

**MIF**

COMPRESSED AIR FILTRATION

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## MIF

## Compressed air filtration

### Compressed air: a great resource to know

Clean and oil-free compressed air is easily achieved with the new range of MIF performance validated compressed air and gas filters. Mattei MIF filters provide:

- improved filtration for your compressor room or point of use application
- reliable and efficient liquid and particulate removal with low pressure drop
- space saving design - no tie rod allows easy bowl removal
- three element grades from 1 to 0.01 micron
- a comprehensive range of accessories for every application



**EXTERNALLY SERVICEABLE AUTOMATIC FLOAT DRAIN WITH MANUAL OVERRIDE**



**DUAL SIDED DIFFERENTIAL PRESSURE GAUGES & INDICATORS**

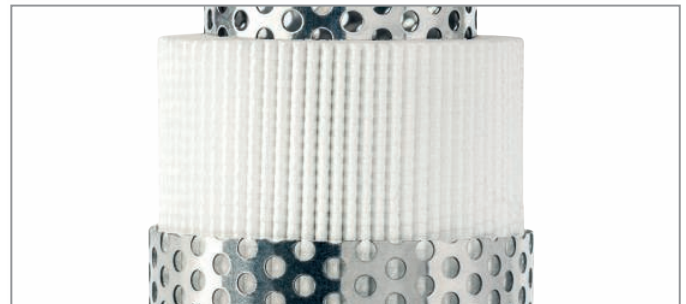
## VALIDATION

Filtration performance is validated & tested by independent laboratories in accordance with international filtration & safety standards.

- Manufactured in ISO 9001 approved facilities
- Independently tested to ISO 12500

## WARRANTY

A 1 year element and a 10 year housing warranty comes as standard.



**DEEP-PLEATED MEDIA DELIVERS EXCEPTIONAL PARTICULATE RETENTION AND OIL AEROSOL REMOVAL WHILE SIGNIFICANTLY REDUCING PRESSURE LOSSES.**



**PUSH FIT ELEMENTS FOR PERFECT SEALING WITHIN FILTER HOUSING; COLOR CODED END CAPS**

# MIF FILTERS

## Filter element features

- ▶ **STAINLESS STEEL CYLINDERS** provide strength, rigidity & corrosion resistance
- ▶ **DEEP PLEATED FILTER MEDIA BED** provides low differential pressure resulting in improved energy efficiency & long element life
- ▶ **HYDROPHOBIC & OLEOPHOBIC borosilicate glass microfiber media** repels oil & water for improved coalescing performance
- ▶ **OUTER RE-ENTRAINMENT DRAINAGE LAYER** compatible with synthetic lubricants & prevents oil carry over
- ▶ **AIR DISTRIBUTION DUCT** provides uniform air flow, resulting in lower differential pressure & improved filtration & flow dynamics
- ▶ **PUSH-FIT ELEMENT** no tie rod simplifies element change out & reduces access requirements for bowl removal
- ▶ **CORROSION RESISTANT ENDCAPS** color coded to provide easy & accurate filtration grade identification
- ▶ **LOWER ANNULAR LOCATION RING** prevents element vibration, improves stability in reverse flow (dust removal) applications & improves drainage

## Filter housing features

- ▶ **EXTENSIVE RANGE** ports from ¼" to 3" NPT, & flow capacities up to 1500 scfm
- ▶ **ALUMINUM DIE CAST HOUSING** pressure die casting provides enhanced strength & long life
- ▶ **E-COAT™ INTERNAL COATING** advanced process provides exceptional corrosion resistance
- ▶ **POWDER COATED EXTERIOR** provides a tough and abrasion resistant surface
- ▶ **GUARANTEED SAFE HOUSING CLOSURE** with single start, fixed thread engagement stop and lock indication arrows to prevent over tightening ensuring effective sealing
- ▶ **LARGE CONDENSATE RESERVOIR** provides a quiet zone for bulk oil collection
- ▶ **EXTERNALLY ACCESSIBLE FLOAT** supplied as standard
- ▶ **HEXAGON SPANNER LOCATOR** for simple bowl removal
- ▶ **NO TIE ROD** for minimum maintenance access





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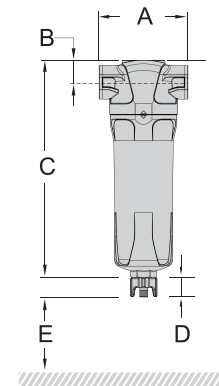
## MIF

MODEL	INLET & OUTLET CONNECTIONS	RATED FLOW <sup>(1)</sup>		DIMENSIONS (INCH)					APPROX WEIGHT	REPLACEMENT ELEMENT
				A	B	C <sup>(2)</sup>	D	E		
MIF	NPT	scfm	Nm <sup>3</sup> /hr	inch	inch	inch	inch	inch	lbs	
MIF 0006 (grade)	1/8"	6	10	1.97	0.67	6.18	1.1	10.5	0.6	IE 0006 (grade)
MIF 0015 (grade)	1/4"	15	25	1.97	0.67	6.18	1.1	10.5	0.6	IE 0015 (grade)
MIF 0025 (grade)	1/4"	25	42	2.76	0.95	9.09	1.1	13.4	1.3	IE 0025 (grade)
MIF 0032 (grade)	3/8"	32	54	2.76	0.95	9.09	1.1	13.4	1.3	IE 0032 (grade)
MIF 0050 (grade)	1/2"	50	85	2.76	0.95	9.09	1.1	13.4	1.3	IE 0050 (grade)
MIF 0070 (grade)	1/2"	70	119	5	1.26	11.22	1.18	15.6	3.7	IE 0070 (grade)
MIF 0085 (grade)	3/4"	85	145	5	1.26	11.22	1.18	15.6	3.7	IE 0085 (grade)
MIF 0105 (grade)	1"	105	178	5	1.26	11.22	1.18	15.6	3.7	IE 0105 (grade)
MIF 0125 (grade)	3/4"	125	212	5	1.26	14.61	1.18	19	4.4	IE 0125 (grade)
MIF 0175 (grade)	1"	175	298	5	1.26	14.61	1.18	19	4.4	IE 0175 (grade)
MIF 0280 (grade)	1 1/4"	280	476	5.51	1.58	18.7	1.18	23.1	6.6	IE 0280 (grade)
MIF 0325 (grade)	1 1/2"	325	553	5.51	1.58	18.7	1.18	23.1	6.6	IE 0325 (grade)
MIF 0450 (grade)	2"	450	765	6.69	2.09	20	1.18	24.4	10.8	IE 0450 (grade)
MIF 0700 (grade)	2"	700	1190	6.69	2.09	27.87	1.18	32.2	12.1	IE 0700 (grade)
MIF 0850 (grade)	2 1/2"	850	1445	8.66	2.76	28.98	1.18	33.4	23.1	IE 0850 (grade)
MIF 0900 (grade)	3"	900	1530	8.66	2.76	28.98	1.18	33.4	23.1	IE 0900 (grade)
MIF 1250 (grade)	3"	1250	2125	8.66	2.76	33.74	1.18	38.1	25.4	IE 1250 (grade)
MIF 1500 (grade)	3"	1500	2550	8.66	2.76	39.57	1.18	43.9	27.6	IE 1500 (grade)

SPECIFICATIONS	MIF 0006 - 0015	MIF 0025 - 0050	MIF 0070 - 1500
Design operating pressure range <sup>(3)</sup>	0 - 232 psig	0 - 232 psig	22 - 232 psig
Automatic float drain <sup>(4)</sup>	GFDK 0050	GFDK 0050	GFDK 1500
Differential pressure indicator	-	GFDP 0050	-
Differential pressure gauge	-	-	GFDP 1500

ELEMENT PERFORMANCE	M1	M01	AC
Maximum particle size (ISO class)	3	1	-
Maximum oil content (ISO class)	3	2	1
Particle removal (microns)	1	0.01	-
Max carry over at 68°F (ppm or mg/m <sup>3</sup> )	0.3	0.01	0.003
Design operating temperature range (°F)	35 - 176	35 - 176	35 - 122

PRESSURE CORRECTION FACTORS <sup>(4)</sup>										
Operating pressure	psig	58	72	87	100	115	145	174	203	232
Correction factor		0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51



(1) At 100 psig. For all other pressures refer to the pressure correction factor table above. | (2) Differential pressure indicator adds 1.65" to height. Differential pressure gauge adds 2.8" to height. | (3) For pressures between 232 and 300 psig, contact Mattei Compressors Inc for high-pressure drain options. (4) All filters are supplied with an automatic float drain. When high liquid loads are anticipated we recommend installing a high capacity external condensate drain. Contact info@matteicomp.com for available options. | (5) Technical specifications subject to change without notice. Direct inquiries to mus.info@matteigroup.com.



[www.matteigroup.com/en-us/](http://www.matteigroup.com/en-us/)

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