



ARD Series Midsize Proportional Valve

Kelly Pneumatics' ARD Series Valves bridge the gap between traditional solenoid-style proportional valves and solutions that maximize flow capacity while maintaining a smaller valve size. Using reliable, proven technology, the ARD Series Midsize Proportional Valves deliver flow rates of up to 1,200 SLPM while maintaining a relatively compact design. The valve offers a 100,000:1 turndown ratio, allowing for accurate control at low flow rates and excellent maximum flow capacity. This product is an ideal solution for medical device applications facing challenges such as leak-by or oscillation issues—especially in respiratory therapy.

Product Features

- **Unique high-force armature eliminates leak-by and oscillation issues typical to balanced valves**
- **High resolution low-flow control, offering precise control from lift-off to max flow**
- **Custom Port Options: Inline, Manifold, and Cartridge**
- **CV Factor of up to .760**



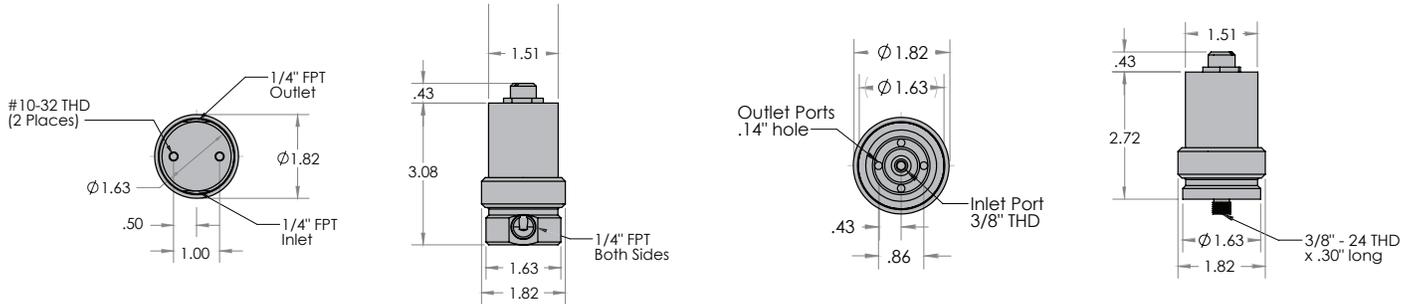
Specifications

Valve Function	2 Way, Normally Closed
Electrical Connection	Flying Wire Leads
Control Voltages	0-5 vdc, 0-10 vdc or 0-20 vdc
Power Requirement	5.2 watts (max)
Flow Range	0 - 1,200 slpm of air (at 100 psi)
Working Pressure	-14.7 to 150 psig
Cv Factor	0.50 to 0.76
Differential Pressure Required	15 psig minimum
Turndown Ratio	100,000:1
Leak Rate	Bubble Tight Seal
Response Time	<10 ms
Port Types	Manifold Mount, 1/8 NPT Inline, Custom
Seal Material	Buna-N, Viton, EPDM, Custom
Wetted Materials	Cold rolled stainless steel w/ electroless nickel plating, brass and 304 stainless steel

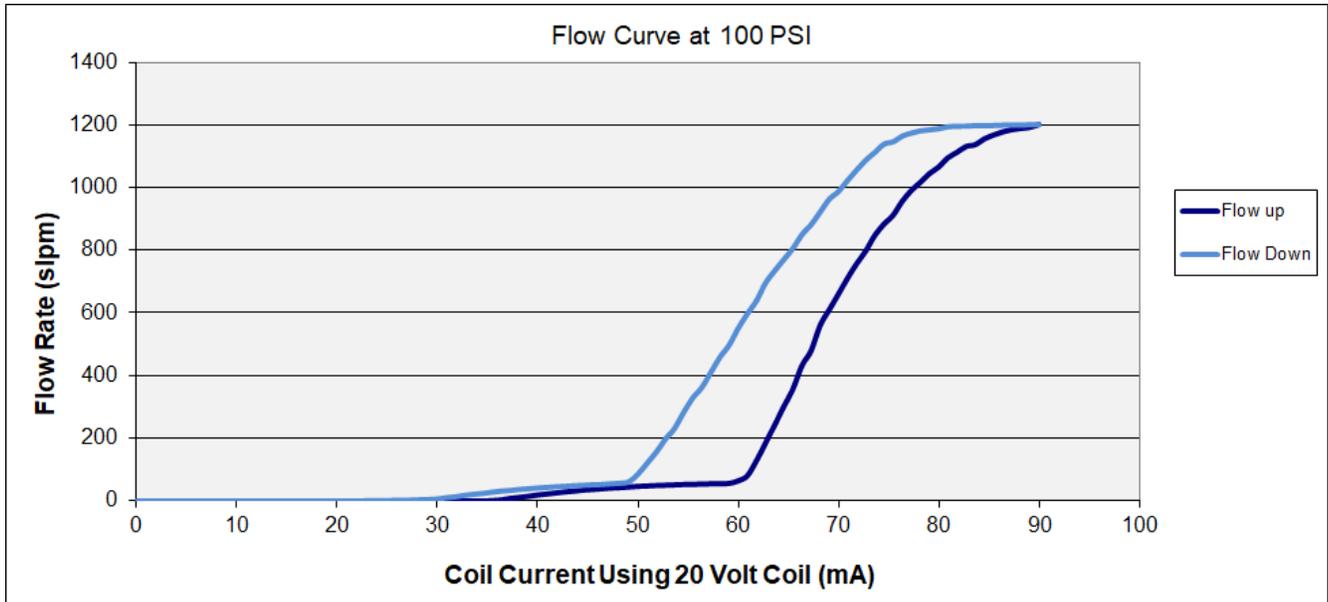
Dimensions

Base Mount Version

Manifold Mount Version



Flow Characteristics



Part Numbering System

