

PRESSURE CONTROL

QB3



*Optional Digital Display Available
Oxygen Service Available*

PRESSURE RANGE	Full Vacuum to 150 psig (10 Bar)
ACCURACY REPEATABILITY	±0.25% F.S. ±0.2% F.S.
MAX FLOW	30 SCFM (850 slpm)
PORTS	¼" NPT

Available with Modbus RS232 & RS485

The QB3 is a complete electronic pressure regulator package consisting of two feed and bleed solenoid valves, a control circuit, pressure transducer, and an integral air pilot operated volume booster all in a rugged IP65 housing.

Analog monitor output signal is standard, select 0-10 VDC or 4-20 mA. Select 0-10 VDC or 4-20 mA differential command signal.

Available options include digital display, manifold mount, a variety of wetted elastomers and brass body version cleaned for oxygen service.

QB3H



Oxygen Service Available

PRESSURE RANGE	Full Vacuum to 500 psig (34 Bar)
ACCURACY REPEATABILITY	±0.5% F.S. ±0.2% F.S.
MAX FLOW	50 SCFM (1,416 slpm)
PORTS	¾" NPT (½" Optional)

Available with Modbus RS232 & RS485

The QB3H electronic pressure regulator consists of two solenoid valves which add or subtract pressure to the pilot of an integral volume boosting regulator. An internal stainless steel pressure sensor measures the high pressure output of the integral volume booster and sends this signal to the on-board controller.

Available in lightweight aluminum, stainless steel or oxygen service compatible brass bodies.

PRESSURE CONTROL

QB4

PRESSURE RANGE	Full Vacuum to 150 psig (10 Bar)
ACCURACY REPEATABILITY	±0.4% F.S. ±0.3% F.S.
MAX FLOW	200 SCFM (5,663 slpm)
PORTS	½" NPT (3/4" Optional)

Available with Modbus RS232 & RS485

The QB4 is made up of two solenoid valves, internal pressure transducer and an electronic control circuit mounted to an integral volume booster in a compact IP65 rated housing. Output pressure is proportional to an electrical input (command signal). Command signals come in a choice of either a differential 0-10 VDC or 4-20 mA.

The QB4 also provides an electrical monitor signal for output to a panel meter or controller for data acquisition or quality assurance needs. It is the actual work pressure that is sensed and fed back to the control circuit so any mechanical hysteresis of the air piloted volume booster is automatically compensated for; allowing for extraordinary accuracy and repeatability.



*Optional Digital Display Available
Oxygen Service Available*

GX1 | GX2

PRESSURE RANGE	Full Vacuum to 1,000 psig (69 Bar)
ACCURACY REPEATABILITY	±0.25% F.S. ±0.15% F.S.
RESOLUTION	±0.10% F.S.
MAX FLOW	26 SCFM @ 1,000 psi (736 slpm)
PORTS	⅛" NPT

The GX1 & GX2 high pressure control pressure valve offers precision pressure control without the need for a ratio amplifying regulator. This series includes a power and status indicator LED and is field serviceable with field modifiable command and monitor signals.

Analog monitor output is standard, select 0-10 VDC or 4-20 mA TTL. Select 0-10 VDC or 4-20 mA differential command signal. The GX1 & GX2 can be assembled to a volume booster for higher flow. This is a complete re-design of the popular GP model. The GX improves upon the GP in *virtually* every aspect.



*Oxygen Service Available
The GP Re-Designed*