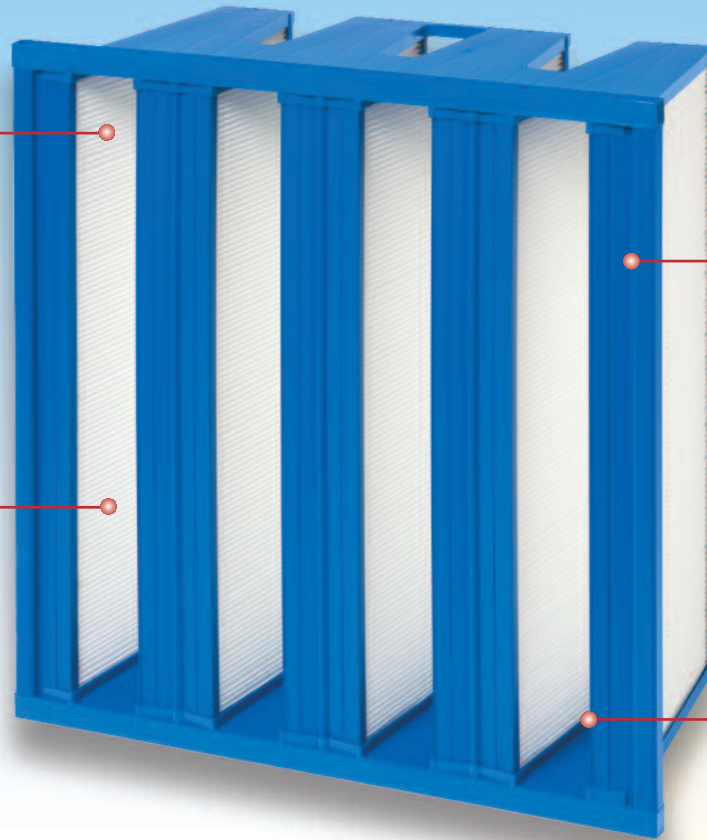


FMV V-BANK FILTER



100% synthetic, thermally bonded media is impervious to degradation in environments with high moisture content

V-shaped filter design to maximize media area and filter life



All plastic frame is corrosion proof in the harshest of operating conditions

Pleated media is sealed in polyurethane around the perimeter of the filter, ensuring a leak-free design

▶ **The Low Pressure Drop, Strength and Durability** of the FMV makes it an excellent final filter for use in rotating machinery.

▶ **Excellent Filter for All Types of Inlet Housings,** the FMV is constructed to withstand turbulence and high air velocities.

▶ **100% Synthetic, Thermally Bonded Media** is impervious to degradation in environments with high moisture content.

▶ **Progressively Structured Synthetic Media** for depth loading of particulate provides a low pressure drop at high efficiency levels for increased gas turbine performance and output.

▶ **V-Shaped Filter Design** to maximize media area and filter life for optimal performance.

▶ **Pleated Media is Sealed** in polyurethane around the perimeter of the filter, ensuring a leak-free design, eliminating particle by-pass.

▶ **All-Plastic Frame is Corrosion Proof** in the harshest of operating conditions and permits incineration after use.

▶ **High Strength Synthetic Media** and polyurethane potting combine to give the filter a burst strength greater than 25" WG.

▶ **Synthetic Media Pleat Pack** is extremely durable and resistant to deformation and media puncture during handling, installation and operation.



FMV V-BANK FILTERS

FMV FILTER TECHNICAL DATA

| Sizes | Units | 1/1 | FMV-75 5/6 | 1/2 |
|------------------------|-------|---|---|---|
| Standard Holding Frame | in | 24 x 24 | 20 x 24 | 12 x 24 |
| Frame Depth | in | 11.5 | 11.5 | 11.5 |
| Weight | lb | 12.5 | 10 | 6.25 |
| Header Size | in | 23 ³ / ₈ x 23 ³ / ₈ | 19 ³ / ₈ x 23 ³ / ₈ | 11 ³ / ₈ x 23 ³ / ₈ |

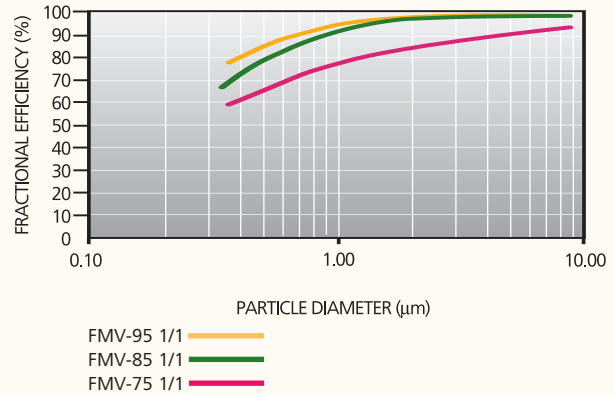
| Sizes | Units | 1/1 | FMV-85 5/6 | 1/2 |
|------------------------|-------|---|---|---|
| Standard Holding Frame | in | 24 x 24 | 20 x 24 | 12 x 24 |
| Frame Depth | in | 11.5 | 11.5 | 11.5 |
| Weight | lb | 12.5 | 10 | 6.25 |
| Header Size | in | 23 ³ / ₈ x 23 ³ / ₈ | 19 ³ / ₈ x 23 ³ / ₈ | 11 ³ / ₈ x 23 ³ / ₈ |

| Sizes | Units | 1/1 | FMV-95 5/6 | 1/2 |
|------------------------|-------|---|---|---|
| Standard Holding Frame | in | 24 x 24 | 20 x 24 | 12 x 24 |
| Frame Depth | in | 11.5 | 11.5 | 11.5 |
| Weight | lb | 12.5 | 10 | 6.25 |
| Header Size | in | 23 ³ / ₈ x 23 ³ / ₈ | 19 ³ / ₈ x 23 ³ / ₈ | 11 ³ / ₈ x 23 ³ / ₈ |

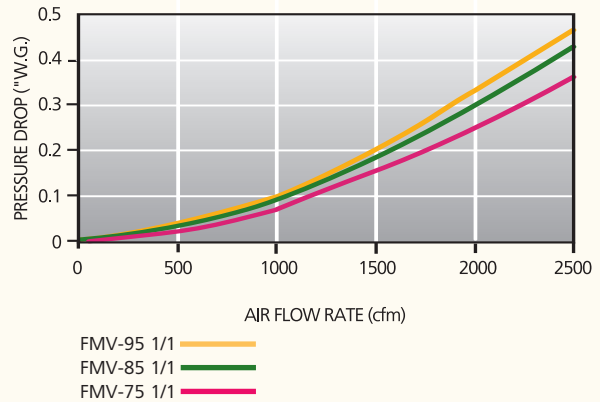
| Performance | Unit | FMV-75 1/1 Value | FMV-85 1/1 Value | FMV-95 1/1 Value |
|-----------------------------------|-----------------|---------------------|---------------------|---------------------|
| Rated Air Flow | cfm | 2000 | 2000 | 2000 |
| Media Area | ft ² | 160 | 160 | 160 |
| Initial Resistance* | "w.g. | 0.24 | 0.31 | 0.34 |
| Final Resistance* | "w.g. | 1.5 | 1.5 | 1.5 |
| MERV* | | 12 | 14 | 15 |
| Average ASHRAE Efficiency | % | 75% | 85% | 95% |
| DHC @ 1.5" w.g. Final Resistance* | g | 375 | 280 | 250 |
| Initial Resistance @ 2500 cfm* | "w.g. | 0.36 | 0.43 | 0.46 |
| DHC @ 4.0" w.g. Final Resistance* | | | | |
| SAE Fine Dust @ 2500 cfm | g | 375 | 280 | 250 |
| Temperature Resistance | °F | 160 | 160 | 160 |
| Short Peaks | °F | 185 | 185 | 185 |
| Burst Strength | "w.g. | > 25 | > 25 | > 25 |

* Test performed according to ASHRAE Test Standard 52.2-1999

FRACTIONAL EFFICIENCY vs PARTICLE DIAMETER (2000 cfm)



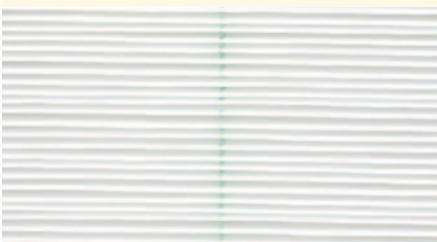
PRESSURE DROP vs AIR FLOW RATE



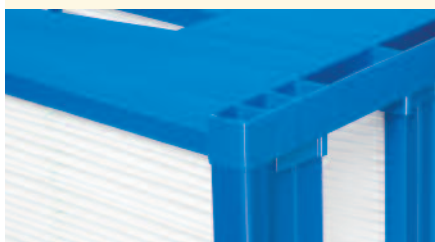
Other options are available for the FMV Filter, including:

- Double header
- Full wrap box style
- Gasketing – upstream, downstream or side of header

100% synthetic filter media



High impact plastic frame



Molded-in convenient carrying handle



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