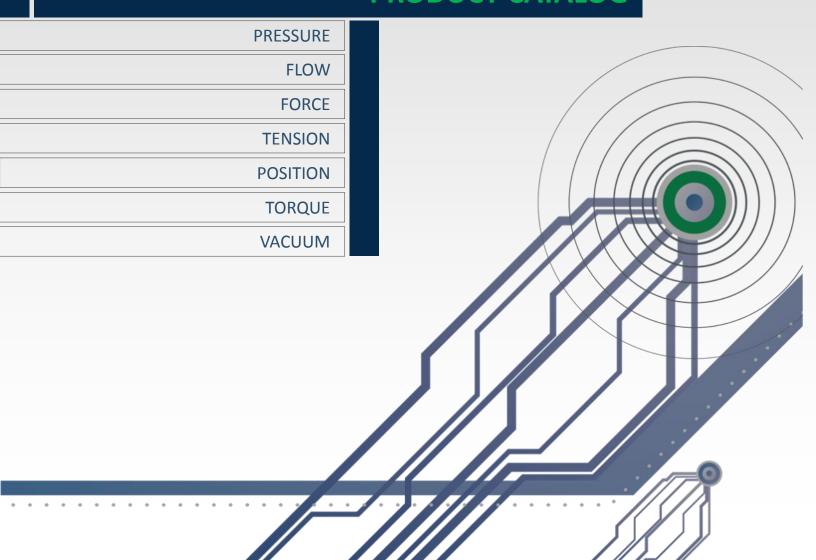


ELECTRO-PNEUMATIC PRESSURE REGULATORS & FLOW CONTROLLERS



PRODUCT CATALOG







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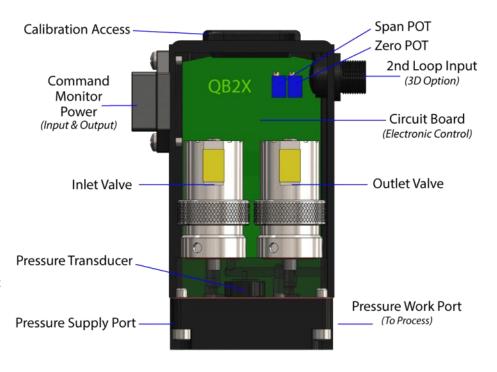
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Advanced Pneumatic Control Technology

Many manufacturing processes demand the need for closed loop pneumatic pressure control. Control loops are a chain of events or processes that always lead back to the point of origin. The feedback loop allows the system to achieve the greatest level of accuracy. Since Proportion-Air is committed to providing the customer with exceptional products and service to meet this demand, all Proportion-Air electro-pneumatic control valves utilize closed loop control technology. Burling manufactures both single and dual closed loop control valves.



Single loop control valves have a built in pressure transducer that constantly monitors control pressure. When an electronic command signal is given, the "commanded pressure" is compared to the actual pressure and the inlet or exhaust solenoid valves are actuated until desired pressure is achieved. Dual loop control valves expand on the single loop operation by combining an additional feedback input (in conjunction with the internal transducer) from another external sensing device. The ability of the dual loop to accept electrical feedback from an external sensor allows precise control of conditions such as pressure of large volume systems, vacuum and flow.

Proportion-Air carries a selection of regulators and sensors to interface with dual loop model valves to meet a variety of applications.



QB1X | QB2X



Optional Digital Display Available Oxygen Service Available

PRESSURE RANGE Full Vacuum to 175 psig (12 Bar)

ACCURACY | REPEATABILITY ±0.2% F.S. | ±0.02% F.S.

MAX FLOW 1.2 SCFM (34 slpm)

PORTS 1/8" NPT

Available with Modbus RS232 & RS485

The QB1X & QB2X electro-pneumatic closed loop pressure control valves are in a compact IP65 housing. Analog monitor output is standard, select 0-10 VDC or 4-20 mA. The dual loop accepts a feedback signal from a wide range of external sensors.

These valves are unaffected by mounting position or vibrations to 25Gs. They operate with standard industrial air filtered to 40 micron while not consuming air in a steady state, reducing operating cost.

These units can be assembled to an air piloted regulator (volume booster) for higher flows up to 3,000 SCFM, higher pressures to 7,000 psig and control of various gaseous and liquid media.

QB1S | QB2S



Optional Digital Display Available Oxygen Service Available

PRESSURE RANGE Full Vacuum to 500 psig (34 Bar)

ACCURACY | REPEATABILITY | ±0.25% F.S. | ±0.05% F.S.

MAX FLOW 1.2 SCFM (34 slpm)

PORTS 1/8" NPT

Available with Modbus RS232 & RS485

The QB1S & QB2S electro-pneumatic closed loop pressure control valves are in a compact IP65 housing. Analog monitor output is standard, select 0-10 VDC or 4-20 mA. The dual loop accepts a feedback signal from a wide range of external sensors.

These valves are unaffected by mounting position or vibrations to 25Gs. They operate with standard industrial air filtered to 40 micron while not consuming air in a steady state, reducing operating cost.

These units can be assembled to an air piloted regulator (volume booster) for higher flows up to 3,000 SCFM, higher pressures to 7,000 psig and control of various gaseous and liquid media.

QB1X | QB2X ETHERNET

PRESSURE RANGE Full Vacuum to 175 psig (12 Bar)

ACCURACY | REPEATABILITY ±0.2% F.S. | ±0.02% F.S.

MAX FLOW 1.2 SCFM (34 slpm)

PORTS 1/8" NPT

Available with Modbus RS232 & RS485

The QB1X & QB2X electro-pneumatic closed loop pressure control valves are in a compact IP65 housing. Analog monitor output is standard, select 0-10 VDC or 4-20 mA. The dual loop accepts a feedback signal from a wide range of external sensors.

These valves are unaffected by mounting position or vibrations to 25Gs. They operate with standard industrial air filtered to 40 micron while not consuming air in a steady state, reducing operating cost.

These units can be assembled to an air piloted regulator (volume booster) for higher flows up to 3,000 SCFM, higher pressures to 7,000 psig and control of various gaseous and liquid media.



Optional Digital Display Available Oxygen Service Available

MM1 | MM2

PRESSURE RANGE Full Vacuum to 175 psig (12 Bar)

ACCURACY | REPEATABILITY $\pm 0.2\%$ F.S. $\mid \pm 0.02\%$ F.S.

MAX FLOW 1.2 SCFM (34 slpm)

PORTS 1/8" NPT

The MM1 & MM2 electro-pneumatic closed loop air pressure control valves re available with DIN rail, panel mount or up to 16 station sub-base manifold mounting. Analog monitor output is standard, select 0-10 VDC or 4-20 mA. Jumper selectable command 0-10 VDC or 4-20 mA.

Common supply and exhaust ports on sub-base manifold for easy plumbing. Adjustable dead band allows field tuning of system stability. The dual loop design accepts feedback signal from a wide range of external sensors.



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 1/4" 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 $\pm 0.5\%$ F.S. $\mid \pm 0.2\%$ F.S.

MAX FLOW 50 SCFM (1,416 slpm)

PORTS %" 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 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 1/2" 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** $\pm 0.25\%$ F.S. $\pm 0.15\%$ F.S.

RESOLUTION ±0.10% F.S.

MAX FLOW 26 SCFM @ 1,000 psi (736 slpm)

PORTS 1/8" 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

PROPORTIONAL PRESSURE CONTROL

QPV1 | QPV2



Optional Digital Display Shown Oxygen Service Available

PRESSURE RANGE Full Vacuum to 150 psig (10 Bar)

ACCURACY | **RESOLUTION** $\pm 0.2\%$ F.S. | *up to* $\pm 0.005\%$ F.S.

MAX FLOW 1 SCFM (28 slpm)

PORTS 1/8" NPT

Available with Modbus RS232 & RS485

The QPV1 & QPV2 is an ultra-high resolution electro-pneumatic closed loop proportional pressure control valve. The QPV utilizes a variable orifice valve on the inlet side which eliminates the digital steps of traditional ON/OFF solenoids. The field adjustable hysteresis potentiometer allows users to virtually eliminate the dead-band of the control circuit, resulting in superior system resolution. Ideal for very sensitive applications such as leak testing at low pressures and dispensing applications.

Analog monitor output is standard, select 0-10 VDC or 4-20 mA. The dual loop design accepts a feedback signal from a wide range of external sensors, including the F-Series flow monitor for closed loop flow control and pressure, vacuum or force transducers.

MPV1 | MPV2

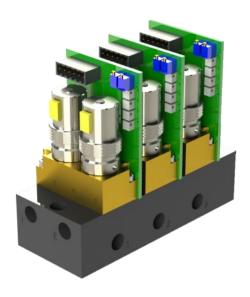


PRESSURE RANGE | Full Vacuum to 150 psig (10 Bar)

ACCURACY | RESOLUTION ±0.2% F.S. | *up to* ±0.005% F.S.

MAX FLOW 1 SCFM (28 slpm)

PORTS 1/8" NPT



The MPV1 & MPV2 is an ultra-high resolution electro-pneumatic closed loop proportional pressure control valve. The QPV utilizes a variable orifice valve on the inlet side which eliminates the digital steps of traditional ON/OFF solenoids. The field adjustable hysteresis potentiometer allows users to virtually eliminate the dead-band of the control circuit, resulting in superior system resolution. Ideal for very sensitive applications such as leak testing at low pressures and dispensing applications.

Common supply inlet and exhaust ports with manifold mount assembly. MPV2 accepts feedback signal of pressure, vacuum or force. DIN Rail, panel mount or up to 16 station sub-base manifold mounting options available.

PROPORTIONAL PRESSURE CONTROL

SPV1 | SPV2

PRESSURE RANGE Full Vacuum to 150 psig (10 Bar)

ACCURACY | REPEATABILITY | ±0.2% F.S. | *up to* ±0.02% F.S.

MAX FLOW 1 SCFM (28 slpm)

PORTS 1/8" NPT

The SPV is a high resolution electro-pneumatic closed loop proportional pressure control valve. It uses a variable orifice inlet valve which eliminates the digital steps of traditional ON/OFF solenoids.

The field adjustable hysteresis potentiometer allows users to virtually eliminate the dead-band of the control circuit, resulting in superior system resolution. Its small foot print makes it a space saver. Analog monitor output signal is 0-10 VDC.



QL3

PRESSURE RANGE 0-5 psig through 0-125 psig (8.6 Bar)

ACCURACY | REPEATABILITY ±0.4% F.S. | ±0.05% F.S.

MAX FLOW 25 SCFM (708 slpm)

PORTS 1/4" NPT

Available with Modbus RS232 & RS485

The QL3 electro-pneumatic closed loop pressure control valves are in a compact IP65 rated housing. The QL3 allows high volumes of air to move quickly and precisely using proportional solenoid valves with a unique analog PID circuit. Ideal for use with flow meters, it provides high resolution and smooth pressure control at high and low flow rates and avoids the "steps" prevalent in most feed and bleed I/Ps. The pneumatic output is proportional to the input command signal.

Analog monitor output 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 and manifold mount.



Optional Digital Display Available Oxygen Service Available

HAZARDOUS AREA PRESSURE CONTROL

ISQB1



PRESSURE RANGE 0 to 150 psig (10 Bar) **ACCURACY | REPEATABILITY | ±0.5% F.S. | ±0.2% F.S.** MAX FLOW 0.8 SCFM (23 slpm)

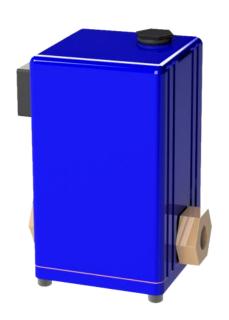
PORTS 1/8" NPT

The ISQB1 is an intrinsically safe-Factory Mutual (Class I, II, III, Division 1 Groups C, D, E, F, G) electro-pneumatic closed loop pressure control valve offered with standard 4-20 mA analog command signal. It can be assembled to air piloted regulator for high flow, higher pressure and various media.

HAZARDOUS AREA CLASSIFICATION

ISQB: Rated intrinsically safe and is Factory Mutual approved for Class I, II & III, Division 1, Groups C, D, E, F, & G.

ISF1



PRESSURE RANGE Full Vacuum to 150 psig (10 Bar) **ACCURACY | REPEATABILITY** $\pm 0.5\%$ F.S. $\mid \pm 0.2\%$ F.S. MAX FLOW 0.8 SCFM (23 slpm) PORTS 1/8" NPT

Hazardous media such as natural gas can be directly controlled with the ISF1 Nonincindive-Factory Mutual (Class II, Division 2 Groups C, D) electro-pneumatic closed loop pressure control valve. Offered with standard 4-20 mA analog command signal and 13.5 to 29 VDC supply voltage. Can be assembled to air piloted regulator for high flow, higher pressures and various media control.

HAZARDOUS AREA CLASSIFICATION

ISF1: Nonincindive for use in Class II, Division 2, Groups C and D T4; Type 4X hazardous (classified) locations and suitable for use in Class II, Division 2, Groups E, F and G T4; Type 4X hazardous (classified) locations.

FLOW MONITORS

F-SERIES

PRESSURE RANGE up to 150 psig (10 Bar)

ACCURACY | REPEATABILITY ±4% F.S. | ±0.25% F.S.

MAX FLOW 250 SCFM (7,080 slpm)

PORTS ¼ to 1½" NPT

FR flow monitor is a pressure regulated mass flow transducer which provides flow measurement in real time, less than 10ms. There are no moving parts and it is immune to vibration up to 25G. They operate with standard industrial air filtered to 40 micron. Saturated or lubed air will not affect the F-Series performance.

It is an ideal flow monitoring device where real time flow measurement is critical to a process. Analog outputs of 0-10 VDC and 4-20 mA are available. It can be teamed up with a Proportion -Air flow controller for closed loop flow control. The FR flow monitor can be calibrated for a variety of inert gases. Pressure compensated models also available.



Optional Digital Display Shown
Oxygen Service Available

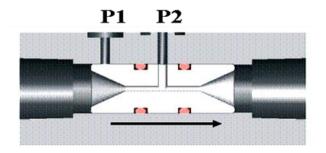
FLOW CONTROL

Real-time flow control meets the challenges of "high cycle" production

The high cycle rates of many manufacturing processes call for flow control that reacts immediately to system changes. Most flow meters monitor the flow by sensing physical changes in resistance or temperature then using this information to calculate and output the result. These devices are relatively slow with update rates from one or two hundred milliseconds to several seconds. These lengthy update times are often so slow that the cycle is complete before the actual flow rate can be determined.

Proportion-Air's F-Series flow monitor senses differential pressure across a calibrated venturi. Its output is virtually instantaneous <10ms and is continuous.

Differential Pressure Based Flow Measurement



FLOW CONTROL

FQPV2



Optional Digital Display Available Oxygen Service Available

PRESSURE RANGE up to 150 psig (10 Bar) **ACCURACY | REPEATABILITY** ±4% F.S. | ±0.25% F.S. MAX FLOW 1 SCFM (28 slpm)

PORTS 14" to 11/2" NPT

The FQPV/F-Series closed loop flow control is built in a compact IP65 rated housing. The FPQV compares the command signal from the customer's controller with feedback from the F-Series flow transducer for active closed loop control. The unit controls the flow of air & a variety of inert gases.

These assemblies are unaffected by mounting position or vibrations to 25Gs. They operate with standard industrial air filtered to 40 micron.

Minimum inlet pressure is 15 psig.

FQB3



Optional Digital Display Available Oxygen Service Available

PRESSURE RANGE up to 150 psig (10 Bar) **ACCURACY | REPEATABILITY** | ±4% F.S. | ±0.25% F.S. MAX FLOW 25 SCFM (708 slpm) PORTS 1/4" to 11/2" NPT

The FQB3/F-Series can be used for closed loop flow control. The FQB3 compares the command signal from the customer's controller with feedback from the F-Series flow transducer for active closed loop control. This series offers a flow monitor and control valve assembly with a <10ms response time.

A variety of command signals are available on the FQB3. The assembly operates with standard industrial air filtered to 40 micron. Saturated air and lubed air will not affect performance. Optional digital display is available.

317.335.2602

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FLOW CONTROL

FQB2/PSR

PRESSURE RANGE up to 150 psig (10 Bar)

ACCURACY | REPEATABILITY ±4% F.S. | ±0.25% F.S.

MAX FLOW 250 SCFM (7,080 slpm)

PORTS 11/2" NPT

The FQB2/PSR/F-Series allows for high flow closed loop flow control offering active "real time" flow control. The FQB2 compares the command signal from the customer's controller with feedback from the F-Series flow transducer for active closed loop control. The pressure compensated model controls flow regardless of input pressure fluctuation (up to 50% fluctuation). They can be used to control the velocity of pneumatic cylinders with great repeatability.

Standard industrial air quality filtered to 40 micron will not harm this controller. Saturated air and lubed air will not affect performance.



Optional Digital Display Available
Oxygen Service Available

FCV

PRESSURE RANGE up to 250 psig (17 Bar)

ACCURACY | RESOLUTION ±5% F.S. | ±0.3% F.S.

VALVE Cv 0 to 19 Linear to Command

PORT 1" NPT

303 Stainless Steel Valve Body with 300:1 Turndown Ratio

The FCV flow control valve is a robust flow control product that compares a command signal input with feedback from an on-board LVDT to proportionally control Cv. The maximum valve travel is 1 inch. An analog monitor output showing position of the plug from the seat can be used for data acquisition. A double-lip radial seal takes the place of standard valve packing so packing nut adjusting is eliminated. Seal replacement and seat replacement can be accomplished without removing the valve body from piping.



The FCV is available with 0-10 VDC differential or 4-20 mA differential command signal. Valve position monitor can be 0-10 VDC or 4-20 mA. Parabolic valve trim allows output to be linear and proportional to command input. Reduce trim of 3/4" available. The FCV contains a replaceable seat and trim.

info@proportionair.com 13

PRESSURE TRANSDUCERS

DS SERIES



PRESSURE RANGE Full Vacuum to 7,000 psig (483 Bar)

DSB & DSW ACCURACY | REPEATABILITY ±0.2% F.S. | *up to* ±0.02% F.S.

DST ACCURACY | REPEATABILITY ±0.5% F.S. | *up to* ±0.25% F.S.

PORTS 1/4 and 1/8" NPT and BSPT

For air, gases and liquids (stainless steel optional)

The DS Series pressure transducers offer high accuracy, cost effective pressure transducers for vacuum only, vacuum through positive pressure or positive pressure only. The lowest calibrated positive pressure range is 0-12 inches of water column.

The DS Series provides wide pressure ranges from vacuum through 7,000 psig (483 bar) and field adjustable zero and span potentiometers. Available for either voltage or current outputs.

Oxygen Service Available

DSL



PRESSURE RANGE Full Vacuum to 30 psig (2 Bar)

DSL ACCURACY | REPEATABILITY ±0.2% F.S. | *up to* ±0.02% F.S.

PORTS 10-32 Pnuematic Connection

For air and inert gases



Product Catalog v3.1

The DSL is a transducer which senses gauge vacuum and positive pressure and converts this to a 0-10 VDC analog electrical output signal. The 0-10 VDC output signal is a linear ratio to the sensed pressure. The device output signal is independent of the supply voltage. It can be calibrated any range of pressure from full vacuum up to 30 psig (2 bar).

The DSL utilizes piezo-resistive strain gauge sensor housed in a miniature rugged anodized aluminum canister. A strain relief protects the wiring from excessive pulling force. Multiple cable lengths available.

Oxygen Service Available

ProportionAir.com 317.335.2602 info@proportionair.com



<u>Dual loop technology</u>: This provides us the capability to control *virtually* any media at any flow rate and any pressure without sacrificing accuracy and repeatability. It also allows us to take feedback from more than just a pressure transducer. With a properly configured dual loop unit we can take feedback from a vacuum transducer, force transducer, torque, flow or position transducer.

PID loops no longer need tuned in your controller. Proportion-Air's dual loop technology makes proportional control easy. It is already done within the unique Proportion-Air analog circuit. You may need to ramp pressure (or vacuum, or force, or torque, or flow, or position) up and down – the QB2 will track the ramped signal from the PLC or computer and achieve the control setting required.

Accuracy: The downstream pressure transducer senses pressure on the work port of the pressure regulator and allows the QB2 to compensate for inaccuracy brought about by the mechanical properties of the regulator.

Repeatability: High flow capability, hydraulic or pneumatic media capability, more simple-to-use control and extremely repeatable: the same conditions with the same command signal from the same direction can have repeatability as high as 0.02% of full scale calibration.

High flow: Pressure reducing or back pressure regulators are available as large as 6 inch flange mount.

Data Acquisition: Just like other Proportion-Air electronic pressure regulators, the QB2 has an analog output that comes from the controlling transducer. This signal in a dual loop device comes from the downstream transducer.

info@proportionair.com 15



Energy Savings for Compressed Air Systems

PROBLEMS

- Long term compressor cost is electricity
- Every 10 psig increase in pressure (generally) requires about 5% more power to produce
- Plant & header pressure can experience a 15 psig swing
- Compressors often struggle to maintain a buffer in reservoir

Pro-Air Mizer SOLUTION

- Header pressure maintains a buffer and remains stable and consistent, providing optimal capacitance
- Average amp draw is greatly decreased
- When plant pressure is set at 85 psig (example pressure), the Pro-Air Mizer manages and delivers 85 psig to all drops with virtually zero variance
- Artificial demand is eliminated and capacity is stored as reserve energy
- Thousands of dollars less than the competition and just as accurate
- Very simple to install

TYPICAL CONTROL PACKAGE COMPONENTS & POTENTIAL RANGES



Electro-Pneumatic
Pressure Regulator

(QBX shown)

Up to 1000 psig (69 bar) direct control available



DS Pressure Transducer

Accuracy up to ±0.2% (DSY Shown)



Volume Booster (R -Series Shown)

Flows up to 10,000 SCFM (4,720 lit/sec)



Control Box

(box is optional) -Provides switching capability between remote and local control of the regulator assembly



Example Part Number

QB2XANEEZP100PSG3DBFTF R000CN DSTY00ZP100PSGA

0-100 pressure control | up to 2,000 scfm

And higher



SATURATED STEAM CONTROL

BD-SERIES

- Closed loop device with 4-20 mA command (Electronic Pilot)
- Works with standard industrial air, no instrument air required (Electronic Pilot)
- Available in single or dual loop configuration (Electronic Pilot)
- Fails closed at loss of power to maintain pressure (Electronic Pilot)
- No dithering of the command is required
- Automatically maintains correct pressure (temperature) at all times
- No dithering extends diaphragm life even further
- Carbon steel, flange mount body



THE TEMPERATURE OF SATURATED STEAM IS DIRECTLY PROPORTIONAL TO THE PRESSURE

Why replace your process valve with the BD-Series?

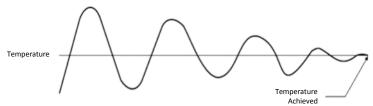
Highly sophisticated

Expensive package

Many parts for total system

Requires trained operator

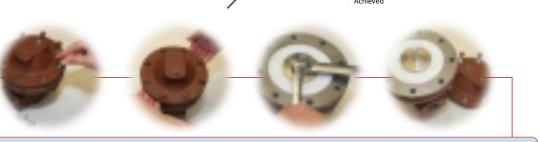
Process Valve (Old Way)



Mold temperature was achieved in 10 min vs. 45 min - the old way

Proportion-Air (New Way)

Temperature



REPLACE & REPAIR INTERNAL COMPONENTS WITHOUT REMOVING FROM LINE



PRESSURE REGULATORS (Volume Boosters)

PSR

MAX OUTLET PRESSURE up to 200 psig (14 Bar)

MAX FORWARD FLOW 700 SCFM (19,822 slpm)

MAX RELIEF FLOW 12 SCFM (340 slpm)

PORTS 1/4 to 11/2" NPT



R000B & R000C

MAX OUTLET PRESSURE up to 300 psig (21 Bar)

MAX FORWARD FLOW 2,000 SCFM (56,633 slpm)

MAX RELIEF FLOW 200 SCFM (5,663 slpm)

PORTS 1½" and 2" NPT



RM SERIES

MAX OUTLET PRESSURE up to 300 psig (21 Bar)

MAX FORWARD FLOW 550 SCFM (15,574 slpm)

MAX RELIEF FLOW 200 SCFM (5,663 slpm)

PORTS 1/4 to 11/2"NPT



RV SERIES (Vacuum)

MAX OUTLET PRESSURE 0 to 29.9 inches Hg Vacuum (0-759 mmHg)

MAX FORWARD FLOW 45 SCFM (1,274 slpm)

PORTS 1/4 to 11/2"NPT



RP SERIES

MAX OUTLET PRESSURE up to 350 psig (24 Bar)

MAX FORWARD FLOW 250 SCFM (7,079 slpm)

PORTS 1/4 to 11/2"NPT

Oxygen Clean Available



PRESSURE REGULATORS (Volume Boosters)

RG2712 & RG2713



MAX OUTLET PRESSUREup to 150 psig (10 Bar)MAX FORWARD FLOW45 SCFM (1,274 slpm)MAX RELIEF FLOW11 SCFM (311 slpm)

PORTS 14" and 36" NPT

RG0003



MAX OUTLET PRESSURE up to 100 psig (6.9 Bar)

MAX FORWARD FLOW 1 Gal/min (3.7 lit/min)

PORTS 1/4" NPT

For Liquids | Stainless Steel Available

RG873V



MAX OUTLET PRESSURE up to 6,000 psig (414 Bar)

MAX FORWARD FLOW 150 SCFM (4,248 slpm)

PORTS 1/4" Inlet and 1/2" Outlet (NPT)

Self-Venting

RQ



MAX OUTLET PRESSURE up to 250 psig (17 Bar)

MAX FORWARD FLOW 700 SCFM (19,822 slpm)

MAX RELIEF FLOW 120 SCFM (4,000 slpm)

PORTS 1/4" to 11/4" NPT

RG1262 & RG1262-1500



MAX OUTLET PRESSURE up to 6,000 psig (414 Bar)

FLOW COEFFICIENT (Cv) 0.05

RATIO REGULATORS 45:1 and 15:1

PORTS 1/4" NPT

Self-Venting

ACCESSORIES

DC

POTENTIOMETER



- Rotary potentiometer command signal generators
- Signal conditioned to provide a linear analog output signal
- Available as 0-10 VDC or 4-20 mA output signal
- Available in one-turn and ten-turn design
- Available with numeric indicator

FPP

IN-LINE FILTER



- 1/8, 1/4, 3/8 and 1/2 NPT
- 40 100 micron filtration
- · Brass construction standard
- Stainless steel version available
- Compact size
- Low pressure drop

US1 & US2

ULTRASONIC SENSOR



- Provides non-contact position sensing
- Variety of analog outputs
- Analog output is proportional to distance measured
- Range of operation is field scalable
- Detects objects from 6.5 inches (0.17m) to 37 feet (11.3m)
- Field adjustable distance settings
- Includes two field adjustable switch settings
- RS-232 compatible



- Non-contact sensing 1.7 inches (0.04m) to 14 feet (4.2m)
- Rugged stainless steel housing
- Analog output proportional to distance measured
- User adjustable settings for application flexibility
- LED indication of target status (In range, no target, too close)

ACCESSORIES

PANEL METER

PM-1, 3 & 4

- 3-1/2 digit panel meter display
- LED is visible in almost any application environment
- 200 mA maximum power requirement
- 15 VDC power is standard
- Optional 12 to 24 VDC power
- 3-1/2 digit panel meter display
- LCD display
- 100 mA maximum
- 12 to 15 VDC power standard
- Optional 24 VDC power
- 4-1/2 digit LED panel meter display
- LED is visible in almost any application environment
- 225 mA maximum power
- 8 VDC to 18 VDC power



PM-3



PM-4



PS4515, PS4524 PS300 & SELECT 6

POWER SUPPLY

• 2.8 A (PS4515) or 2.0 A (PS4524) output current

• 15 VDC (PS4515) or 24 VDC (PS4524) output voltage

- 110 to 240 VAC input power
- DIN rail mounted, high efficiency and low working temperature
- CE & UL approved with built in EMI filter and low ripple noise
- 15 VDC ouput voltage, 600 mA output current
- 110 or 220 VAC input power options
- Power indicator LED
- Safety fuse protected
- 15 VDC output voltage, 600 mA output current
- Allows up to six user adjustable voltage outputs
- Can be configured with remote potentiometers
- Wide range of select inputs & power voltage in both AC or DC

PS4515/24



SELECT 6

PS300



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PROPORTION-AIR

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Authorized Local Distributor:

Handcrafted in the USA
ISO 9001-2015 Certified



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