

SERIES PRE
PROPORTIONAL PRESSURE
REGULATOR WITH
COILVISION TECHNOLOGY



SERIES PRE DIGITAL PRESSURE MANAGEMENT

- 'CoilVision technology' for diagnostics and health status analysis
- Compatible with OXYGEN
- Control parameters can be customised
- Configuration flexibility
- IO-Link version
- Version with and without display
- Manifold version
- Version with integrated exhaust valve
- ATEX - UL CSA certificate
- 5 bit preset version for a maximum of 32 different pressures
- Modular with Series MD



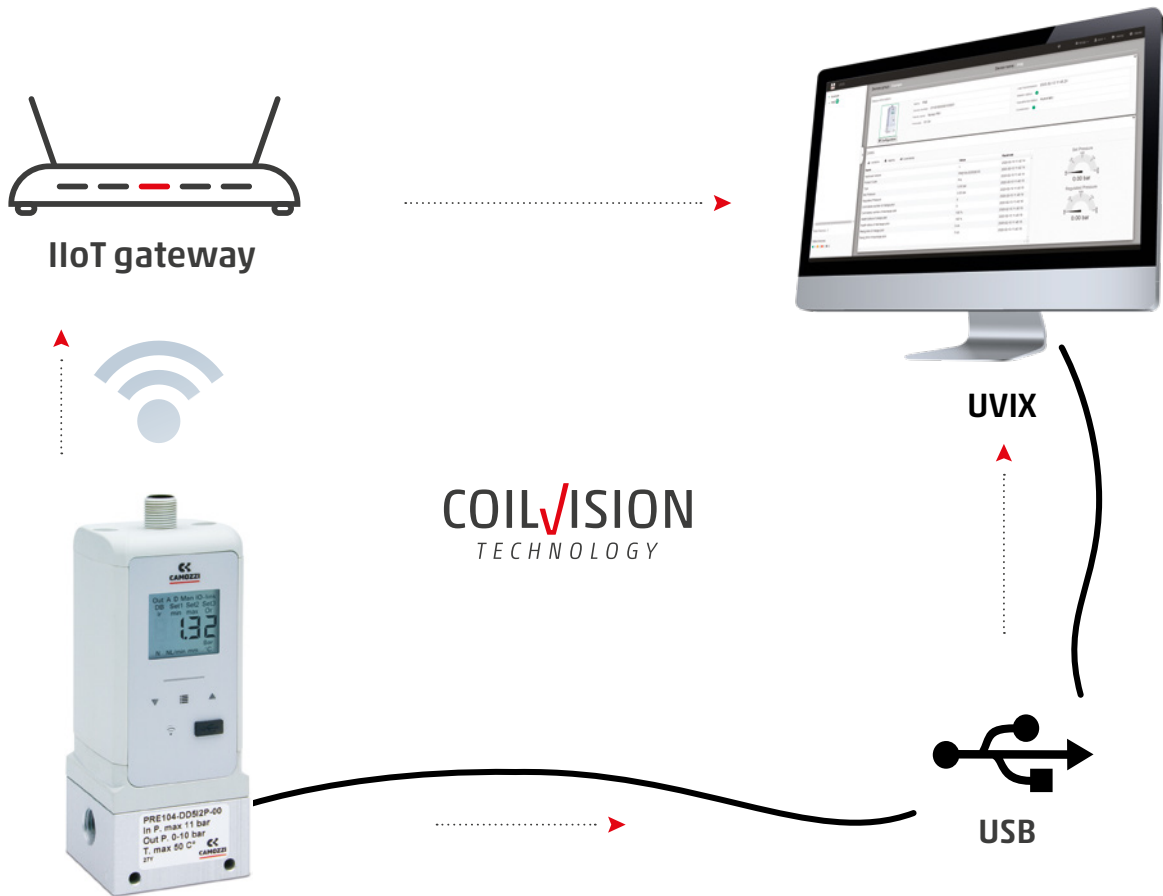
The Series PRE proportional pressure regulator is equipped with a new technology, CoilVision, which constantly monitors the operation of the solenoids in the regulator to assess their health status.

All data generated by the regulator can be transmitted wirelessly, for logging, aggregation and analysis and can be viewed through the UVIX software, downloadable from the Camozzi Catalogue website.

The Series PRE is available in two sizes and in different configurations, including IO-Link connectivity. As well as the standard options with and without display, there is a version with an integral exhaust valve, which enables the system to exhaust even without a power supply.

A manifold version enables the control of several outlets with only one inlet, while a version with an additional external sensor connection enables pressure control at any point in the system.

COILVISION DIAGNOSTICS



General data

Standard of reference	CE; RoHS; ATEX; UL-CSA		
Controlled quantity	pressure		
Number of ways	3 ways		
Flow (Qn)	PRE104 - 1100 l/min - PRE238 - 4600 l/min		
Media	Filtered and non-lubricated compressed air of class 7.4.4 according to ISO 8573.1 Inert gases and oxygen		
Min & max regulated pressure (bar)	0 - 1 bar (0-14,5 PSI)(B) 0,03 - 4 bar (0,43-58 PSI) (E)	0,05 - 10,3 bar (0,72-150 PSI)(D) 0,05 - 7 bar (0,72-101,5 PSI) (G)	0,05 - 6 bar (0,72-87 PSI (F)
Maximum inlet pressure	2 bar (B) - 5 bar (E) - 11 bar (D); (G) ed (F)		
External sensor (optional)	input signal 0-10 V DC or 4-20 mA		
Resolution (% FS)	0,3 (size 1) - 0,6 (size 2)		
Fluid temperature (min and max °C)	0 - 50 °C		
Environmental temperature (min and max °C)	0 - 50 °C		
Pneumatic ports	G1/4 - G3/8 - 1/4NPTF		
Materials	body: aluminium - cover: technopolymer - seals: NBR or FKM		
Supply voltage (V)	24 V DC		
Command signal	0-10V (2); 4-20 mA (4); 5 bit Digitale (D); IO-Link (I)		
Hysteresis (% FS)	0,5% (size 1) 0.7% (size 2)		
Power consumption	Max 0,5A (Envisage a power supply of at least 1A)		
Type of electrical connection	M12 5 Pin Male (IO-Link) M12 8 Pin Male (Analog and PreSet) M12 12 Pin Male (version with external sensor)		
IP protection class	IP65		
Repeatability (% FS)	0,4		
Linearity (% FS)	0,4		
Modularity	with Series MD		
PRE in IO-Link version	V1.1 according to standard IEC 61131-9 / 61131-2		
Feedback signal	0-5 V DC and 4-20 mA (always present in the version with analog command signal (2) (4))		

Contacts

Camozzi Automation S.p.A.

Società Unipersonale
Via Eritrea, 20/I
25126 Brescia
Italy
Tel. +39 030 37921
info@camozzi.com

Customer Service

Tel. +39 030 3792790
service@camozzi.com

Export Department

Tel. +39 030 3792262
sales@camozzi.com

