

# Series MC pressure regulators

Ports G1/4, G3/8 and G1/2 Modular



- » Minimal pressure decreases
- » Lockable knob with closure
- » Integral return exhaust (relieving)
- » Versions available: with by-pass valve or Manifold

Series MC pressure regulators are available with ports G1/4, G3/8 and G1/2. Versions with secondary pressure relieving are usually available and all regulators can be panel mounted.

## **GENERAL DATA**

Construction	modular, compact, diaphragm type											
Materials	zama, brass, NBR, technopolymer											
Ports	G1/4 G3/8 G1/2											
Weight	kg 0,323 0,644 0,624											
Mounting	in-line, wall or panel mounting (in any position)											
Operating temperature	-5°C ÷ 50°C (with the dew point of the fluid lower than 2°C at the min. working temperature)											
Finishing	enamelled											
Inlet pressure	0 ÷ 16 bar											
Outlet pressure	0.5 ÷ 10 bar (standard) or 0 ÷ 2 bar; 0 ÷ 4 bar and 0.5 ÷ 7 bar											
Nominal flow	see FLOW DIAGRAMS on the following pages											
Secondary pressure (relieving)	with relieving (standard) without relieving											
Fluid	compressed air											



#### **CODING EXAMPLE**



MC SERIES

2 SIZE:
1 = 61/4
2 = 63/8 - 61/2

02 PORTS:
04 = 61/4
38 = 63/8
02 = 61/2

R REGULATOR

T WORKING PRESSURE

0 = 0.5 + 10 bar (standard) 1 = 0 ÷ 4 bar 2 = 0 ÷ 2 bar (only G1/4) 7 = 0,5 ÷ 7 bar (only G1/4) T = calibrated\* B = locked\*

CONSTRUCTION:
0 = self-relieving (standard)
1 = non-relieving
5 = precise relieving

PRESSURE GAUGE: \*\*
= without pressure gauge (standard)
1 = with pressure gauge 0-2.5, with working pressure 0 ÷ 2 bar
2 = with pressure gauge 0-6, with working pressure 0 ÷ 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 TIPO DI REGOLAZIONE:
= without by-pass valve (standard)
VS = with by-pass valve (solo G1/4)

\*\*\* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE PORTS 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: MC104-MT03-6.3-4.5

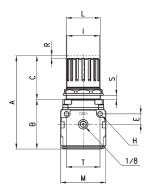
\*\* the pressure gauges are supplied disassembly for size 1 pressure gauge mod. M043-P.. for size 2 pressure gauge mod.M053-P..

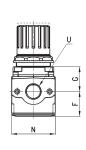
SERIES MC PRESSURE REGULATORS

## Pressure regulators Series MC



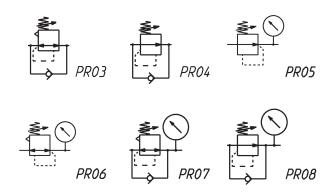






DIMENSIONS															
Mod.	Α	В	С	E	F	G	Н	1	L	М	N	R	S	T	U
MC104-R00	94	56	38	11	28,5	27,5	4,5	28	30X1,5	45	45	3	0÷6	35	G1/4
MC238-R00	127	67	60	14	34	35	5,5	45	47X1,5	62	60	3,5	0÷9	46	G3/8
MC202-R00	127	67	60	14	34	35	5,5	45	47X1,5	62	60	3,5	0÷9	46	G1/2

## Pneumatic symbols



PR03 = Regulator with relieving and by-pass valve

PRO4 = Regulator without relieving and with by-pass valve

PR05 = Regulator without relieving and with pressure gauge

PR06 = Regulator with relieving and pressure gauge

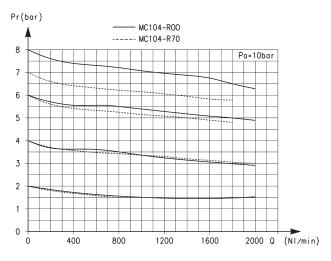
PRO7 = Regulator with relieving, by-pass valve and pressure gauge

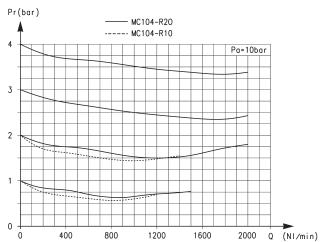
PR08 = Regulator without relieving with by-pass valve and pressure

gauge

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### **FLOW DIAGRAMS**





Flow diagrams for models: MC104-R00 and MC104-R70

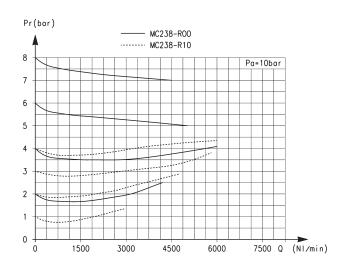
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)

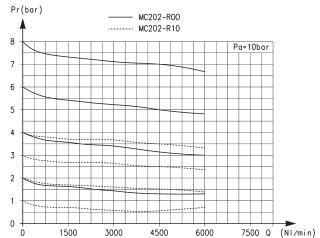
Q = Flow (Nl/min)

Flow diagrams for models: MC104-R10 and MC104-R20

Pa = Inlet pressure (bar) Pr = Regulated pressure (bar) Q = Flow (Nl/min)

## **FLOW DIAGRAMS**





Flow diagrams for models: MC238-R00 and MC238-R10

Pa = Inlet pressure (bar) Pr = Regulated pressure (bar) Q = Flow (Nl/min) Flow diagrams for models: MC202-R00 and MC202-R10  $\,$ 

Pa = Inlet pressure (bar) Pr = Regulated pressure (bar) Q = Flow (Nl/min)