

# 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 active carbons
- » Air quality in compliance with ISO 8573-1 standard, up to class 1.7.1
- » Bowl locking system 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.

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.

## GENERAL DATA

<b>Construction</b>	modular, compact with activated carbon filtering element
<b>Materials</b>	see TABLE OF MATERIALS (pag. 3/1.15.02)
<b>Ports</b>	MX2: G3/8 - G1/2 - G3/4 MX3: G3/4 - G1
<b>Mounting</b>	vertical in-line wall-mounting (by means of clamps)
<b>Operating temperature</b>	10°C + 40°C (t max = 60°C)
<b>Draining of condensate</b>	NO DRAINING
<b>Operating pressure</b>	0,3 + 16 bar
<b>Nominal flow</b>	see FLOW DIAGRAMS (pag. 3/1.15.03)
<b>Filtering element</b>	active carbon
<b>Residual oil content</b>	< 0,003 mg/m <sup>3</sup>
<b>Fluid</b>	compressed air
<b>Pre-filtering</b>	it is recommended to use a filter with residual oil of 0,01mg/m <sup>3</sup>

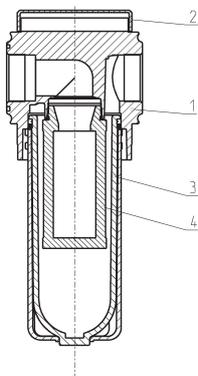
**CODING EXAMPLE**

<b>MX</b>	<b>2</b>	<b>-</b>	<b>3/8</b>	<b>-</b>	<b>FCA</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>3/8</b>	PORT: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1
<b>FCA</b>	ACTIVATED CARBON FILTER
<b>LH</b>	FLOW DIRECTION: = from left to right (standard) LH = from right to left

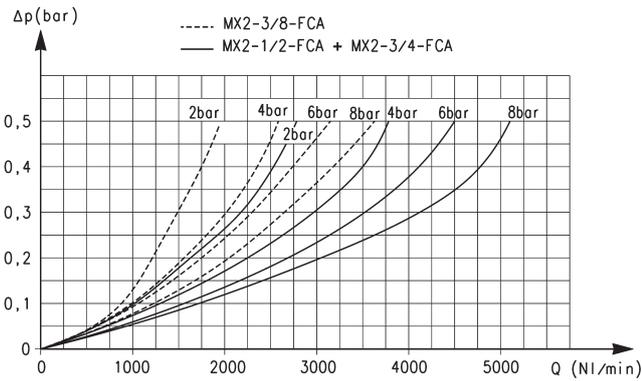
For the assembly of a single component with fixing flanges or wall-mounting, see the section "FRL Series MX Assembled" (pag. 3/1.50.01)

**Activated carbon filters Series MX - materials**



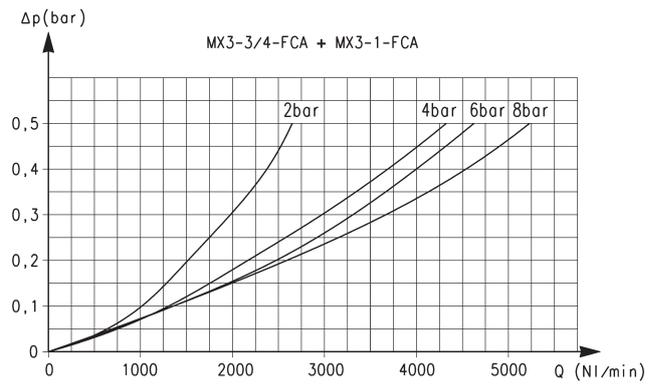
PARTS	MATERIALS
<b>1 = Body</b>	Aluminium
<b>2 = Covering</b>	Polyacetal
<b>3 = Bowl with technopolymer cover</b>	Polycarbonate/Polyamide
<b>4 = Filtering element</b>	Active carbon
<b>Seals</b>	NBR

## FLOW DIAGRAMS



Reference diagram for MX2

$\Delta p$  = Pressure drop  
Q = Flow



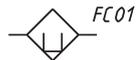
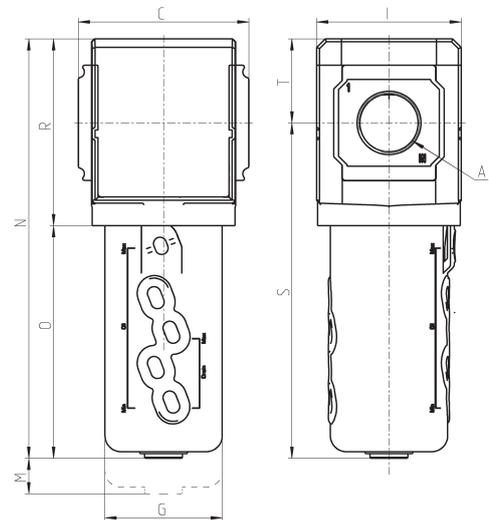
Reference diagram for MX3

$\Delta p$  = Pressure drop  
Q = Flow

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TREATMENT

## Activated carbon filters Series MX - dimensions



Mod.	A	C	G	I	M	N	O	R	S	T	Weight (Kg)
<b>MX2-3/8-FCA</b>	G3/8	70	55,3	68	89,5	189,5	104,5	85	152	37,5	0.5
<b>MX2-1/2-FCA</b>	G1/2	70	55,3	68	89,5	189,5	104,5	85	152	37,5	0.5
<b>MX2-3/4-FCA</b>	G3/4	70	55,3	68	89,5	189,5	104,5	85	152	37,5	0.5
<b>MX3-3/4-FCA</b>	G3/4	89,5	61,5	76	107	222	123	99,0	177,5	44,5	0.8
<b>MX3-1-FCA</b>	G1	89,5	61,5	76	107	222	123	99,0	177,5	44,5	0.8