



VOKES AIR

Taking small steps together, always ahead, towards a better world

Macrofalt

Pleated filter for coarse and fine dust





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APPLICATIONS



Clean Air



Power Generation



Clean Room



Industrial

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

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 48mm, 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 F5 according EN779 and are suitable to VDI6022.



- ▼ Macrofalt

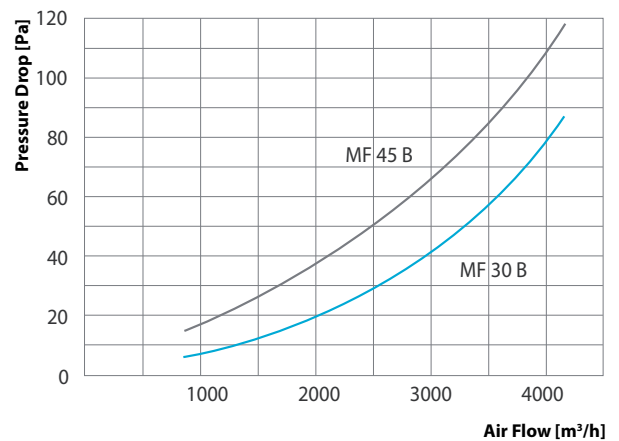
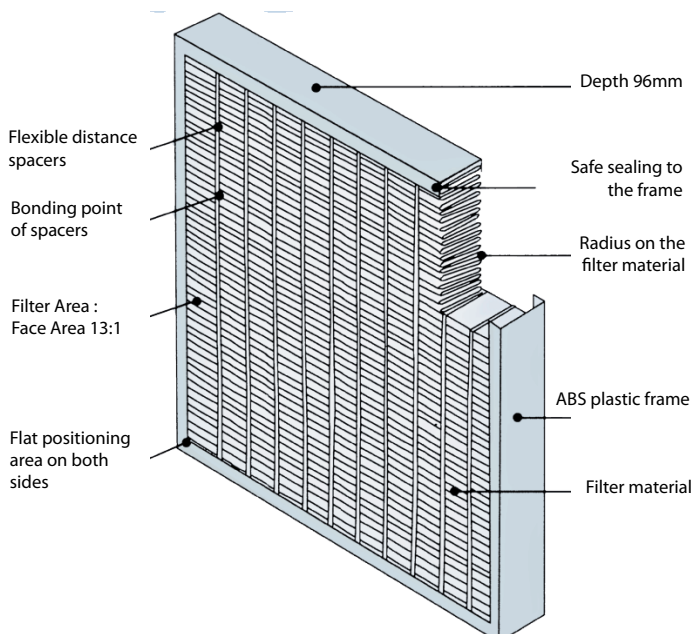


Technical Data

| G4 Type | | MF30B36 | MF30S6 | MF30B66 |
|------------------------------|-------------------|----------------|----------------|----------------|
| Average arresstance (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 | 1700 | 2550 | 3400 |
| Initial pressure drop | Pa | 50 | 50 | 50 |

| F5 Type | | MF45B36 | MF45B56 | MF45B66 |
|------------------------------|-------------------|----------------|----------------|----------------|
| Average arresstance (EN 779) | % | 95 | 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 | 1700 | 2550 | 3400 |
| Initial pressure drop | Pa | 80 | 80 | 80 |

| Macrofalt general data | | | | |
|---------------------------------|----------------|-----------|-----------|-----------|
| Recommended final pressure drop | Pa | 250 | 250 | 250 |
| Relative air humidity | % | 100 | 100 | 100 |
| Continous 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 |



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.

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In view of continuous research and development we reserve the right to modify specifications and dimensions without prior notice. For quoted standards, the issue valid at the print date of this leaflet is relevant.
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