

FMV FILTER



Integrated handle
for ease of carrying
and installation



High impact plastic frame
for rigid construction in
a 1 1/2" deep space
saving design

Two layer gradient density 100% synthetic media
for depth loading
capability

- ▶ **Edge Banded Pleating Process**
eliminates the need for glue separators and maximizes the useable media area
- ▶ **Completely Incinerable**
no metal parts improves disposability options
- ▶ **Low Pressure Drop Design**
provides maximum energy savings, (\$0.08/cfm) compared to traditional rigid filters based on \$0.10/kwh
- ▶ **Moisture Resistant** up to 100% relative humidity
- ▶ **Temperature Stability** 160 °F continuous

DESCRIPTION

The FMV is extremely durable and designed to withstand rough handling and hostile environments. The all plastic frame is impervious to moisture and dust while making the filter lightweight, easy to transport and handle. The engineered media is a composite of a durable and uniform wet laid scrim laminated to a proprietary gradient density melt blown matrix of synthetic fibers. The result is an extremely durable media pack that resists damage from

debris, hostile environments, and abusive transport and installation. The FMV is the state-of-the-art in high efficiency HVAC filtration. The FMV has an exceptionally low resistance to air flow, generating significant energy savings.

FEATURES AND BENEFITS

- ▶ **UL 900 CLASS I LISTED** to meet all US code requirements for HVAC filters
- ▶ **MINIMUM RESISTANCE** maximizes life cycle cost savings of air filtration
- ▶ **100% MOISTURE RESISTANT** allows installation in high humidity, coastal and off-shore applications
- ▶ **RIGID PLASTIC FRAME AND MEDIA PACKS** result in a very light product of exceptional strength
- ▶ **ABSENCE OF METAL COMPONENTS** eliminates the possibility of corrosion and allows for total incineration after use
- ▶ **TWO LAYER GRADIENT DENSITY MEDIA** ensures depth loading of particles that greatly increases the DHC (dust holding capacity) of the FMV

APPLICATIONS

The FMV is perfectly suited for all HVAC filtration applications requiring high levels of filtration. The FMV is recommended for automotive, turbine, industrial, and hospital installations. The construction material of the FMV also makes it ideal for off-shore and coastal applications that will experience high concentrations of sea mist, fog, or humidity.

FMV FILTER

FMV FILTER TECHNICAL DATA

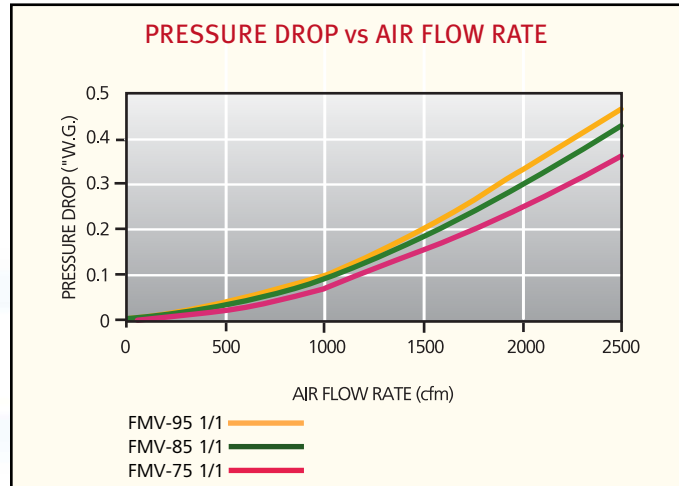
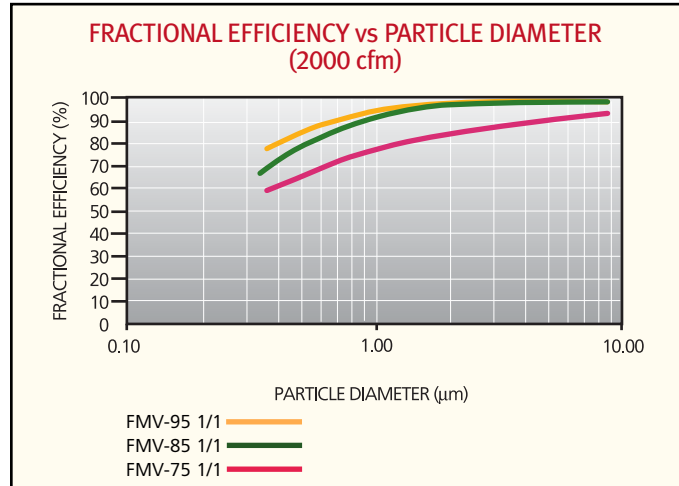
Sizes	Units	1/1	FMV-75 5/6	1/2
Standard Holding Frame	in	24 x 24	20 x 24	12 x 24
Frame Depth	in	11.5	11.5	11.5
Weight	lb	12.5	10	6.25
Header Size	in	23 ³ / ₈ x 23 ³ / ₈	19 ³ / ₈ x 23 ³ / ₈	11 ³ / ₈ x 23 ³ / ₈

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

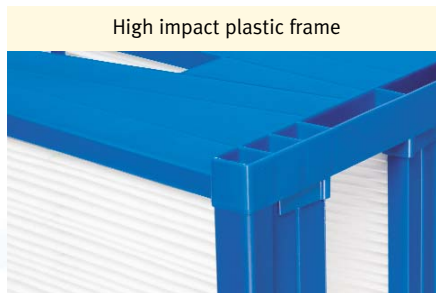
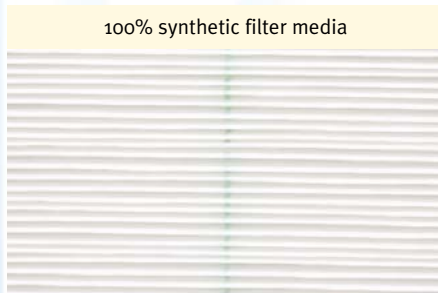
Performance	Unit	FMV-75 1/1 Value	FMV-85 1/1 Value	FMV-95 1/1 Value
Rated Air Flow	cfm	2000	2000	2000
Media Area	ft ²	155	155	155
Initial Resistance*	"w.g.	0.24	0.31	0.34
Final Resistance*	"w.g.	1.5	1.5	1.5
MERV*		12	14	15
Average ASHRAE Efficiency	%	75%	85%	95%
DHC @ 1.5" w.g. Final Resistance*	g	375	280	250
Initial Resistance @ 2500 cfm*	"w.g.	0.36	0.43	0.46
Temperature Resistance	°F	160	160	160
Short Peaks	°F	185	185	185
Burst Strength	"w.g.	> 12"	> 12"	> 12"

* Test performed according to ASHRAE Test Standard 52.2-1999



Other options are available for the FMV Filter, including:

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



DISTRIBUTED BY



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