



iQ Electronic Pressure controller



The iQ pressure Controller is designed for high precision and reliable performance in demanding applications. With a linearity and accuracy of $<\pm 1\%$ of full scale, it ensures consistent and accurate control. Repeatability is less than 0.5% of the reading, providing stable and reliable operation. The quick response time, under 100ms, allows for rapid adaptation to dynamic conditions. with an operating pressure range of 2-100 psig. It also features a turndown ratio of 100:1, ensuring precise control across a wide range of flow rates. The resolution is finer than 25mV, providing accurate readings. Operating on a supply voltage of 24-30V DC, this pressure controller is designed for seamless integration and offers flexibility in controlling various systems. Its robust features make it an ideal choice for precision and adaptability applications.

Features:

- Quick, accurate, and reliable response
- Ideal for various industrial applications
- Exceptional precision for consistent performance
- High flexibility for diverse system control needs

System performance:

Linearity	$<\pm 1\%$
Accuracy	$<\pm 1\%$ of Full scale
Repeatability	$<0.5\%$ of reading
Resolution	$<25\text{mV}$
Response Time	100ms
Turndown ratio	100:1
Pressure range	2-100psi
Max Inlet pressure	110psig

Electrical:

Supply voltage	24-30VDC
Command signal	0-5V, 0-10V, 0-20mA
Electrical connector	8-pin D connector
Max current	300mA
Reverse Polarity protection	Yes
Power Indicator	Yes

Mechanical:

Valve Type	Normally closed proportional
Sensor technology	Silicon Piezoresistive
Dimensions	4.2 x 2.5 x 2.13
Porting	1/8" NPT
Wetted materials	Valve: 200 series SS 300 series SS Manifold: Anodized Aluminum
Media	Air
Seals Material	FKM
Temperature Range	32-120°F[0-49°C]
Filtration	40 micron (recommended)

