

# EPP4 PROPORTIONAL AIR PRESSURE REGULATORS - BASIC SERIES

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The EPP4 family is an electro pneumatic pressure regulator. The BASIC range precision is based on a reliable design: a pulsed width modulated solenoid valve controls the output pressure proportionally to an analog input signal.

**PART NUMBER:**  
P4BG2001A008

**PORT SIZE:**  
1/4"

**THREAD TYPE:**  
BSP

**PRESSURE RANGE (BAR):**  
0-7

**CONTROL METHOD:**  
0-10V

**OXYGEN VERSION:**  
No

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**WHERE TO BUY**

**PRODUCT OVERVIEW****TECH SPECIFICATIONS**

Print Tech Specifications

**PERFORMANCE CHARACTERISTICS****PORT SIZE**

1/4"

**THREAD TYPE**

BSP

**PRESSURE RANGE (BAR)**

0-7

**CONTROL METHOD**

0-10V

**OPERATING TEMPERATURE (C)**

0 - +50

**MAXIMUM FLUID TEMPERATURE (C)**

50

**MINIMUM FLUID TEMPERATURE (C)**

0

**INLET PRESSURE RANGE (BAR)**

1 - 12

**OUTLET PRESSURE RANGE (BAR)**

0.05 - 10

**HYSTERESIS (MBAR)**

+/- 50 (factory set up)

**INPUT SUPPLY VOLTAGE**

24 VDC (+/- 15 %, max. ripple 1)

**POWER CONSUMPTION (W)**

Max. 2.8 (at 24 VDC)

**MAXIMUM FLOW RATE (M3/H)**

70 / 150 / 1000 / 2700

**ADDITIONAL SAFETY FEATURE**

In case of control signal failure or if it is less than 50mV, the regulated pressure drops automatically to 0 bar (atmospheric pressure). In case of voltage supply failure, the regulated pressure will be kept constant.

**ELECTRICAL CONNECTION**

M12 - 4 pin; 4 x 0.34 mm<sup>2</sup>

**OPERATIONAL LIFE EXPECTANCY**

> 50 Million changes of control signal steps

**MOUNTING**

Any Position (recommended: upright; electronic parts on top)

**VIBRATION RESISTANCE**

30g (in all directions)

**DEGREE OF PROTECTION (IP)**

IP65

**MATERIALS OF CONSTRUCTION**

Silicone Free

**CERTIFICATES**

EN 61000-6-1: 2001 | EN 61000-6-2: 2001 | EN 61000-6-3: 2001 |  
EN61000-6-4:2001

**FLUID COMPATIBILITY**

Lubricated & Non-Lubricated Air and Neutral Gases

**FILTRATION RATINGS**

50 microns

**AIR CONSUMPTION (SCFM)**

0 (at constant control signal)

**ATEX RATED**

No

**OPTIONS**

-

**CONFIGURATION TYPE**

Non-Configurable

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**CAD**

**PRODUCT SUPPORT**

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## CONTACT US

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