## New

# Series MX pneumatic pilot operated pressure regulators

# Ports: G3/8, G1/2, G3/4 Modular - Available with built-in pressure gauges or ports for gauges



The availability of constant values of the secondary pressure ensures performance optimization and energy saving. All regulators are equipped with an integrated locking system and built-in pressure gauges for a more compact product. The Series MX has been realized to offer a multi-sector solution that guarantees saving in terms of installation time, space and costs.

A special configurator, available on Camozzi website at http://catalogue. camozzi.com (sec. Configurators), allows the customer to choose the most suitable solution for his application, selecting single components or by configuring assembled FRLs.

#### **GENERAL DATA**

Construction	modular, compact, diaphragm type
Materials	see TABLE OF MATERIALS on the following page
Ports	G3/8 - G1/2 - G3/4
Mounting	vertical in-line wall-mounting (by means of clamps)
Operating temperature	-5°C ÷ 50°C up to 16 bar (with the dew point of the fluid lower than 2°C at the min. working temperature) -5°C ÷ 60°C up to 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)
Inlet pressure	0 ÷ 16 bar
Outlet pressure	10 bar
Overpressure exhaust	with relieving (standard) without relieving
Nominal flow	see FLOW DIAGRAMS on the following pages
Fluid	compressed air
Pressure gauge	built-in pressure gauge (standard) with G1/8 port

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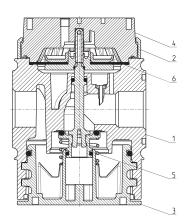
- » Pneumatically operated regulation
- » Minimal pressure decreases
- » Integral return exhaust (relieving)

#### **CODING EXAMPLE**

MX	2 - 1/2 - R CP 0 0 4 - LH
	SERIES
MX	SEKIES
2	SIZE: 2 = G3/8 - G1/2 - G3/4
1/2	PORTS: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4
R	TYPER OF REGULATOR: R = pressure regulator
СР	TYPE OF COMMAND/PILOT SUPPLY: CP = pneumatic pilot supply
0	OPERATING PRESSURE: 0 = 0.5 ÷ 10 bar
0	DESIGN TYPE: 0 = relieving (standard) 1 = without relieving
4	PRESSURE GAUGE: 0 = without pressure gauge (with threaded port for gauges) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 ÷ 10 bar (standard)
LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left

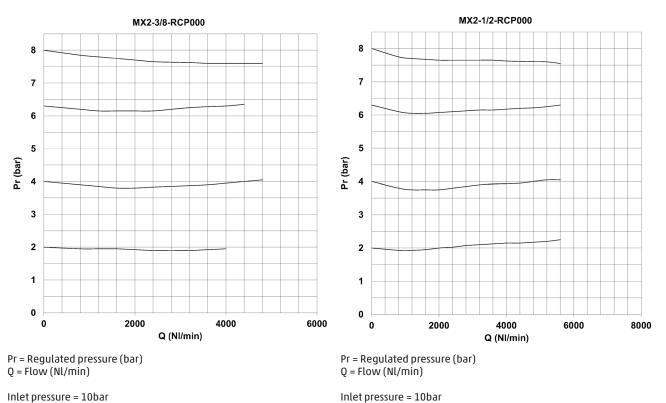
For the assembly of a single component with fixing flanges or wall-mounting, see the section "FRL Series MX Assembled"

#### Pneumatic pilot operated pressure regulators Series MX - materials

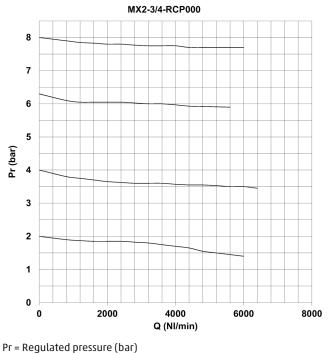


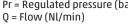
PARTS MATERIALS   1 = Body Aluminium   2 = Covering Polyacetal   3 = Valve holder plug Polyacetal   4 = Upper base Polyamide   5 = Lower spring Stainless steel   6 = Diaphragm NBR   Seals NBR		
Z = Covering Polyacetal   Z = Valve holder plug Polyacetal   4 = Upper base Polyamide   5 = Lower spring Stainless steel   6 = Diaphragm NBR	PARTS	MATERIALS
3 = Valve holder plug Polyacetal   4 = Upper base Polyamide   5 = Lower spring Stainless steel   6 = Diaphragm NBR	1 = Body	Aluminium
4 = Upper base Polyamide   5 = Lower spring Stainless steel   6 = Diaphragm NBR	2 = Covering	Polyacetal
5 = Lower spring Stainless steel   6 = Diaphragm NBR	3 = Valve holder plug	Polyacetal
6 = Diaphragm NBR	4 = Upper base	Polyamide
	5 = Lower spring	Stainless steel
Seals NBR	6 = Diaphragm	NBR
	Seals	NBR

#### DIAGRAMS OF PNEUMATIC PILOT OPERATED PRESSURE REGULATORS



Inlet pressure = 10bar





Inlet pressure = 10bar



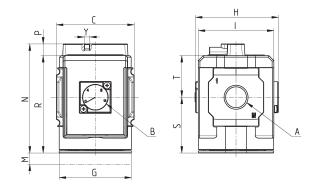
Pr = regulated pressure (bar) Pp = pilot pressure (bar)

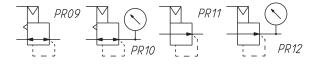
Inlet pressure = 10bar

### Pneumatic pilot operated pressure regulators Series MX - dimensions



PR09 = reg. with relieving PR10 = regulator with relieving and pressure gauge PR11 = regulator without PRI1 = regulator without relieving PR12 = regulator without relieving and with pressure gauge





Mod.	А	B (bar)	С	G	Н	I	М	Y (Pilot supply)	Ν	Р	R	S	Т	Weight (Kg)
MX2-3/8-RCP004	G3/8	0 ÷ 12	70	65	74.5	68	45	M5	98	10	88	50.5	37.5	0.5
MX2-1/2-RCP004	G1/2	0 ÷ 12	70	65	74.5	68	45	M5	98	10	88	50.5	37.5	0.5
MX2-3/4-RCP004	G3/4	0 ÷ 12	70	65	74.5	68	45	M5	98	10	88	50.5	37.5	0.5