



Compressed Air Filters 'MP series'

A comprehensive range of threaded filters and flanged filters with 14 models offering connections from 1/2" to DN150 or requirement and capacities up to 197 Nm³/min (6958 SCFM).

Applications include

- Chemical
- Dental
- Electronics
- Emissions Monitoring
- Food & Beverage
- Instrumentation
- Laboratories
- Laser Cutting
- Manufacturing
- Military
- Oil & Gas
- Paint Applications
- Pharmaceutical Manufacturing
- Pneumatic Conveying
- Railway

Features of our product

- Extended current route to decrease pressure drop
- High grade aluminum-silicon and carbon-steel cartridge
- Water and corrosion resistant surface covered with epoxy resin
- Combined inlet and outlet with screw threads and air flow indicator on the cartridge for easy installation and control
- Various compact designs to fit different pipe sizes
- Update pressure indicator for timely warning of the need to replace the components
- Level indicator to monitor the critical level of downstream pollution prevention
- Reliable automatic drainage



Do surface treatment OK No surface treatment NG

Furthermore, we adopted an advanced technology of surface treatment used in the production process of our filter housing, both internal and external components, which can assure extended usage period.

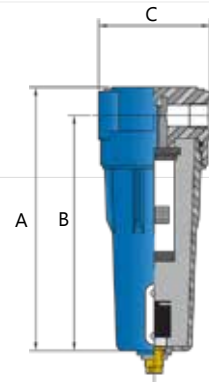
Therefore, we offer a 10-year guarantee from the date of installation. Pictures this side show the differentiation between our product and the other's without similar quality treatment.



Technical Specification

Working conditions:

- Maximum operating temperature: 176°F (80°C)
- Minimum operating temperature: 36°F (2°C)
- Maximum operating pressure: 228psig (16 barg)



Filter Model	Connection	Flow - Rate			Dimensions (mm)				Pressure	Weight	Filter Element
	Ø	Nl/min	Nm ³ /h	scfm	A	B	C	D	(bar max)	(+ Kg)	(No. x Model)
MP 0020	G ½"	1,700	102	60	243	217	104	-	16	1.2	1 x P0020*
MP 0040	G 1"	3,500	210	124	313	287	104	-	16	1.5	1 x P0040*
MP 0070	G 1½"	7,100	426	251	385	424	138	-	16	3	1 x P0070*
MP 0110	G 1½"	10,600	636	374	585	624	138	-	16	3.6	1 x P0110*
MP 0140	G 2"	13,800	828	487	685	639	148	-	16	9.5	1 x P0140*
MP 0180	G 2"	17,500	1,050	618	825	779	148	-	16	11.8	1 x P0180*
MP 0220	G 2½"	22,100	1,326	780	850	800	150	-	16	12	1 x P0220*
MP 0260	G 2½"	26,000	1,560	918	1,000	950	150	-	16	13.6	1 x P0260*

Pressure (psi)	29	43	57	71	85	100	114	128	142	156	171	185	199	213	228
Pressure (bar)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	0.36	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

Performance	Filter Grade	P		S		X		Z	
	Particle removal	5 micron		1 micron		0.01 micron		N/A	
	Maximum particle size class**	3		2		1		N/A	
	Maximum oil content	4		2		1		1	
	Maximum oil carry over at 20°C	5 mg/m ³		0.1 mg/m ³		0.01 mg/m ³		0.003 mg/m ³	
	Pressure loss: clean and dry	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
	Pressure loss: saturated	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	-	-
	Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	6 months	1000 hours
	Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig

**to ISO8573-1:2001 (E)

Technical notes

- 1) Direction of air flow is inside to out through the filter element.
- 2) Internal float drain (MI01) are fitted to models MP0020 - MP0110 as standard.
- 3) External float drain (HAD20B) are fitted to model MP0140 - MP0260 as standard.
- 4) Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO₂).
- 5) Filter elements should be changed every 12 months / 8000 hours (whichever comes first).
Activated carbon filter elements should be changed every 6 months / 1000 hours (whichever comes first).