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

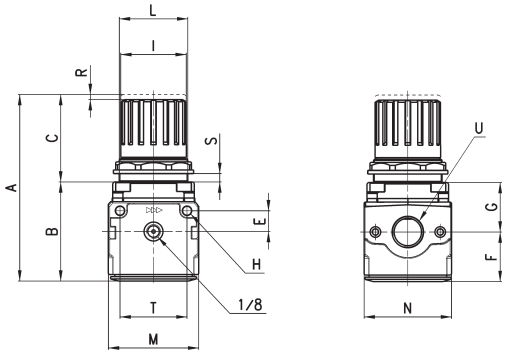
Construction	modular, compact, diaphragm type			
Materials	zama, brass, NBR, technopolymer			
Ports		G1/4	G3/8	G1/2
Weight	kg	0,323	0,644	0,624
Mounting	in-line, wall or panel mounting (in any position)			
Operating temperature	-5°C ÷ 50°C (with the dew point of the fluid lower than 2°C at the min. working temperature)			
Finishing	enamelled			
Outlet pressure	0.5 ÷ 10 bar (standard) or 0.5 ÷ 2 bar; 0.5 ÷ 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	2	02	-	R	T	0	2	-	VS	-	■	-	●

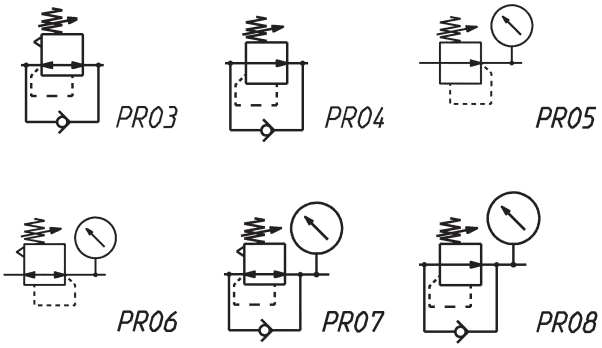
MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
R	REGULATOR
T	WORKING PRESSURE 0 = 0.5 ÷ 10 bar (standard) 1 = 0.5 ÷ 4 bar 2 = 0.5 ÷ 2 bar (only G1/4) 7 = 0.5 ÷ 7 bar (only G1/4) T = calibrated* B = locked*
0	CONSTRUCTION: 0 = self-relieving (standard) 1 = non-relieving 5 = precise relieving (only regulator G1/4)
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	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..

Pressure regulators Series MC



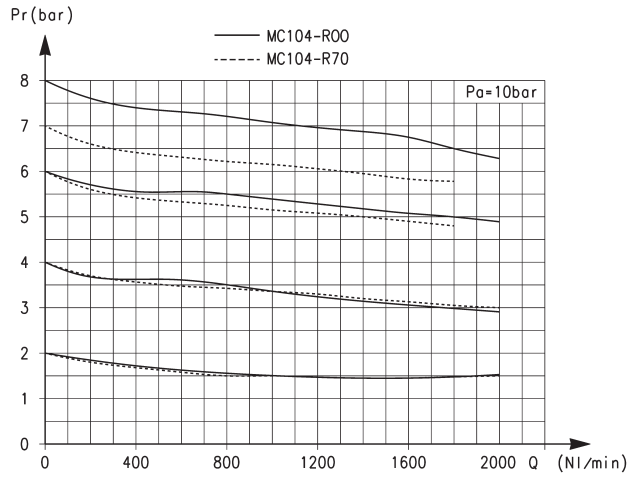
DIMENSIONS															
Mod.	A	B	C	E	F	G	H	I	L	M	N	R	S	T	U
MC104-R00	94	56	38	11	28,5	27,5	4,5	28	30X1,5	45	45	3	0÷6	35	G1/4
MC238-R00	127	67	60	14	34	35	5,5	45	47X1,5	62	60	3,5	0÷9	46	G3/8
MC202-R00	127	67	60	14	34	35	5,5	45	47X1,5	62	60	3,5	0÷9	46	G1/2

Pneumatic symbols



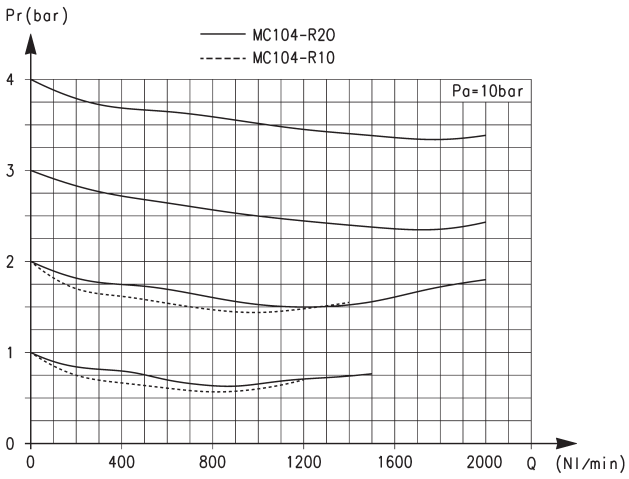
PR03 = Regulator with relieving and by-pass valve
PR04 = Regulator without relieving and with by-pass valve
PR05 = Regulator without relieving and with pressure gauge
PR06 = Regulator with relieving and pressure gauge
PR07 = Regulator with relieving, by-pass valve and pressure gauge
PR08 = Regulator without relieving with by-pass valve and pressure gauge

FLOW DIAGRAMS



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

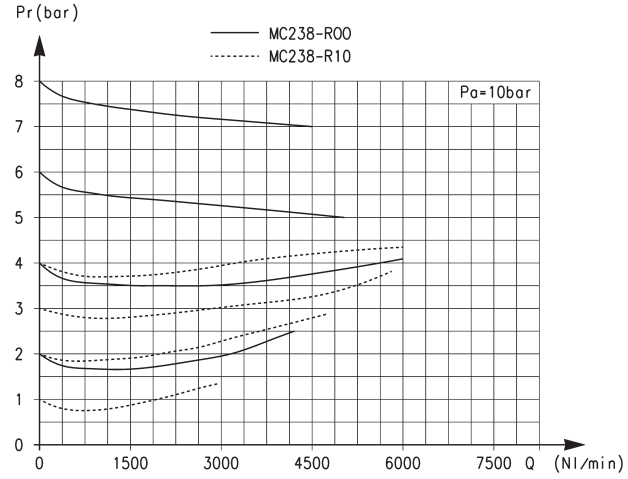
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Q = Flow (Nl/min)



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

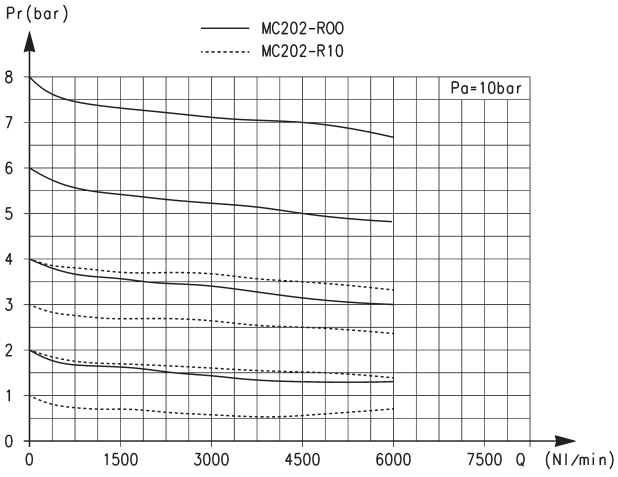
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Q = Flow (Nl/min)

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)