

Filters Series MC

Port 1/4", 3/8", 1/2" NPTF

Modular with metal bowl guard and bayonet-type mounting

The Series MC filters are available with port 1/4", 3/8" or 1/2" NPTF.

The bowls of these filters are made of Nylon - Grilamid with an aluminum bowl guard and have a condensate drain valve in five (5) different options.

On request it is possible to order filters with filtering elements in different filtration ranges than those listed standard in the code key.



TECHNICAL SPECIFICATIONS

Construction	compact modular with filtering element in HDPE			
Materials	Body - Aluminum alloy, Bowl - Grilamid TR 55 (Nylon compound), Seals - Buna-N, internals in brass			
Port	NPTF	1/4"	3/8"	1/2"
Max condensate capacity	oz	1	2.43	2.43
Weight	lbs	.75	1.58	1.52
Mounting	vertical in-line or wall-mounting			
Operating temperature	-5° C - 50° C, (23° F - 122° F), with Dew Point of air at least 2° C (4° F) below the min working temperature			
Porosity of filtering element	25 µm & 5 µm upon request			
Draining of condensate	manual - semi automatic standard, other options available in code key			
Finishing	Chromate treatment undercoat; Bodies - polyurethane enamel & oven-cured; Bowls - electrostatic coating of polyester epoxy & oven cured			

PNEUMATIC DATA

Operating pressure	0.3 - 16 bar, (with depressurizing drain P Max. of 10 bar) : 4.25 - 232 psi, (P Max 145 psi w/ depressurizing drain) - 1.5 - 1.5 - 12 bar for Full Automatic float drain, (22 - 175 psi), 3/8" & 1/2" models only
Nominal flow	see graph

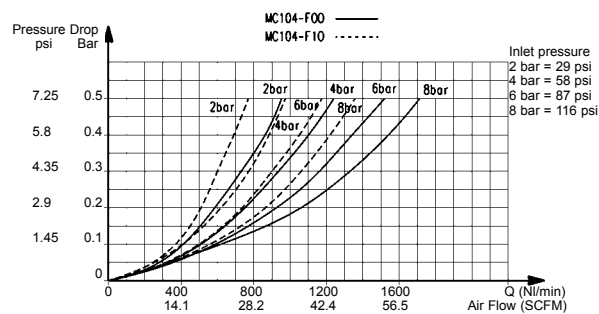
CODING EXAMPLE

MC	1	04	-	F	0	0	TF
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MC	SERIES
1	SIZE 1 = 1/4" 2 = 3/8" or 1/2"
04	PORTS: 04 = 1/4" NPTF 38 = 3/8" NPTF 02 = 1/2" NPTF
F	FILTER
0	FILTERING ELEMENT 0 = 25µm 1 = 5µm
0	DRAINING OF CONDENSATE 0 = normal - semiautomatic 3 = Fully automatic, Float-Drain, 3/8" & 1/2" 4 = depressurization, "Spitter-Type", 1/4" ONLY 5 = depressurization, protected, "Spitter-Type" w/ filtered drain orifice 8 = port 1/8" female, free-flow
TF	PORT TF = NPTF Blank = BSPP thread ports

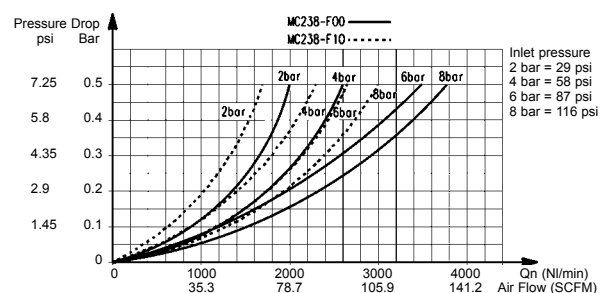
FLOW DIAGRAMS

MC104-F00TF and MC104-F10TF - 1/4" Models



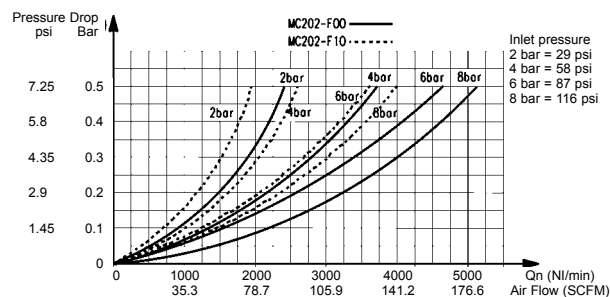
Pa = Inlet pressure
ΔP = Pressure Drop
Qn = Flow

MC238-F00TF and MC238-F10TF - 3/8" Models



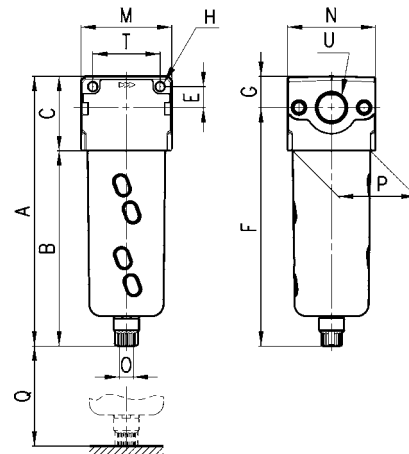
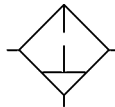
Pa = Inlet pressure
ΔP = Pressure Drop
Qn = Flow

MC202-F00TF and MC202-F10TF - 1/2" Models



Pa = Inlet pressure
ΔP = Pressure Drop
Qn = Flow

Filters Series MC



DIMENSIONS (in inches)

Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	U
MC104-F00TF	5.630	4.016	1.614	.433	4.980	.650	.177	1.772	1.772	1/8	1.457	2.23	1.378	1/4
MC238-F00TF	7.244	5.236	2.008	.551	6.417	.827	.217	2.441	2.362	1/8	2.087	2.835	1.811	3/8
MC202-F00TF	7.244	5.236	2.008	.551	6.417	.827	.217	2.441	2.362	1/8	2.087	2.835	1.811	1/2