

FILTER ELEMENT - M

General purpose filter (Particulate + Coalescing)

DESCRIPTION

M grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air⁽¹⁾.

APPLICATIONS⁽²⁾

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

⁽¹⁾For any other technical gas please contact us or your local dealer

⁽²⁾M grade filter element can be used in variety of applications. For applications not listed please contact us or your local dealer.



FILTER ELEMENT RATING ACCORDING TO ISO8573-1

Solid particles	Water	Oil
Class 2	-	Class 2

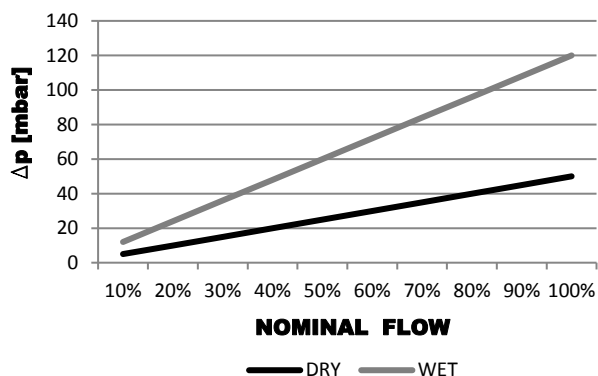
Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 barg	0 - 232 psi
Differential pressure (dry)	50 mbar	0,725 psi
Differential pressure (wet)	120 mbar	1,740 PSI
Particle retention (nominal)	99,9999% (0,1 µm)	
Particle retention rate ISO ⁽³⁾	99,98 %	
Residual oil content ⁽⁴⁾	< 0,1mg/m ³	
Flow direction	INSIDE to OUT	

⁽³⁾Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 M, Most penetrating particle size MPPS 0,3 µm

⁽⁴⁾Tested according to ISO12500-1, 06050 M, Oil aerosol viscosity 32mm²/s, inlet concentration 10mg/m³



MATERIALS

Filter media	Borosilicate micro fibers
Drainage media	Polyester based polyurethane
Support (inner-outer)	Stainless Steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

SIZES

FILTER ELEMENT SIZE	DIMENSIONS [mm]	FLOW CAPACITY [Nm ³ /h]	FLOW CAPACITY [scfm]	FITS INTO FILTER HOUSING
03528 M	Ø=28;h=35	10	6	AAF 0006
05528 M	Ø=28;h=55	18	11	AAF 0016
03844 M	Ø=44;h=38	30	18	AAF 0026 / 0036
06050 M	Ø=51;h=60	60	35	AAF 0046 / AF & AAF 0056
07050 M	Ø=51;h=70	78	46	AF & AAF 0076
14050 M	Ø=51;h=140	120	70	AF & AAF 0106
12075 M	Ø=75;h=125	198	116	AF & AAF 0186
22075 M	Ø=75;h=225	335	197	AF & AAF 0306
32075 M	Ø=75;h=325	510	300	AF & AAF 0476
50075 M	Ø=75;h=505	780	459	AF & AAF 0706
51090 M	Ø=90;h=510	1000	588	AF 0946
76090 M	Ø=90;h=760	1500	882	AF 1506
76090 M	Ø=90;h=760	1680	990	AF 1756
51140 M	Ø=140;h=510	2160	1270	AF 2006
75140 M	Ø=140;h=750	2760	1620	AF 2406

Ø=Diameter;h=Height

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).

CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C _{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Replace filter element at least once per year or when pressure drop reaches 350mbar.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285	
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