

Series MC coalescing filters

Ports G1/4, G3/8 and G1/2

Modular

Metal bowl and bayonet-type mounting



Series MC coalescing filters are available with G1/4, G3/8 and G1/2 ports. The bowls of these filters are made of metal with a transparent sight glass and may have a condensate drain valve which can provide either a manual or semi-automatic function.

A version with automatic draining of condensate is also available.

GENERAL DATA

Construction	modular, coalescing elements		
Materials	zama, NBR, technopolymer		
Ports	G1/4	G3/8	G1/2
Max. condensate capacity	cm ³ 28	78	78
Weight	kg 0,342	0,718	0,688
Mounting	vertical in line or wall-mounting		
Operating temperature	-5°C ÷ 50°C at 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)		
Porosity of filtering element	0,01µm		
Draining of condensate	manual - semi-automatic standard		
Finish	enamelled		
Operating pressure	with standard drain and protected depressurisation 0,3 ÷ 16 bar with depressurisation 0,3 ÷ 10 bar with automatic drain 1,5 ÷ 12 bar for G3/8 and G1/2		
Nominal flow	see graph		

CODING EXAMPLE

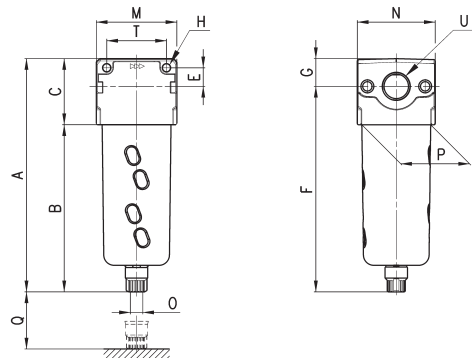
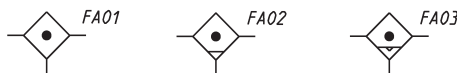
MC	2	02	-	F	B	0
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MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
F	F = FILTER
B	FILTERING ELEMENT: B = 0,01µm
0	DRAINING OF CONDENSATE: 0 = manual - semi-automatic 3 = automatic (only for G3/8 and G1/2) 4 = depressurisation (only G1/4) 5 = depressurisation, protected 8 = no drain, port 1/8 For condensate drains see the section 3/5.10

Coalescing filters Series MC

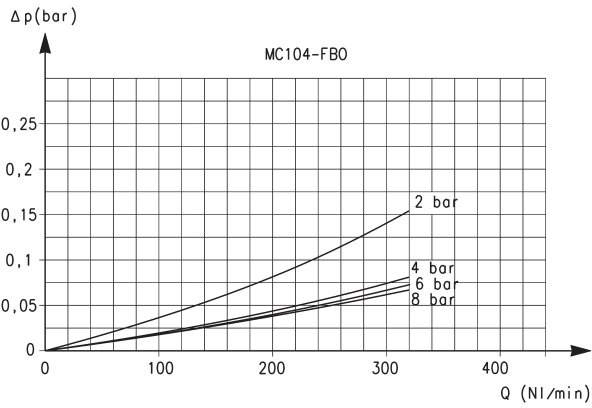


FA01 = coalescing filter without drain with threaded port
 FA02 = coalescing filter with semi-automatic manual drain
 FA03 = coalescing filter with automatic drain



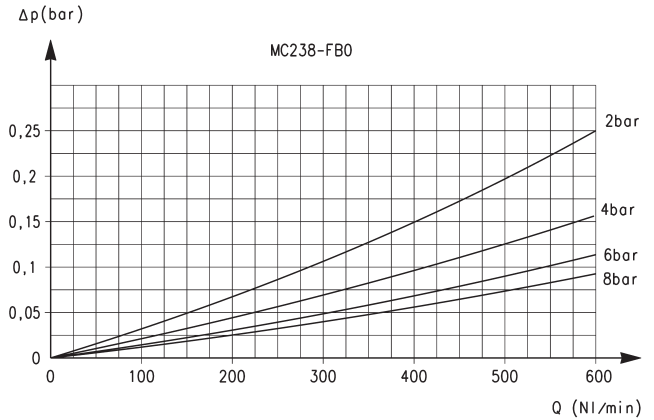
DIMENSIONS														
Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	U
MC104-FB0	143	102	41	11	126,5	16,5	4,5	45	45	G1/8	37	54	35	G1/4
MC238-FB0	184	133	51	14	163	21	5,5	62	60	G1/8	53	73	46	G3/8
MC202-FB0	184	133	51	14	163	21	5,5	62	60	G1/8	53	73	46	G1/2

FLOW DIAGRAMS



Flow diagram for model: MC104-FB0
 ΔP = Pressure drop
 Q = Flow

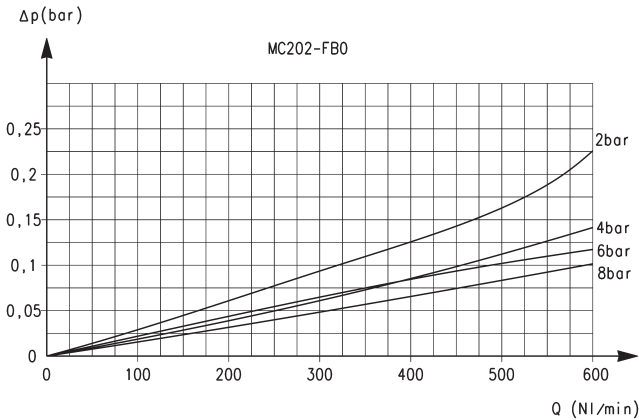
In order to guarantee the indicated performances, the maximum flow of the filter must be the one indicated in the graph. A higher flow rate is possible but the same performances are not guaranteed.



Flow diagram for model: MC238-FB0
 ΔP = Pressure drop
 Q = Flow

In order to guarantee the indicated performances, the maximum flow of the filter must be the one indicated in the graph. A higher flow rate is possible but the same performances are not guaranteed.

FLOW DIAGRAMS



Flow diagram for model: MC202-FB0
 ΔP = Pressure drop
 Q = Flow

In order to guarantee the indicated performances, the maximum flow of the filter must be the one indicated in the graph. A higher flow rate is possible but the same performances are not guaranteed.