

Coalescing filters Series MX

New

Ports G3/4 - G1

Modular

Bowl with technopolymer cover and bayonet-type mounting



- » High performance and compressed air purity
- » Air quality according to ISO 8573-1 standard
- » Cartridge filters 1 or 0,01 μm
- » Manual/automatic condensate drain
- » 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.

MX3 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

Construction	modular, compact	
Materials	see TABLE OF MATERIALS (pag. 3/1.10.02)	
Ports	G3/4 - G1	
Condensate capacity	85 cc	
Weight	0,780 kg	
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)	
Draining of condensate	manual - semiautomatic (standard) automatic	
Operating pressure	0,3 ÷ 16 bar (with automatic drain 1,5 ÷ 12 bar)	
Nominal flow	see FLOW DIAGRAMS (pag. 3/1.10.03)	
Porosity of filtering element	0,01 μm	1 μm
Residual oil content with inlet at 3 mg/m ³	< 0,01mg/m ³	< 0,1mg/m ³
Oil retain efficiency	99,80%	97%
Particles retain efficiency	99,99999%	99,999%
Fluid	compressed air	
Pre-filtering with filtering element of 1 μm	it is recommended to use a filter of 5 μm	
Pre-filtering with filtering element of 0,01 μm	it is recommended to use a filter with residual oil of 0,1 mg/m ³	

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TREATMENT

CODING EXAMPLE

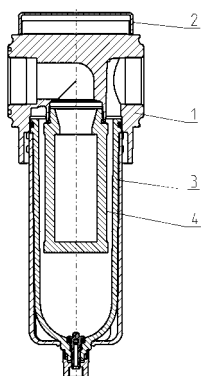
MX	3	-	3/4	-	FC	0	0
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MX	SERIES
3	SIZE: 3 = G3/4 - G1
3/4	PORTS: 3/4 = G3/4 1 = G1
FC	COALESCING FILTER
0	FILTERING ELEMENT: 0 = 0,01 µm (standard) 1 = 1 µm
0	DRAINING OF CONDENSATE: 0 = semiautomatic-manual drain (standard) 3 = automatic drain 8 = no drain with port G1/8

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)

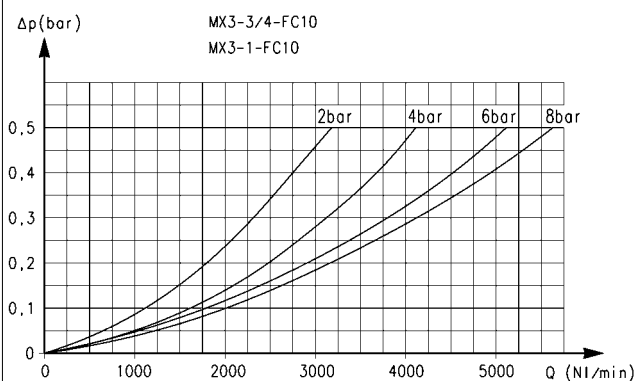
Coalescing filters Series MX - materials

New

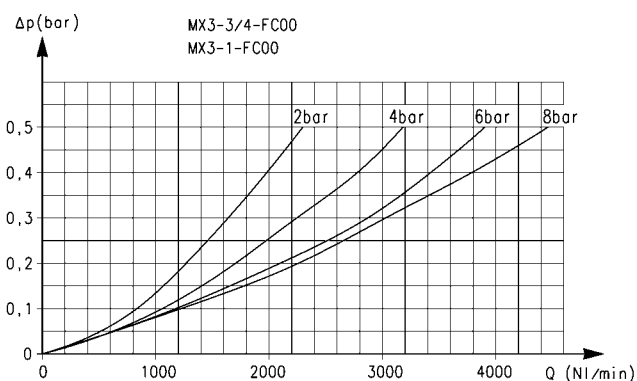


PARTS	MATERIALS
1 = Body	Aluminium
2 = Covering	Polyacetal
3 = Bowl with technopolymer cover	Polycarbonate/Polyamide
4 = Filtering element	Borosilicate
Seals	NBR

FLOW DIAGRAMS

Reference diagram for models with filtering element = 1 μm

Δp = Pressure drop
Q = Flow

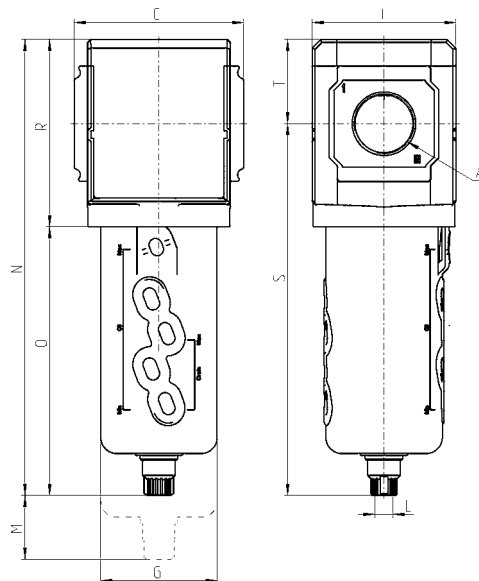
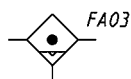
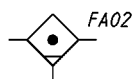
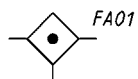
Reference diagram for models with filtering element = 0,01 μm

Δp = Pressure drop
Q = Flow

Coalescing filters Series MX - dimensions



FA01 = coalescing filter
without drain with threaded
port
FA02 = coalescing filter
with semi-automatic
manual drain
FA03 = coalescing filter
with automatic drain



Mod.	A	C	G	I	L	M	N	O	R	S	T
MX3-3/4-FC00	G3/4	89,5	61,5	76	G1/8	75	241	142	99	196,5	44,5
MX3-1-FC00	G1	89,5	61,5	76	G1/8	75	241	142	99	196,5	44,5