

# HVAC - EXTENDED SURFACE RIGID CELL FILTERS

## Variflow HT - Extended Surface Rigid Cell Filters



Variflow HT filters are designed to provide high filtration efficiency in high temperature applications. Three temperature ranges are available (500°F, 750°F and 900°F) to meet the operating requirement of any system.

- High efficiency microglass paper media
- Three efficiencies – 90-95%, 80-85%, 60-65%
- Three temperature ranges- 500°F, 750°F and 900°F
- Completely rigid, metal box design
- Cross braces and faceguards on both sides
- 12” and 6” depths
- 24 gauge aluminized steel cell sides
- High temperature glass wrap sealant
- Single Header construction (standard)  
Double header (optional)
- High temperature gasket on air leaving side

### Heavy Duty Construction

The cell sides are constructed of aluminized steel, which will not flake off or become brittle at elevated temperatures. Cross braces and expanded metal faceguards on the air entering and leaving sides provide additional support and rigidity. Corrugated aluminum separators with rolled edges maintain proper spacing between pleats at all air flow rates and operating temperatures.

### Leak-free Installation

A high temperature gasket on the air leaving side seals the filter in its holding frame and prevents bypass. A high temperature microglass sealant is wrapped around the entire perimeter of the media pack to prevent leakage.

### Contains No Silicone

Variflow HT filters contain no silicone, making them ideal for drying ovens on paint booth systems where silicone could cause a contamination problem.

Part Number	Nominal Size (WxHxD)	Rated Air Flow (CFM) @ 500 FPM	Initial Resistance (In. W.G)			Final Resistance (In. W.G)	Media Area (Square Feet)
			90-95%	80-85%	60-65%		
VMB-*04-HT500	24 x 24 x 12	2000	.65	.55	.40	1.20	124
VMB-*13-HT500	20 x 20 x 12	1400	.65	.55	.40	1.20	82
VMB-*03-HT500	12 x 24 x 12	1000	.65	.55	.40	1.20	24
VMB-*04-HT750	24 x 24 x 12	2000	.60	.53	.43	1.20	139
VMB-*13-HT750	20 x 20 x 12	1400	.60	.53	.43	1.20	92
VMB-*03-HT750	12 x 24 x 12	1000	.60	.53	.43	1.20	28
VMB-*04-HT900	24 x 24 x 12	2000	.71	.65	.58	1.20	183
VMB-*13-HT900	20 x 20 x 12	1400	.71	.65	.58	1.20	125
VMB-*03-HT900	12 x 24 x 12	1000	.71	.65	.58	1.20	35

\*Filter efficiencies – (9 - 90-95%, 8 - 80-85%, 6 - 60-65%)

1. Actual face dimensions are 5/6” less than nominal (24” x 24” is 23-3/8” x 23-3/8”). Actual 12” depth is 11-1/2”.

2. Variflow HT should be installed with pleats running vertically.

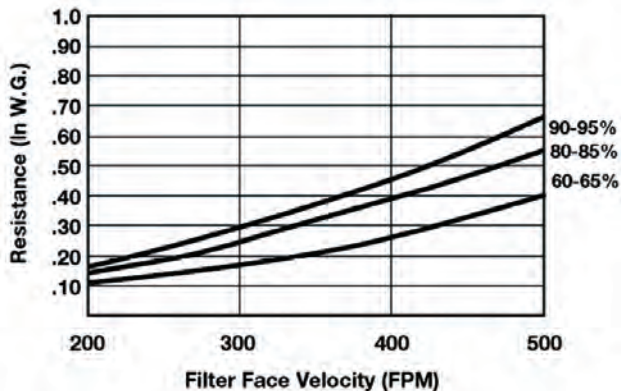
3. Do not exceed rated face velocity (500FPM) or final resistance (1.2” W.G.) in high temperature applications.

4. All performance data is based on the ASHRAE 52.1-1992 test method. Performance tolerance conform to section 7.4 of standard ARI Standard 850-93.

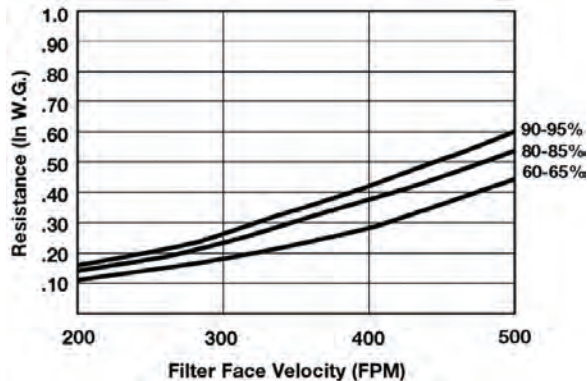
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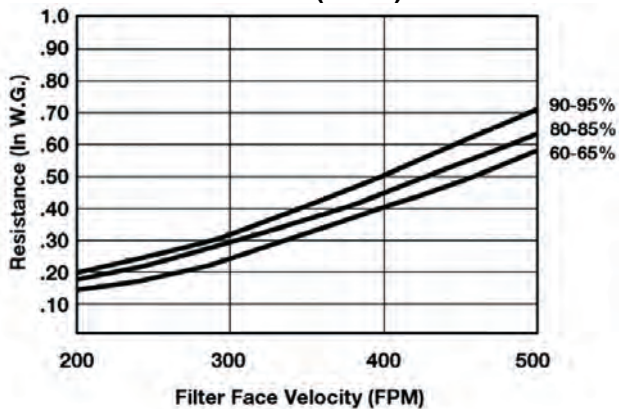
HT-500 (500°F)



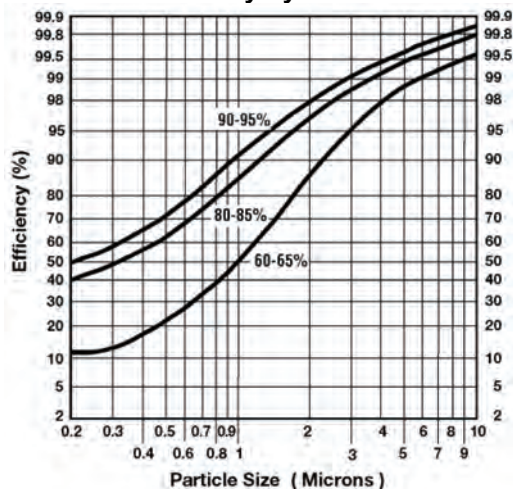
HT-750 (750°F)



HT-500 (500°F)



Efficiency by Particle Size



### Variflow HT Model Number Designators

Example:

VMB-903-HT-500-D

Metal Box, Single Header, 90-95% Efficiency, 12x24x12, High Temp, 500 Degrees F, Downstream Gasket

### VMB -9 03-HT-500-D

