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# EPP4 Proportional Pressure Regulator

Part #: P4CG2001C002



EPP4 Electro Pneumatic Pressure regulator designates a set of proportional pressure regulators with integrated electronic system. The range is wide, from 1/4" to 2" ports, 0 to 20 bar regulated pressure and includes ATEX certified versions.

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## Technical Specifications

|                              |                                                                                                      |                                |                                                                                 |
|------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------|
| Control Signal:              | 4 - 20 mA                                                                                            | Minimum Pressure Differential: | signal                                                                          |
| Maximum Regulating Pressure: | 10 bar                                                                                               | Maximum Pressure Differential: | 0 bar                                                                           |
| Electrical Connection:       | M12 - 8 pin; male connector power supply/control signal                                              | Minimum Regulating Pressure:   | 12 bar                                                                          |
| For Fluid Type:              | Lubricated or non lubricated air,neutral gases                                                       | Maximum Flow Rate:             | 0.05 bar                                                                        |
| Options:                     | -                                                                                                    | Operational Life:              | 70 m3/hour                                                                      |
| Port Size:                   | 1/4" BSP                                                                                             | Protection Mode:               | > 50 Million changes of control signal steps                                    |
| Filter Efficiency Rating:    | 50 micron                                                                                            | Specifications Met:            | IP65                                                                            |
| Minimum Ambient Temperature: | 0 °C                                                                                                 | ATEX Specifications Met:       | EN 61000-6-1: 2001   EN 61000-6-2: 2001   EN 61000-6-3: 2001   EN61000-6-4:2001 |
| Maximum Ambient Temperature: | +50 °C                                                                                               | Materials of Construction:     | -                                                                               |
| Hysteresis:                  | ± 50mbar (factory set up)                                                                            | Vibration Resistance:          | Silicon free                                                                    |
| Power Supply Voltage:        | 24V DC ± 15% (Max. ripple 1V)                                                                        | Mounting Position:             | 30g (in all directions)                                                         |
| Power Consumption:           | Max. 2.8 W with 24 V DC and constant changes of the control signal < 1.5 W without change of control |                                | Indifferent (recommended position: upright; electronic part on top)             |

[Safety Warning](#)

## Item Information

EPP4 electro pneumatic pressure regulator range with integrated electronic system provides highest accuracy thanks to a high precision closed loop signal. The regulator is also designed to achieve the best reliability thanks to a piston concept.

Features/benefits:

- All parameters fully adjustable through the PC software Calys
- Easy to use software
- Long life expectancy
- Compact and light
- Limited inventory
- Low power

- Low hysteresis
- High reliability (air <50µm)
- Markets:
- Industrial
- Process

- Industries:
- Welding
  - Speed and brake control
  - Sanding
  - Cutting
  - Humidification
  - Tension regulation
  - Painting
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