



Compressed Air Flanged Filters 'MT series'

A comprehensive range of flanged filters with 5 models offering connections from DN80 to DN150 or requirement and capacities up to 200 Nm³/min (7063 SCFM).

Features of our product

- ✓ Easy to change element from top flange
- ✓ High grade carbon-steel cartridge
- ✓ Water and corrosion resistant surface covered with epoxy resin
- ✓ 5 Level filtration grade
- ✓ Level indicator to monitor the critical level of downstream pollution prevention
- ✓ Reliable automatic drainage
- ✓ Can provide as customer require

The comparison of anti-corrosion treatment



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.

Applications include

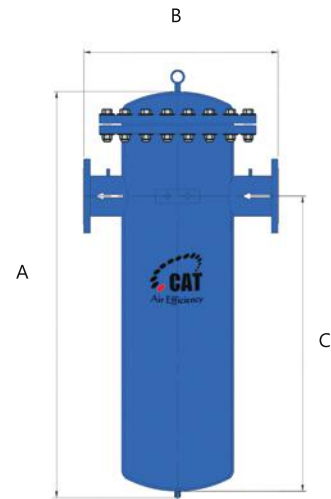
- Chemical
- Electronics
- Food & Beverage
- Manufacturing
- Military
- Oil & Gas
- Paint Applications
- Pharmaceutical Manufacturing
- Pneumatic Conveying



Technical Specification

Working conditions:

- Maximum operating temperature: 176°F (80°C)
- Minimum operating temperature: 36°F (2°C)
- Maximum operating pressure: 174 psig (12 barg)



Filter Model	Connection	Flow - Rate			Dimensions (mm)			Pressure	Weight	Filter Element
	Ø	Nl/min	Nm ³ /h	scfm	A	B	C	(bar max)	(+ Kg)	(No. x Model)
CAT0450F	FLG. 3"	45,000	2,700	1,589	1118	336	908	12	86	1 x ET680*
CAT0550F	FLG. 4"	55,000	3,300	1,942	1131	550	935	12	119	3 x ET680*
CAT0950F	FLG. 5"	95,000	5,700	3,355	1250	600	930	12	148	5 x ET680*
CAT1300F	FLG. 6"	130,000	7,800	4,591	1380	660	1006	12	204	6 x ET780*
CAT2000F	FLG. 6"	200,000	12,000	7,063	1400	942	963	12	317	11 x ET680*

Pressure (psi)	29	43	57	71	85	100	114	128	142	156	171
Pressure (bar)	2	3	4	5	6	7	8	9	10	11	12
Correction factor	0.36	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63

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) Pipe differential pressure gauge (PG02) are fitted to models CAT0450F - CAT2000F as optional.
- 3) External float drain (HAD30B) are fitted to model CAT0450F - CAT2000F as standard.
- 6) 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).
- 7) 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).



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Manufacture of filter element of air compressor system
and vacuum system for industry and hospital