

Pleated Filters - Synthetic Media Filters

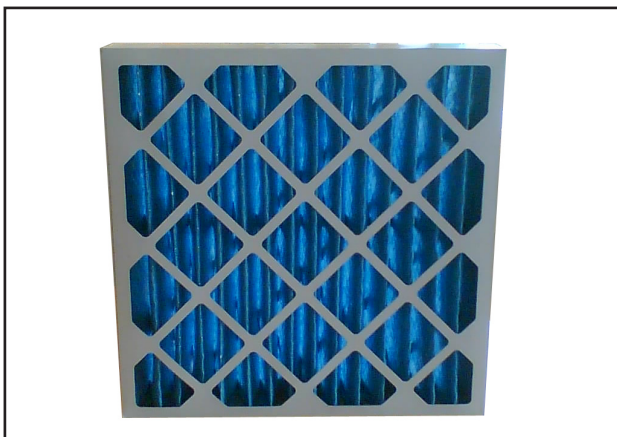
Introduction

The **AAC Eurovent** range of high quality pleated panel filters are designed for a wide range of industrial and commercial applications.

These synthetic media filters are made from a blend of cotton and polyester, bonded with a flame retardant binder and laminated to a galvanised mesh. The media is designed for use in a pleated configuration and is supplied in a white moisture resistant card frame. These filters are suitable for use in temperatures of up to 100 deg Celsius.

Features & Benefits

- Rated G4 to EN779.
- Low pressure drop, long service life.
- Rigid construction.
- Moisture Resistant card case.
- Standard and High Capacity versions available.
- Available in 22, 47, 98mm depths.
- Ideal for applications where glass fiber filters are prohibited.
- Profile pleated synthetic media laminated onto an expanded metal grid.
- Metal grid finish treated to prevent oxidization
- Grid has a 98% open face area for increased media utilization
- Suitable for airflows up to 3400m³/hr



AAC Pleated filter in blue

Technical Details:

| Nominal H X W | Actual H X W | Rated Air Flow (m ³ /h) | | | Initial Pressure Drop (Pa) | | |
|---------------|--------------|------------------------------------|------|------|----------------------------|------|------|
| | | 22mm | 47mm | 98mm | 22mm | 47mm | 98mm |
| 20x10 | 496x240 | 596 | 793 | 990 | 35 | 50 | 70 |
| | | 836 | 1114 | 1393 | 45 | 65 | 90 |
| 20x16 | 496x395 | 980 | 1305 | 1629 | 35 | 50 | 70 |
| | | 1375 | 1834 | 2292 | 45 | 65 | 90 |
| 20x20 | 496x496 | 1231 | 1638 | 2046 | 35 | 50 | 70 |
| | | 1727 | 2303 | 2878 | 45 | 65 | 90 |
| 25x16 | 620x395 | 1255 | 1631 | 2037 | 35 | 50 | 70 |
| | | 1719 | 2292 | 2865 | 45 | 65 | 90 |
| 25x20 | 620x496 | 1539 | 2048 | 2557 | 35 | 50 | 70 |
| | | 2159 | 2878 | 3598 | 45 | 65 | 90 |
| 24x12 | 596x287 | 856 | 1139 | 1422 | 35 | 50 | 70 |
| | | 1201 | 1600 | 2000 | 45 | 65 | 90 |
| 24x24 | 596x596 | 1778 | 2368 | 2954 | 35 | 50 | 70 |
| | | 2494 | 3325 | 4156 | 45 | 65 | 90 |

Highlighted figures are for high capacity panels. Recommend final resistance 250pa.

Sizes, Standard and High Capacity:

Type SC Pleated Panels:
 22mm (14 pleats per foot)
 47mm (10 pleats per foot)
 98mm (8 pleats per foot)

Type HC Pleated Panels:
 22mm (16 pleats per foot)
 47mm (15 pleats per foot)
 98mm (11 pleats per foot)

G4 Standard Capacity:

Colour
Thickness
Web
Flamability
Filter Size
Number of Pleats

Blue or Green
 approx 0.6mm
 Uniform fiber distribution
 UL Class II Listed
 As per customer order
 1" 14 pleats per linear foot
 2" 10 pleats per linear foot
 4" 8 pleats per linear foot

Performance

24" X 24" X 2" filter tested by Independent Laboratory in accordance with ASHRAE 52.1 Test Method.

Initial Resistance @ 500 FPM = 0.22 - 0.30"
 w.g. (55 - 75pa)

Final Resistance = 1.00" w.g. (250pa)

Average Dust Spot Efficiency = 22 - 28%

Average Arrestance = 90 - 94%

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