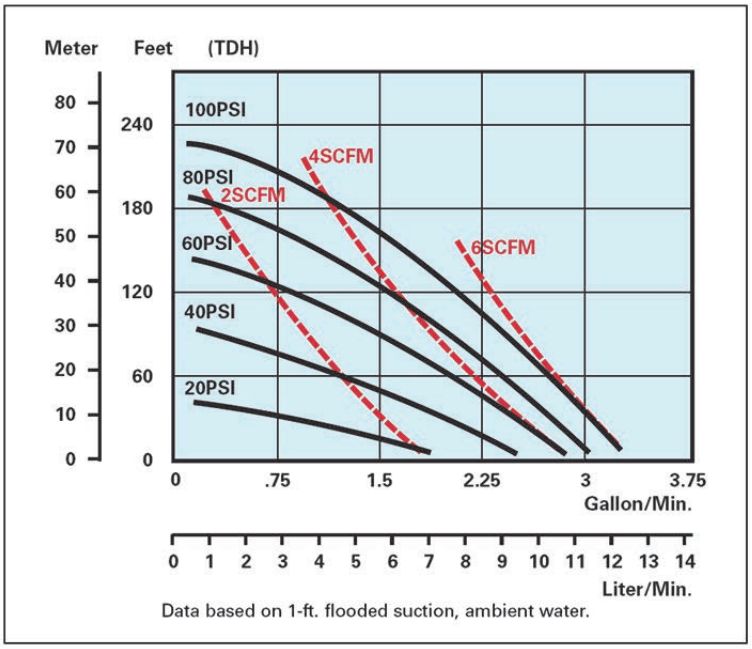
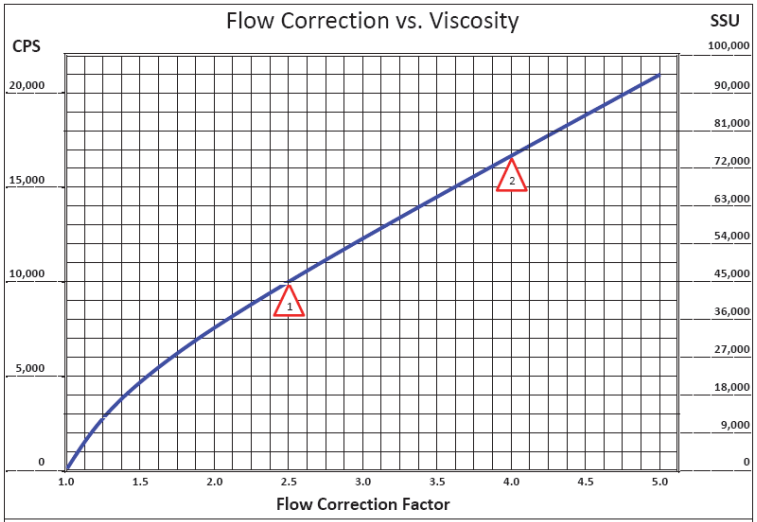
AOD.25 -P, -K



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.



To determine the correction flow rate, find the intersection of the VISCOSITY on the above curve and read the FLOW CORRECTION FACTOR. Multiply this factor by the desired flow of the pump and use this new flow rate to select a pump from the performance curves.

Example 1 10,000 **CPS** = 2.5 Flow Correction Factor.
If viscous flow desired is 42 GPM, then multiply 42 by 2.5 = 105 (GPM equivalent water flow)

Example 2 74,000 **SSU** = 4.0 Flow Correction Factor.
If viscous flow desired is 35 GPM, then multiply 35 by 4.0 = 140 (GPM equivalent water flow)

Technical Data

Maximum flow	GPM (liters per Minute)	3.4 (12.9)
Displacement/Stroke		
Teflon® Diaphragms	Gal (liters)	0.0085 (0.032)
Max Air Inlet Pressure	PSI (bar)	100 (6.9)
Max Spherical Solids Size		100 microns
High Liquid Temp. Limit	*(See elastomer specs. below)	
Low Temperature Limit	°F (°C)	40 (4.44)
Shipping Weight	Lbs (kg)	
Polypro		4.0 (1.8)
Kynar®		4.7 (2.1)

*Elastomer Kits

Maximum Liquid Temperature

MATERIAL	Polypro & Kynar®	P/N
Teflon® (Polypro)	180°F (82°C)	K5-PT
Teflon® (Kynar®)	212°F (100°C)	K5-VT

Materials of Construction

Air Valve Housing	Polypropylene-glass filled
Air Chambers	Polypropylene-glass filled
Spool Housing	Polypropylene-glass filled
Pump External Finish	Natural (Not Painted)
Valve Type	Teflon Flat Valve

Suction Lift

Elastomer Type	Dry Prime
Teflon® (Polypro, Kynar®)	5 Feet (1.5 meters)

Your Local Price® Pump Distributor:

PRICE® PUMP CO.

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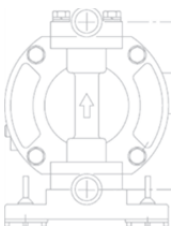

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