

Series MC filter-regulators

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

Modular

Metal bowl and bayonet-type mounting



- » Quality of delivered air according to ISO 8573-1:2010, Classes 7.8.4 and 6.8.4
- » Minimal pressure decreases
- » Knob with closure
- » Integral return exhaust (relieving)
- » Available versions: with by-pass valve

Series MC filter regulators are available with ports G1/4, G3/8 and G1/2. They combine the features of the filters and regulators and have smaller overall dimensions than the two separate components.

GENERAL DATA

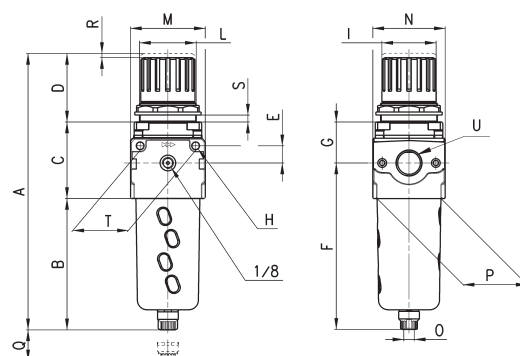
Construction	compact modular with filtering element in HDPE			
Materials	zama, NBR, technopolymer			
Ports	G1/4	G3/8	G1/2	
Condensate capacity	cm ³	28	72	72
Weight	kg	0,443	0,948	0,928
Mounting	vertical in-line or wall-mounting			
Operating temperature	-5°C ÷ 50°C at 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature)			
Quality of delivered air according to ISO 8573-1:2010	Class 6.8.4 with 5µm filtering element Class 7.8.4 with 25µm filtering element			
Draining of condensate	semi-automatic manual (standard), automatic, with depressurisation, protected depressurisation, without drain with port G1/8			
Finishing	enamelled			
Inlet 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			
Outlet pressure	0.5 ÷ 10 bar(standard), 0 ÷ 2 bar; 0 ÷ 4 bar e 0.5 ÷ 7 bar			
Nominal flow	see FLOW DIAGRAMS on the following pages			
Fluid	compressed air			

CODING EXAMPLE

MC	2	02	-	D	0	0	2	-	4	-	VS
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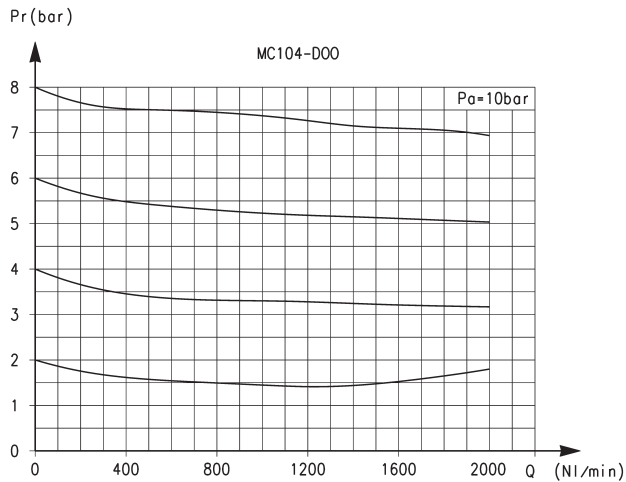
MC	SERIES
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2
D	D = FILTER-REGULATOR
0	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm
0	DRAINING OF CONDENSATE (further details in the dedicated section): 0 = manual semiautomatic, self-relieving 1 = manual semiautomatic, non relieving 3 = automatic, self-relieving (only for G3/8 and G1/2) 4 = depressurisation, self-relieving (only G1/4) 5 = depressurisation, protected, self-relieving 8 = no drain, port G1/8, self-relieving
2	PRESSURE GAUGE: ** = without pressure gauge (standard) 1 = with pressure gauge 0-2.5, with working pressure 0 ÷ 2 bar 2 = with pressure gauge 0-6, with working pressure 0 ÷ 4 bar 3 = with pressure gauge 0-10, with working pressure 0.5 ÷ 7 bar 4 = with pressure gauge 0-12, with working pressure 0.5 ÷ 10 bar
4	WORKING PRESSURE = 0,5 ÷ 10 2 = 0 ÷ 2 (only G1/4) 4 = 0 ÷ 4 7 = 0,5 ÷ 7 (only G1/4)
VS	REGULATION TYPE: = without by-pass valve (standard) VS = with by-pass valve (only G1/4)
** the pressure gauges are supplied disassembly for size 1 pressure gauge mod. M043-P.. for size 2 pressure gauge mod. M053-P..	

Filter-regulators Series MC



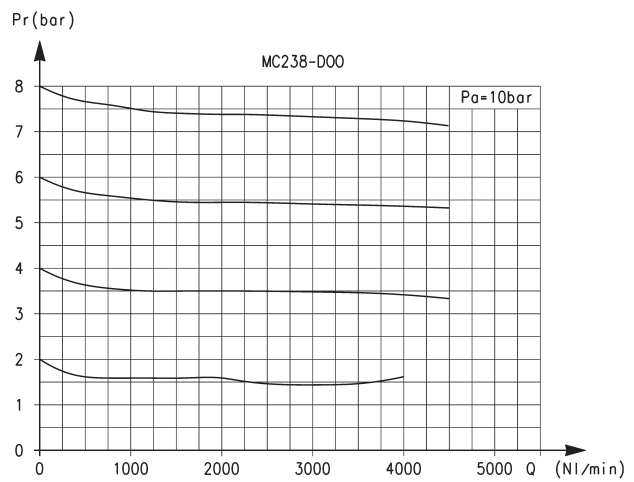
DIMENSIONS																				
Mod.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U	
MC104-D00	190,5	102	52	38	11	126,5	27,5	4,5	28	M30x1,5	45	45	G1/8	37	58	3	0 ÷ 6	35	G1/4	
MC238-D00	256,5	133	64	59	14	162	35	5,5	45	M47x1,5	62	59	G1/8	53	72	3,5	0 ÷ 9	46	G3/8	
MC202-D00	256,5	133	64	59	14	162	35	5,5	45	M47x1,5	62	59	G1/8	53	72	3,5	0 ÷ 9	46	G1/2	

FLOW DIAGRAMS



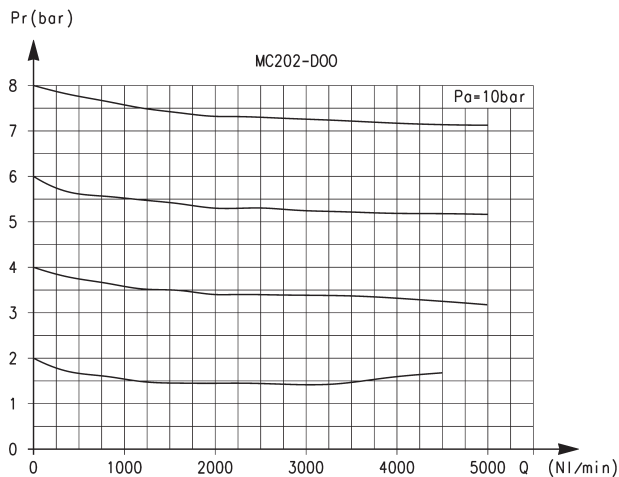
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Q = Flow (NL/min)

NOTE: on the filter-regulator the different air quality characteristics that can be reached through the filtering elements options don't affect the flow values shown in the diagram.



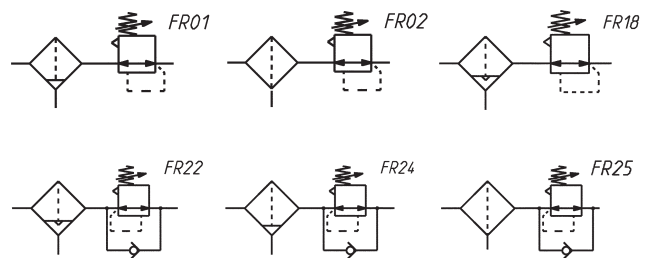
Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
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FLOW DIAGRAM AND PNEUMATIC SYMBOLS



Pa = Inlet pressure (bar)
Pr = Regulated pressure (bar)
Q = Flow (bar)

NOTE: on the filter-regulator the different air quality characteristics that can be reached through the filtering elements options don't affect the flow values shown in the diagram.



FR01 = filter-reg. with relieving and manual/semiautomatic drain
FR02 = filter-reg. with relieving and direct exhaust
FR18 = filter-reg. with relieving and automatic drain
FR22 = filter-reg. without relieving, with pressure gauge, automatic-depressurisation drain and by-pass valve
FR24 = filter-reg. with relieving and manual/semiautomatic drain and bypass valve
FR25 = filter-reg. with relieving, direct exhaust and by-pass valve