

# Coalescing filters Series MC

Ports G1/4, G3/8 and G1/2  
Modular  
Metal bowl and bayonet-type mounting



The 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.

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TREATMENT

## GENERAL DATA

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

**CODING EXAMPLE**

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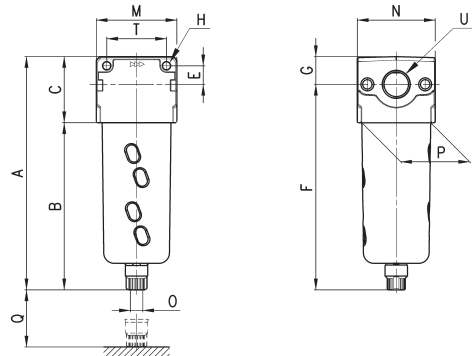
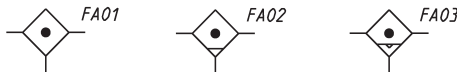
<b>MC</b>	SERIES
<b>2</b>	SIZE: 1 = G1/4 2 = G3/8 - G1/2
<b>02</b>	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
<b>F</b>	F = FILTER
<b>B</b>	FILTERING ELEMENT: B = 0,01µm
<b>0</b>	DRAINING OF CONDENSATE: 0 = manual - semi-automatic 3 = automatic (only for G3/8 and G1/2) 4 = depressurisation (only G1/4) 5 = depressurisation,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

**3**

TREATMENT

**Coalescing filters Series MC**

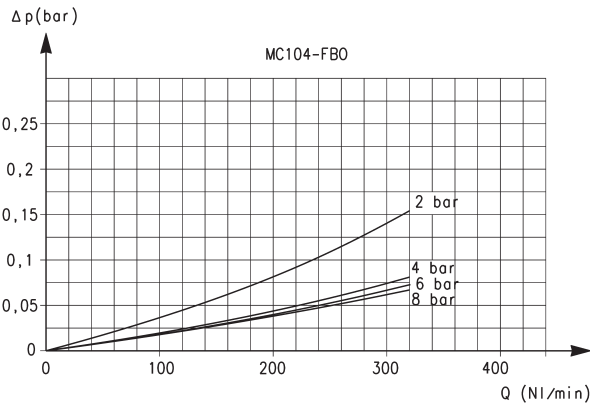

FA01 = coalescing filter without drain with threaded port  
 FA02 = coalescing filter with semi-automatic manual drain  
 FA03 = coalescing filter with automatic drain


**DIMENSIONS**

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

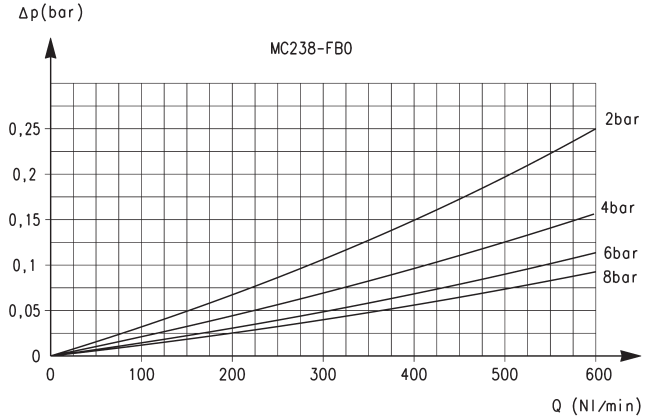
3/2.10.02

FLOW DIAGRAMS



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

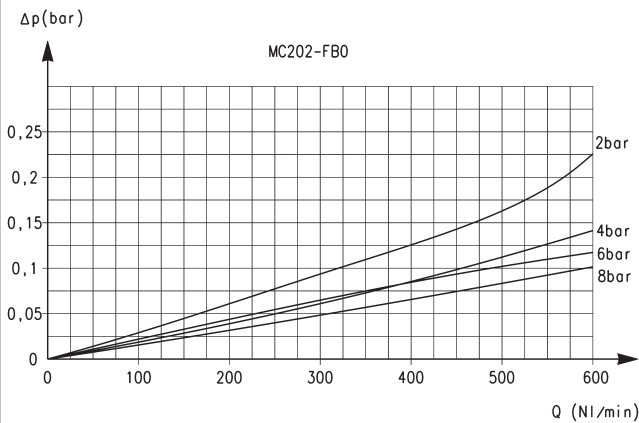
In order to guarantee the indicated performances, the maximum flow of the filter must be the one indicated in the graph. A higher flow rate is possible but the same performances are not guaranteed.



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.