PRESSURE MICROREGULATORS
SERIES M

Ports G1/8, G1/4

- Versions with calibrated or blocked regulators are available
- Versions with certified diaphragms and seals materials are available on request

Series M pressure regulator is available with G1/8 and G1/4 ports. Its design incorporates a diaphragm and relieving so as to allow decremental adjustments as well.
Microregulators are available with different regulation types: non-relieving, very sensitive self-relieving (through a light air leak) and VS (valve with fast draining).

The VS version is used when a regulator should be inserted between the valve and cylinder, or capacity, without any negative influence on the exhaust.

General Data

Construction	Diaphragm type
Materials	Brass body, stainless steel spring, NBR O-ring
Ports	G1/8 - G1/4
Weight	0,235 Kg
Pressure gauge ports	G1/8
Mounting	In-line or panel mounting (in any position)
Working temperature	-5°C ÷ 50°C (with the dew point of the fluid lower than 2°C at the min. working temperature)
Inlet pressure	0 ÷ 16 bar
Outlet pressure	0,5 ÷ 10 bar (standard) 0,5 ÷ 2 bar 0,5 ÷ 4 bar 0,5 ÷ 7 bar
Secondary pressure (relieving)	With relieving (standard) Without relieving
Fluid	Compressed air

PRESSURE MICROREGULATORS
SERIES M - CODING EXAMPLES

Coding Example

M	0	04	-	R	T	0	2	-	VS

M	SERIES
0	SIZE
04	PORTS 08 = G1/8 04 = G1/4
R	REGULATOR
T	OPERATING PRESSURE 0 = 0,5 ÷ 10 bar (standard) 1 = 0,5 ÷ 4 bar 2 = 0,5 ÷ 2 bar 7 = 0,5 ÷ 7 bar T = Calibrated * B = Locked *
0	DESIGN TYPE 0 = Self relieving 1 = Non relieving 5 = Relieving with precise setting
2	PRESSURE GAUGE ** = Without pressure gauge (standard) 1 = With pressure gauge 0-2,5 with working pressure 0,5 ÷ 2 bar 2 = With pressure gauge 0-6 with working pressure 0,5 ÷ 4 bar 3 = With pressure gauge 0-10 with working pressure 0,5 ÷ 7 bar 4 = With pressure gauge 0-12 with working pressure 0,5 ÷ 10 bar
VS	REGULATION TYPE = Without high relief flow (standard) VS = High relief flow

* If the regulator is calibrated or locked, after the regulation type add the inlet pressure "■" and the outlet pressure "●"

INLET PRESSURE: ■ = Enter the SUPPLY pressure value

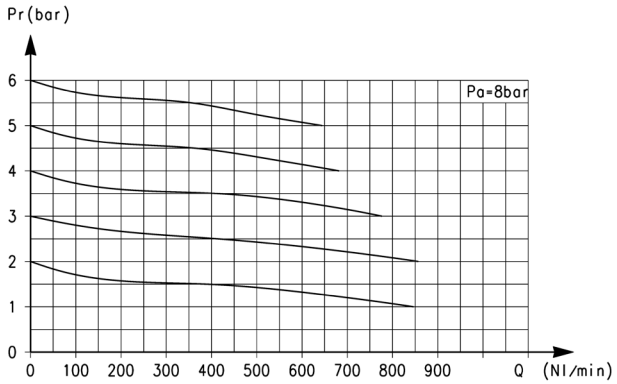
OUTLET PRESSURE: ● = Enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator

Example of a calibrated regulator with Inlet Pressure = 6,3 bar and Outlet Pressure = 4,5 bar
Complete part number: M04-RT0-6,3-4,5.

** The pressure gauges are supplied disassembly mod. M043-P..

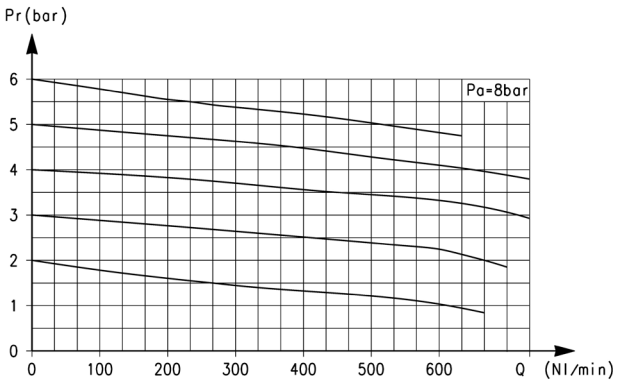
Flow diagrams

M004-R00



Flow diagram for models: M004-R00
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Qn = Flow (Nl/min)

M008-R00

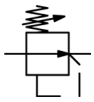


Flow diagram for models: M008-R00
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Qn = Flow (Nl/min)

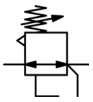
Pneumatic symbols

PR01 = Reg. without relieving
PR02 = Reg. with relieving
PR03 = Reg. with relieving and by-pass valve
PR04 = Reg. without relieving with by-pass valve
PR05 = Reg. without relieving with pressure gauge
PR06 = Reg. with relieving and pressure gauge
PR07 = Reg. with relieving, by-pass valve and pressure gauge
PR08 = Reg. without relieving with by-pass valve and pressure gauge

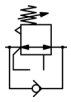
PR01



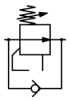
PR02



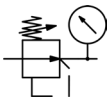
PR03



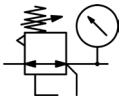
PR04



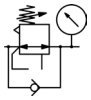
PR05



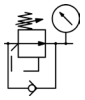
PR06



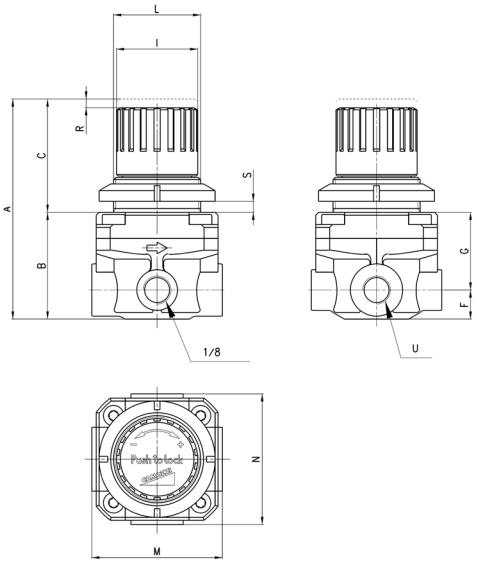
PR07



PR08



Series M pressure microregulator



Mod.	A	B	C	F	G	I	L	M	N	R	S	U
M008-R00	76	37	39	10	27	28	M30x1,5	45	45	3	0 ÷ 6	G1/8
M004-R00	76	37	39	10	27	28	M30x1,5	45	45	3	0 ÷ 6	G1/4
M008-R01-E-OX1	76	37	39	10	27	28	M30x1,5	45	45	3	0 ÷ 6	G1/8
M004-R01-E-OX1	76	37	39	10	27	28	M30x1,5	45	45	3	0 ÷ 6	G1/4