

Series MC pressure regulators

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



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 |
| Pressure gauge ports | G1/8 | | | |
| Mounting | in-line, wall or console 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 or 0 ÷ 4 bar | | | |
| Nominal flow | see graph | | | |
| Secondary pressure relieving | standard | | | |

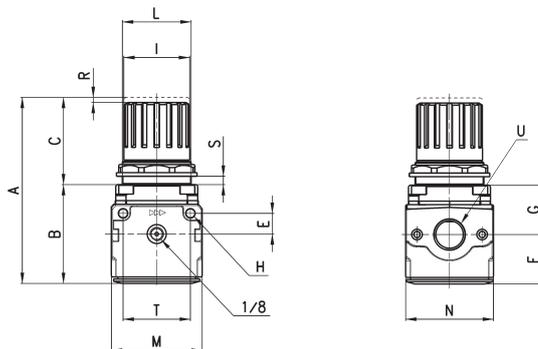
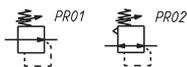
CODING EXAMPLE

| | | | | | | | | | | |
|----|---|----|---|---|---|---|---|---|---|---|
| MC | 2 | 02 | - | R | T | 0 | - | ■ | - | ● |
|----|---|----|---|---|---|---|---|---|---|---|

| | |
|---|---|
| MC | SERIES |
| 2 | SIZE: 1 = G1/4 2 = G3/8 - G1/2 |
| 02 | PORTS 04 = G1/4 38 = G3/8 02 = G1/2 |
| R | R = REGULATOR |
| T | OPERATING PRESSURE: 0 = 0,5 + 10 (standard) 1 = 0 + 4 2 = 0 + 2 (only G1/4) 7 = 0,5 + 7 (only G1/4) T = calibrated * B = locked * |
| 0 | DESIGN TYPE: 0 = self-relieving (standard) 1 = non-relieving 5 = precise relieving |
| <p>* NOTE: IF THE REGULATOR IS CALIBRATED OR LOCKED, AFTER THE DESIGN TYPE ADD THE INLET PRESSURE "■" AND THE OUTLET PRESSURE "●"</p> <p>INLET PRESSURE: ■ = enter the SUPPLY pressure value</p> <p>OUTLET PRESSURE: ● = enter the OUTLET pressure value for the LOCKED regulator or the maximum value of the ADJUSTABLE pressure for the CALIBRATED regulator</p> <p>Example of a calibrated regulator with Inlet Pressure = 6.3 bar and Outlet Pressure = 4.5 bar Complete part number: MC202-RT0-6.3-4.5</p> | |

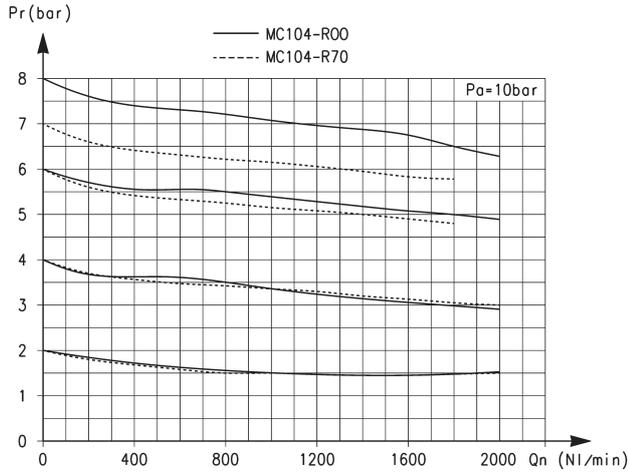
Pressure regulators Series MC


PR01 = regulator without relieving
PR02 = regulator with relieving


DIMENSIONS

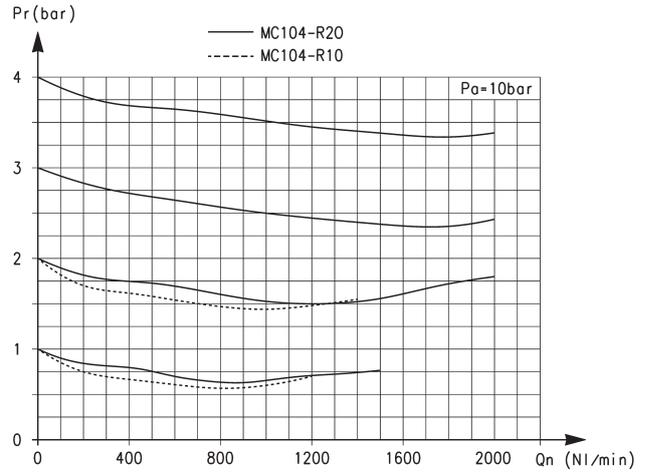
| Mod. | A | B | C | E | F | G | H | I | L | M | N | R | S | T | U |
|------------------|-----|----|----|----|------|------|-----|----|--------|----|----|-----|-----|----|------|
| MC104-R00 | 94 | 56 | 38 | 11 | 28,5 | 27,5 | 4,5 | 28 | 30X1,5 | 45 | 45 | 3 | 0+6 | 35 | G1/4 |
| MC238-R00 | 127 | 67 | 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 |

FLOW DIAGRAMS



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

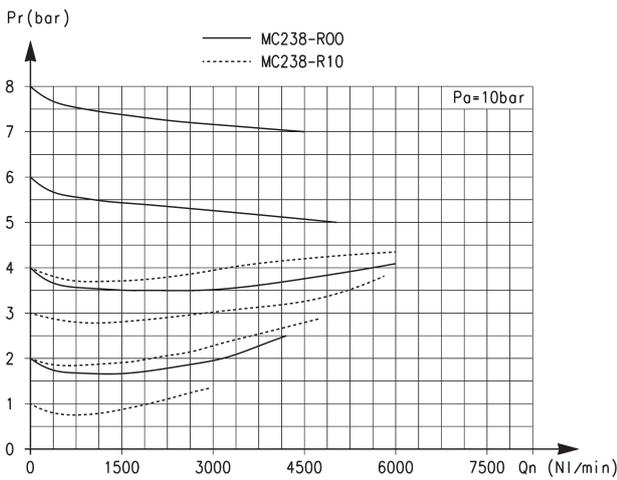
Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow



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

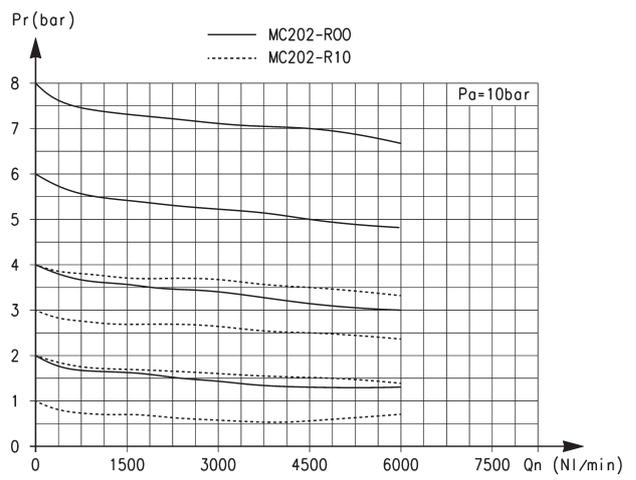
Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow

FLOW DIAGRAMS



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

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow



Flow diagrams for models: MC202-R00 and MC202-R10

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow