

Macrofalt Pleated Filter for Coarse and Fine Dust



CLEAN
AIR



POWER
GENERATION



CLEAN
ROOM



INDUSTRIAL

Macrofalt is used in air conditioning applications when optimisation of air filtration to a small area is required. A compact construction with a height of only 48 mm, a large filter area and high dust holding capacity, are key features of this filter. The ratio of filter area to face area is: 13:1 – a value rarely found in competing filters.

Macrofalt filters have been tested at an independent laboratory and reach the filter classes G4 and M5 according EN779 and are suitable to VDI6022.

CONSTRUCTION

Macrofalt consists of well-established, nonwoven technology of different filter efficiencies. The media is pleated at optimised distances and fixed with flexible distance holders according to a patented technique. With this process filter packs are generated which will be fixed in the plastic frames tightly and provide an excellent seal.

KEY FACTS

- Maintenance free: For simple, low cost of ownership
- Large filter area: Provides a long service life and high dust holding capacity
- No dust break through: For assured performance
- Patented, flexible pleat distance holders: Allows a uniform air flow across the filter surface
- Free from metal and fully incinerable: For easy, environmentally friendly disposal



MANN+HUMMEL participates in the ECC programme for Air Filters. Check ongoing validity of certificate: www.eurovent-certification.com or www.certiflash.com

Macrofalt

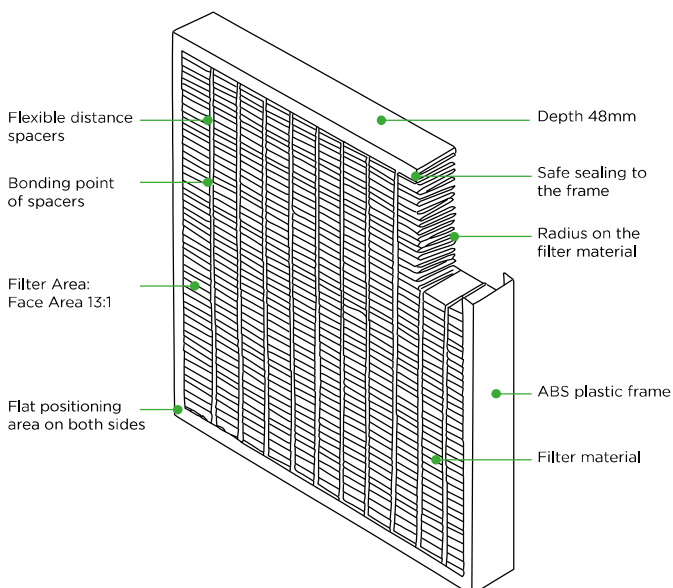
Technical Data

G4 Type	Unit	MF30B36	MF30B56	MF30B66
Average Arrestance (EN 779)	%	>90	>90	>90
Dimensions (W x H x D)	mm	287 x 592 x 48	490 x 592 x 48	592 x 592 x 48
Nominal Air Flow	m ³ /h	1,700	2,550	3,400
Initial Pressure Drop	Pa	50	50	50

M5 Type	Unit	MF45B36	MF45B56	MF45B66
Average Arrestance (EN 779)	%	96	96	96
Average Efficiency (EN 779)	%	40-60	40-60	40-60
Dimensions (W x H x D)	mm	287 x 592 x 48	490 x 592 x 48	592 x 592 x 48
Nominal Air Flow	m ³ /h	1,700	2,550	3,400
Initial Pressure Drop	Pa	80	80	80
Energy Rating *	-	E	E	E

Macrofalt General Data				
Recommended Final Pressure Drop	Pa	250	250	250
Relative Air Humidity	%	100	100	100
Continuous Operating Temperature	°C	80	80	80
Filter Area	m ²	2.2	3.8	4.6
Frame Size	mm	305 x 610	508 x 610	610 x 610
Weight	kg	0.6	0.8	1.0

* Energy Rating – as is the case with many consumer goods, our M5–F9 filters are rated according to their energy efficiency on a scale of A+ (the best) to E (the worst). These ratings are certified by Eurovent and in accordance with the 4/21 scheme.



PRESSURE DROP / AIR FLOW

