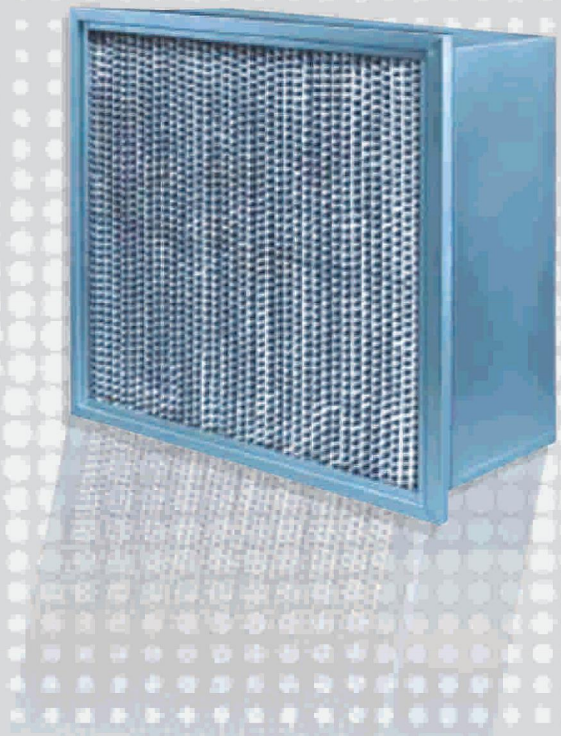




# VMI

## Extended Surface Supported Pleat Filters



Available In Three Efficiencies which is 60-65%, 80-85% & 90-95%  
Ideal Solution for Critical Operating Conditions such as:

- Variable air volume
- Turbulent airflow
- Repeated fan shutdown
- High temperature operation
- High humidity
- Intermittent exposure to water such as seacoast installations

### Designed To Improve Indoor Air Quality

VMI filters is designed to improve Indoor Air Quality (IAQ). The filters are designed to trap and concentrate particulate air contaminants, especially during high air flow and turbulence air situation.

### Engineered For A Variety Of Applications

VMI's rigid construction with supported pleat media pack maintains a compact, unitized structure even under tough operating condition; even during variable air velocity and repeated fan shutdown do not compromise the performance.

During the pleating process, spots of glue are applied to bond each separator to the adjacent pleat. This solidifies the media pack to minimize movement and prevent media damage. Burst strength is improved to prevent the filter from blowing out under variable air volume conditions or unusual high static pressure.

VM I comes with different choices of cell side, which is Particle board, Galvanized steel, and Stainless Steel. The metal cell side comes with 3 different designs, which is None Header, Single Header and Double Header construction. Besides that, VM I also comes with High Temperature model which able to withstand the temperature up to 250 degree celcius.

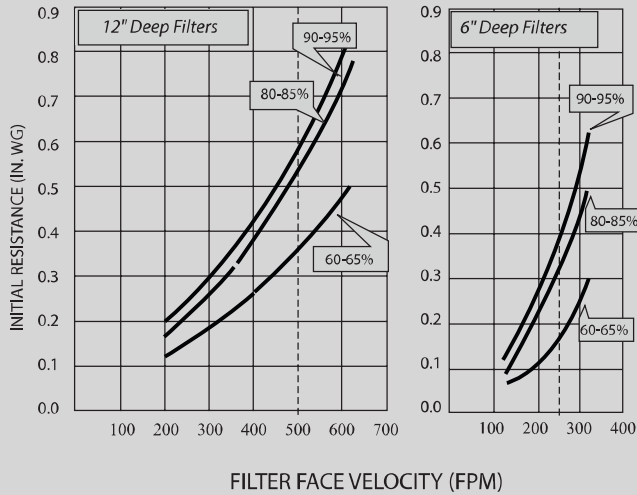
### DUAL DENSITY MEDIA REDUCES OPERATING COSTS

VMI media is manufactured with two layers of glass fibers: coarser fibers on the air entering side and finer fibers on the air leaving side.

Our dual density design allows dirt particles to be collected throughout the entire depth of the filter utilizing the full cleaning potential of the filter media, which leads to high dust holding capacity and provide the result of low maintenance cost. The high moisture resistant characteristic of this filter media also makes the filter suitable to be installed at high humidity area.

## OPERATING DATA

### Initial Resistance vs. Filter Face Velocity



### Operating Temperature Limits

VMI model	Temperature Limit	
Types SH, DH	350°F	177°C
Type NH	200°F	93°C

Underwriters Laboratories Inc. Classification:  
All VMI are Class1. Testing was performed according to U.L. Standard 900 and CAN 4-S111.

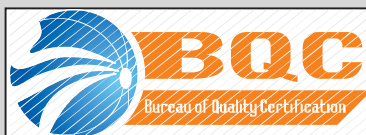
12 "deep filters are rated at 500 FPM filter face velocity. 6" deep filters are rated at 250 FPM filter face velocity.

Size (inches)	F6			F7			F8		
	Air volume (CMH)	Filter face velocity (FPM)	Initial resistance (Pa)	Air volume (CMH)	Filter face velocity (FPM)	Initial resistance (Pa)	Air volume (CMH)	Filter face velocity (FPM)	Initial resistance (Pa)
12x24x5 <sup>7/8</sup>	850	250	60	850	250	75	850	250	95
24x24x5 <sup>7/8</sup>	850	250	60	850	250	75	850	250	95
12x24x11 <sup>1/2</sup>	1700	500	90	1700	500	130	1700	500	150
24x24x11 <sup>1/2</sup>	3400	500	90	3400	500	130	3400	500	150

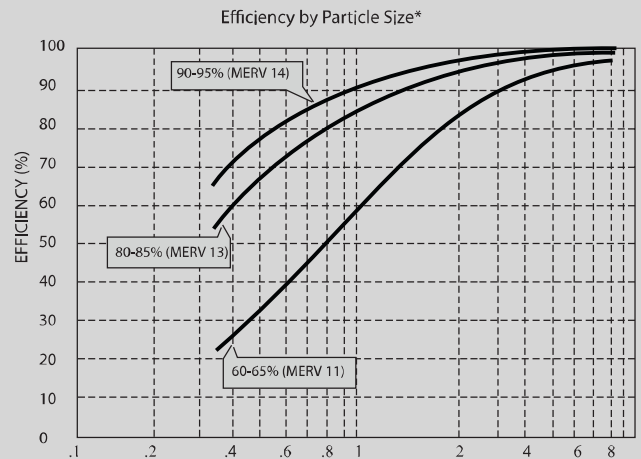
Recommended final resistance for all VMI filter is 500Pa

### OPTIONS

- VMI filters can be ordered with faceguards made of flattened, expanded, aluminized steel on one or both sides of the filter.
- Factory installed gaskets are available on the front or back of the header.



ISO 9001:2008 Cert. No:686481



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