



Product Data

PXP*3

Analog Current or Voltage Input to Pneumatic Output Dual and Single Valve, Standard and Fail Safe

Product Description

The PXP*.3 is an electric to pneumatic transducer which converts an analog electrical input signal to a proportional pneumatic output. The PXP*.3 will automatically modulate its control valve(s) to regulate the branch line pressure to the selected set point as determined by the input signal.

The PXP*.3 offers four selectable input ranges of that produce a 0 to 15 psig modulating output (See EPC product for 0 to 20 psig outputs). A 0-5VDC feedback signal indicating the resultant branch line pressure is also provided.

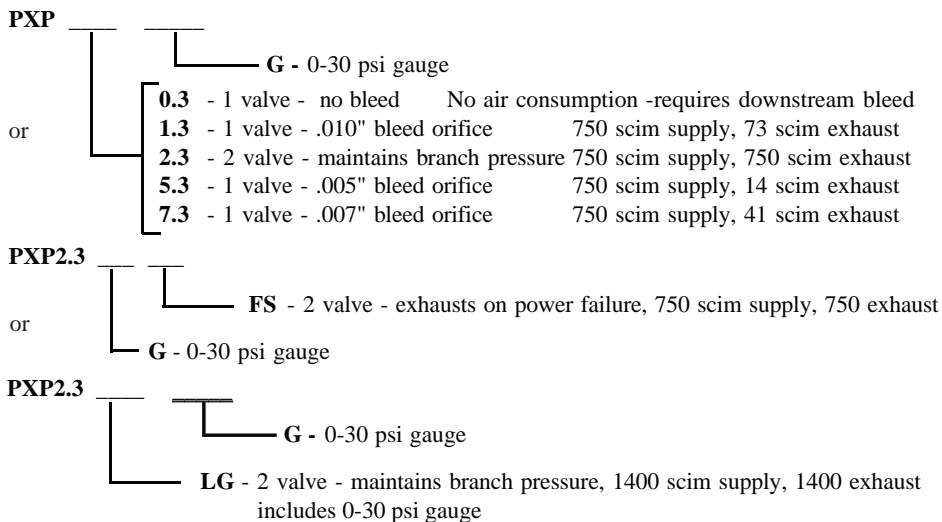
The PXP0.3 is a single valve version that does not bleed or exhaust air. Its operation depends on the pneumatic circuit where it is installed to consume between 14 and 73 scim.

The PXP1.3, 5.3, and 7.3 are constant bleed controllers with branch exhaust response time determined by the bleed orifice size and pressure differentials (see ordering information). If power fails, the PXP1.3, 5.3, or 7.3 will continue to bleed through the bleed orifice until branch pressure is zero psig.

The PXP2.3 incorporates two valves and does not use air at set point. It's branch exhaust flow and response time are not limited by an internal restrictor and are similar to its load rate. If power fails to the PXP2.3, branch line pressure remains constant if the branch line does not leak air. FAIL SAFE: The PXP2.3FS is equipped with a N.O. branch exhaust valve which allows exhaust of branch air on power failure. A manual override (jumper selectable) which controls the output pressure is provided for setup and troubleshooting.

The PXP*3 is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: www.workaci.com.

Specify:



See reverse side for product specifications

Wiring Diagrams available at www.workaci.com

Interface Devices



Attributes:

- **QUIET operation for dual valve models**
- **Field selectable analog input ranges**
- **Analog feedback on branch pressure**
- **Manual Override**
- **Snap track included**

Applications:

- **3 Way Mixing Valve control**
- **Chiller loading**
- **Pilot Positioner control**
- **Pneumatic Valve and Damper Actuator control**
- **DDC control**
- **Compressor staging**



Made in the **USA**

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TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

GAS SENSORS

ACCESSORIES

INTERFACE DEVICES

Product Specifications

Electrical Requirements

Supply Voltage	24VDC (+ 10%/- 5%) 24VAC (+/- 10%)
Supply Current	160mA max, 200mA max on fail-safe model
Input: Range and Impedance	0-5VDC / 10,000ohms, 0-10VDC / 10,000ohms, 0-15VDC / 10,000ohms, 0-20mA / 250 ohms. When MAN Jumper is Selected, Output Varies from Potentiometer
Feedback Output Signal Range	0-5VDC = 0-15 psig.
Supply Pressure	Maximum 25 psig, minimum 18 psig
Output Pressure Range	0 to 15 psig.
Accuracy	1% full scale at room temp. 2% full scale across operating temp range
Air Flow	Supply valves @ 20 psig (138kPa) main/ 15 (103kPa) out, 750scim standard, 1400scim LG version. Branch line requires 2 cubic inches minimum (35' Min 1/4" Tubing)
Filtering:	Furnished with integral-in-barb 80-100 micron filter (Part # PN004) Optional standard barb (PN002) with external 5 micron in-line filter (PN021) provides 1400 scim rate (LG version).
Operating Temperature	32 to 120 deg F (0 to 48.9 deg C)
Operating Humidity Range	5 to 95% non-condensing
Approval	RoHS

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