



iQ Polaris

High Flow in a smaller footprint

iQ Proportional Valves



Series:

iQ Polaris

Valve Type:

Proportional 2-Way Normally Close

Media:

Air & Gases

Orifice Sizes:

0.110" (2.800 mm)

*Please contact iQ Valves for other sizes

Mounting (Ports):

Manifold Mount

*Please contact iQ Valves for other options

Voltage (Power):

12 VDC

24 VDC

The iQ Polaris Proportional valve combines simple design of Tesla valve with unique pressure balancing technology and brings a notable design to iQ valves array. This proportional valve is pressure balanced and delivers flows up to 180 lpm (50 psi). Due to its unique manifold design, the iQ Polaris is ideal for high flow applications with tight spatial and power requirements. It offers an alternative option when compared to its competitors in the valve market.

This valve is ideal for medical applications such as ventilators and anesthesia, lab instrumentation, and general industrial applications. A signal amplifier valve driver is also available to control the valve using a 0-5VDC, 0-10VDC or 4-20mA control signal.

Features:

- Pressure balanced design to support higher flow in smaller footprint
- Compact and robust design.
- Quick, accurate response and good controllability.
- Ideal for ventilators, anesthesia, and lab instrumentation applications.
- Great for air and gasses applications

Typical Flow Characteristics

