

# Filter-regulators Series MX

New

Ports G3/4 - G1

Modular

Bowl with technopolymer cover and bayonet-type mounting



- » Filtering between 25 µm or 5 µm
- » Available versions: with built-in gauge or with ports for gauge
- » Lockable knob with closure
- » Bowl locking mechanism
- » reducing the risk of accidents

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.

Filter-regulators Series MX integrate filter and pressure reducer in one unit. They are, therefore, compact and suitable for pre-filtering functions. Available with or without draining (relieving), they are equipped with a valve diaphragm for a direct pressure regulation and with an integrated condensate drainer, manual or automatic. Moreover, they are equipped with a built-in pressure gauge.

## GENERAL DATA

Construction	modular, compact with filtering element in HDPE
Materials	see TABLE OF MATERIALS (pag. 3/1.30.02)
Ports	G3/4 - G1
Condensate capacity	85 cc
Weight	1,250 kg
Mounting	vertical in-line wall-mounting (by means of clamps) panel mounting
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)
Porosity of filtering element	25 µm (standard) 5 µm
Draining of condensate	manual - semiautomatic (standard)
Operating pressure	0,3 ÷ 16 bar ((with automatic drain 1,5 ÷ 12)
Nominal flow	see FLOW DIAGRAMS (pag. 3/1.30.03)
Fluid	compressed air
Pressure gauge	version with built-in pressure gauge (standard) version with ports for pressure gauge (G1/4 ports)

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TREATMENT

## CODING EXAMPLE

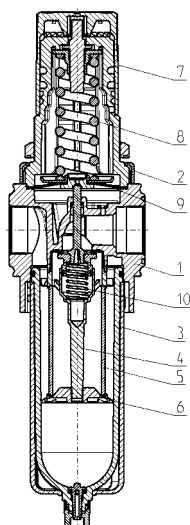
<b>MX</b>	<b>3</b>	<b>-</b>	<b>3/4</b>	<b>-</b>	<b>FR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
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<b>MX</b>	SERIES
<b>3</b>	SIZE: 3 = G3/4 - G1
<b>3/4</b>	PORT: 3/4 = G3/4 1 = G1
<b>FR</b>	FILTER-REGULATOR
<b>0</b>	FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25 µm with relieving (standard) 1 = 5 µm with relieving 2 = 25 µm without relieving 3 = 5 µm without relieving
<b>0</b>	DRAINING OF CONDENSATE: 0 = manual semiautomatic drain (standard) 3 = automatic drain 8 = no drain with port G1/8
<b>0</b>	OPERATING PRESSURE: 0 = 0,5 ÷ 10 bar (standard) 4 = 0 ÷ 4 bar
<b>4</b>	PRESSURE GAUGE: 0 = without pressure gauge(with threaded port) 2 = with built-in pressure gauge 0-6 and working pressure 0 ÷ 4 bar 4 = with built-in pressure gauge 0-12 and working pressure 0,5 ÷ 10 bar (standard)

For the assembly of a single component with fixing flanges or wall-mounting, see the section "FRL Series MX Assembled" (pag. 3/1.50.01)

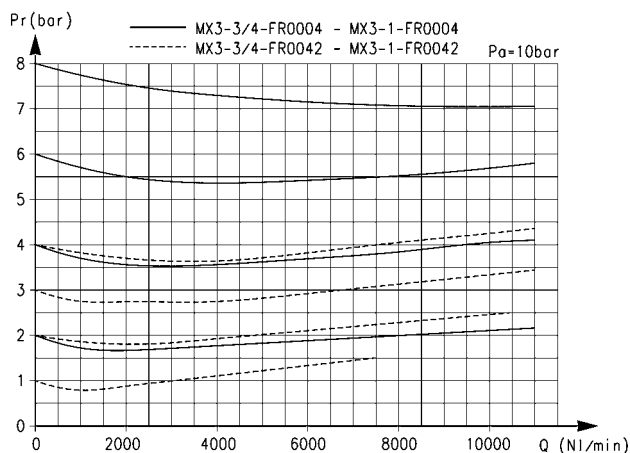
## Filter-regulators Series MX - materials

**New**



PARTS	MATERIALS
<b>1 = Body</b>	Aluminium
<b>2 = Covering</b>	Polyacetal
<b>3 = Bowl with technopolymer cover</b>	Polycarbonate/Polyamide
<b>4 = Valve guide</b>	Polyacetal
<b>5 = Filtering element</b>	Polyethylene
<b>6 = Separation deflector</b>	Polyacetal
<b>7 = Knob</b>	Polyamide
<b>8 = Upper spring</b>	Zinc-plated steel
<b>9 = Diaphragm</b>	NBR
<b>10 = Lower spring</b>	Stainless steel
<b>Seals</b>	NBR

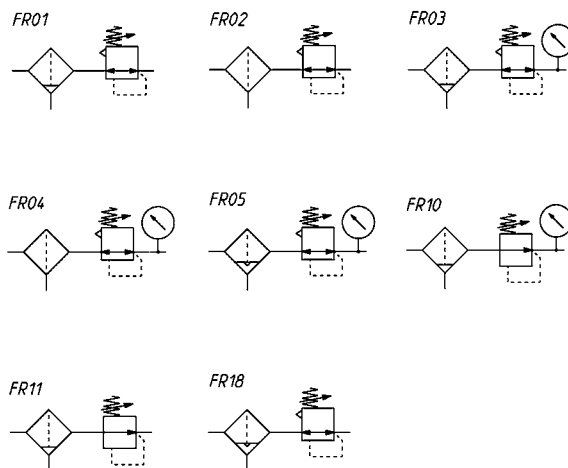
## FLOW DIAGRAMS



Pr = Regulated pressure

Q = Flow

Pa = Inlet pressure



FR01 = filter-regulator with relieving and manual drain

FR02 = FR with relieving and without drain

FR03 = FR with relieving, manual drain and pressure gauge

FR04 = FR with relieving, without drain and with pressure gauge

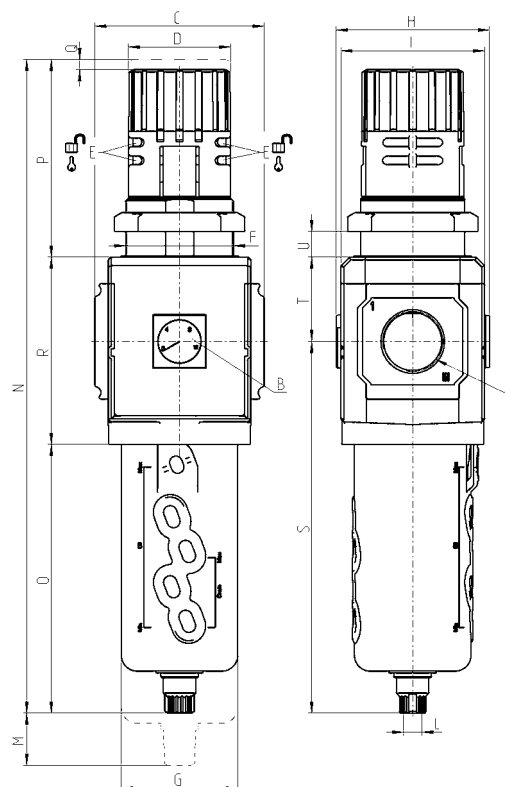
FR05 = FR with relieving, automatic drain and pressure gauge

FR10 = FR with manual drain, no relieving, with pressure gauge

FR11 = FR with manual drain and without relieving

FR18 = FR with relieving and automatic drain

## Filter-regulators Series MX - dimensions



Mod.	A	B (bar)	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
<b>MX3-3/4-FR0004</b>	G3/4	0 ÷ 12	89,5	54	Ø4	M57x1,5	61,5	81	76	G1/8	75	345	142	104	5	99	196,5	44,5	0 ÷ 20
<b>MX3-1-FR0004</b>	G1	0 ÷ 12	89,5	54	Ø4	M57x1,5	61,5	81	76	G1/8	75	345	142	104	5	99	196,5	44,5	0 ÷ 20