

PROPORTIONAL PRESSURE REGULATOR SERIES PME



CANopen
READY

Compact, light and without compromise

The Series PME proportional pressure regulator is the ideal solution for industrial applications that require accurate pressure control. This new pressure regulator offers a high performance, despite having its weight and dimensions reduced to a minimum to allow greater flexibility in its use.

Series PME is available in two sizes and versions. One version has an integrated exhaust valve that allows the system to discharge even in the absence of power. The second is a manifold version, ideal for controlling several outlets with only a single air inlet. A new CANopen serial version is also available. Ideal for controlling multiple controllers on a single fieldbus and for applications that need to operate within a wide supply voltage range (12÷24 V DC). Each has been designed to meet a wide range of applications and to guarantee reliable and precise control across the entire system.

BENEFITS



Manifold version



CANopen version



**Integrated
exhaust valve version**



Modular with Series MD



Compact and essential



**Configuration App
that uses NFC technology**

General data

Standard of reference	CE
Controlled quantity	Pressure
Number of ways	3
Flow (Qn)	PME104 - 1100 NL/min PME238 - 4600 NL/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)	0,05 - 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	11 bar (D); (G) and (F)
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	G1/8 - G1/4 - G3/8 - 1/4 NPTF
Materials	body: aluminium - cover: technopolymer - seals: NBR or FKM
Supply voltage (V)	12 ÷ 24 V DC (only for CANopen version)
Command signal	0-10V (2); 4-20 mA (4); CANopen (C)
Hysteresis (% FS)	0,5% (Size 1) 0,7% (Size 2)
Power consumption	From minimum 110 to maximum 200 mA (see further details in the product manual)
Type of electrical connection	M12 5 Pin Male
IP protection class	IP65
Repeatability (% FS)	0,4
Linearity (% FS)	0,4
Modularity	with Series MD
App for mobile device	Download from Google Playstore (NFCamApp)
CANopen Profile	CiA 301 and CiA 408 (using serial communication a multitude of feedback information is available, like the set pressure value or the communication errors, that are not present on the other versions of the Series PME)

Coding example

PME	1	04	-	E	D	5	I	2	E	-	00
PME	SERIES										
1	SIZE 1 = Size 1 2 = Size 2										
04	CONNECTION PORT 04 = G1/4 M4 = G1/4 Manifold N4 = 1/4 NPTF Manifold M8 = G1/8 Manifold (only size 1) 38 = G3/8 (only size 2) 14 = NPTF 1/4 (only size 1) 08 = G1/8 (only size 1)										
E	DIAGNOSTICS E = Without WiFi No Diagnostics										
D	WORKING PRESSURE F = 0-6 bar (standard for OX1 version with internal servo-pilot supply) G = 0-7 bar (OX1 versions only with external servo-pilot supply with air) D = 0-10,3 bar (OX1 versions only with external servo-pilot supply with air)										
5	VALVE FUNCTION 5 = Standard, 3-way NC version. Size 1 and 2 with port 3 and pilot exhaust not conveyable. 6 = Version with integrated exhaust valve (maximum working pressure F or G). Size 1 and 2 with port 3 and pilot exhaust not conveyable. 7 = Standard, 3-way NC version. Size 1 and 2 with port 3 and pilot exhaust conveyable. 8 = Version with integrated exhaust valve (maximum working pressure F or G). Size 1 and 2 with port 3 and pilot exhaust conveyable.										
I	PILOT SUPPLY I = Internal E = External										
2	COMMAND SIGNAL 2 = 0-10V 4 = 4-20mA C = CANopen										
E	FEEDBACK DIGITAL OUTPUT SIGNAL N = without digital output (only with CANopen version) P = pressure switch (only with input signal 2, 4) E = error (only with input signal 2, 4) W = pressure switch with "window" function (only with input signal 2, 4)										
00	CABLE LENGTH 00 = No cable 5R = 5mt 5 pin 90° cable unshielded 2RC = 2mt 5 pin 90° cable shielded 2F = 2mt 5 pin straight unshielded 2R3 = 2 mt 90° cable, 3 wires (*) unshielded 5FC = 5mt 5 pin straight shielded 2R = 2mt 5 pin 90° cable unshielded 5R3 = 2 mt 90° cable, 3 wires (*) unshielded 5RC = 5mt 5 pin 90° cable shielded 5F = 5mt 5 pin straight unshielded 2FC = 2mt 5 pin straight shielded										
OX1	Version suitable to be used with oxygen. With a working pressure of Max 6 Bar, available both with internal and external pilot supply; with all other versions only with external pilot supply.										

Contacts

Camozzi Automation S.p.A.
Società Unipersonale
Via Eritrea, 20/I
25126 Brescia
Italy
Tel. +39 030 37921
marketing@camozzi.com

Customer Service
Tel. +39 030 3792790
service@camozzi.com

Export Department
Tel. +39 030 3792253
sales@camozzi.com