

# Series MX activated carbon filters

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1  
Modular

Bowl with technopolymer cover and bayonet-type mounting



- » Removal of compressed air oil, liquid, and gas components through the activated carbon
- » Quality of delivered air according to ISO 8573-1:2010, Class 1.7.1
- » Bowl locking system reducing the risk of accidents
- » Visual blockage indicator

MX is the new series of air treatment components realized by Camozzi, characterized by a modern, linear and compact design, offering high performances. The perfect integration between metal alloys and technopolymers has allowed the realization of a reliable product, light and strong at the same time. Thanks to a new concept of modularity, moreover, the mounting of components has become easier.

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 with activated carbon filtering element
Materials	see TABLE OF MATERIALS on the following page
Ports	MX2: G3/8 - G1/2 - G3/4 MX3: G3/4 - G1
Mounting	vertical in-line wall-mounting (by means of clamps)
Operating temperature	10°C ÷ 40°C (t max = 60°C)
Quality of delivered air according to ISO 8573-1:2010	Class 1.7.1
Draining of condensate	No draining
Operating pressure	0.3 ÷ 16 bar
Nominal flow	see FLOW DIAGRAMS on the following pages
Filtering element	activated carbon
Residual oil content	< 0,003 mg/m <sup>3</sup>
Fluid	compressed air
Pre-filtering	it is recommended to use a filter with residual oil of 0,01mg/m <sup>3</sup>

**CODING EXAMPLE**

<b>MX</b>	<b>2</b>	<b>-</b>	<b>1/2</b>	<b>-</b>	<b>FCA</b>	<b>1</b>	<b>-</b>	<b>LH</b>
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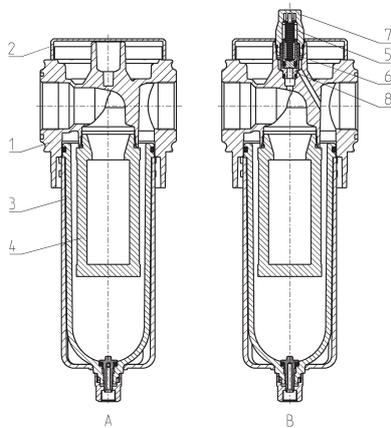
<b>MX</b>	SERIES
<b>2</b>	SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1
<b>1/2</b>	PORT: 1/2 = G1/2 3/4 = G3/4 1 = G1
<b>FCA</b>	ACTIVATED CARBON FILTER
<b>1</b>	VISUAL BLOCKAGE INDICATOR: = not present 1 = present
<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

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

**Activated carbon filters Series MX - materials**

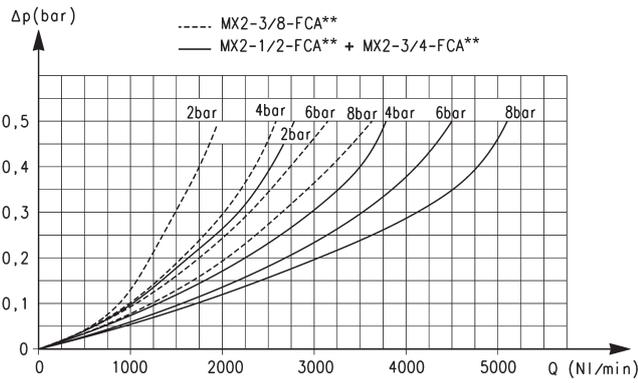
A = filter  
B = filter with visual blockage indicator



PARTS	MATERIALS
1 = Body	Aluminium
2 = Covering	Polyacetal
3 = Bowl / bowl cover	Polycarbonate/Polyamide
4 = Filtering element	Activated carbon
5 = Upper spring	Stainless steel
6 = Piston	Anodized aluminium
7 = Viewer	Polycarbonate
8 = Indicator body	Brass
Seals	NBR

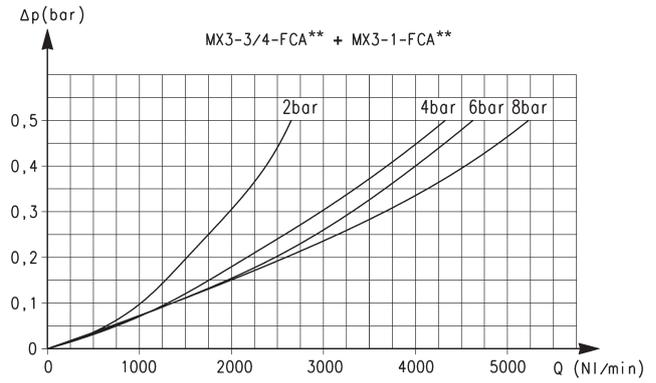
**FLOW DIAGRAMS**

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\* Reference diagram for MX2

$\Delta p$  = Pressure drop (bar)  
 $Q$  = Flow (NL/min)



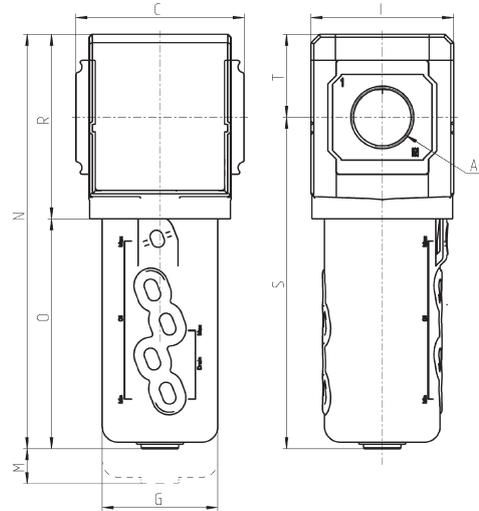
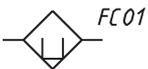
\*\* Reference diagram for MX3

$\Delta p$  = Pressure drop (bar)  
 $Q$  = Flow (NL/min)

**Activated carbon filters Series MX - dimensions**



FC01 = activated carbon filter

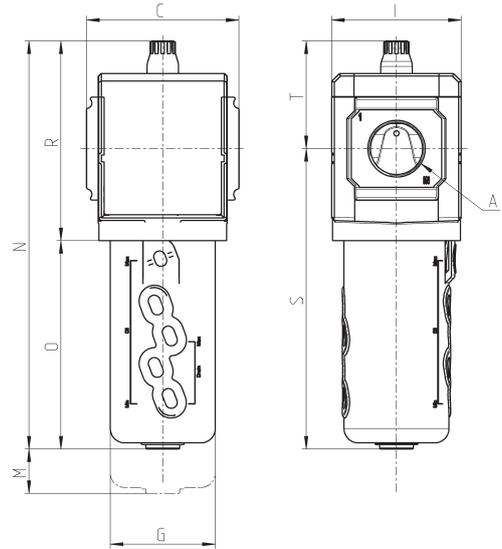
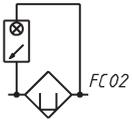


Mod.	A	C	G	I	M	N	O	R	S	T	Weight (Kg)
MX2-3/8-FCA	G3/8	70	55.3	68	89.5	189.5	104.5	85	152	37.5	0.5
MX2-1/2-FCA	G1/2	70	55.3	68	89.5	189.5	104.5	85	152	37.5	0.5
MX2-3/4-FCA	G3/4	70	55.3	68	89.5	189.5	104.5	85	152	37.5	0.5
MX3-3/4-FCA	G3/4	89.5	61.5	76	107	222	123	99	177.5	44.5	0.8
MX3-1-FCA	G1	89.5	61.5	76	107	222	123	99	177.5	44.5	0.8

## Activated carbon filters Series MX - dimensions



FC02 = activated carbon filter with visual blockage indicator



Mod.	A	C	G	I	M	N	O	R	S	T	Weight (Kg)
MX2-3/8-FCA1	G3/8	70	55.3	68	89.5	208.5	104.5	104	152	56.5	0.5
MX2-1/2-FCA1	G1/2	70	55.3	68	89.5	208.5	104.5	104	152	56.5	0.5
MX2-3/4-FCA1	G3/4	70	55.3	68	89.5	208.5	104.5	104	152	56.5	0.5
MX3-3/4-FCA1	G3/4	89.5	61.5	76	107	241	123	118	177.5	63.5	0.8
MX3-1-FCA1	G1	89.5	61.5	76	107	241	123	118	177.5	63.5	0.8