



Product Features

Engineered for performance and versatility, the VM Meltblown Cartridge Series includes both an absolute rated (VM-A) and nominal rated (VM-N) filters, delivering reliable performance across a wide range of applications. Designed with graded-density media for maximum dirt-holding capacity, these filters deliver superior efficiency and reliability across industrial, commercial, and general process applications.

VM-A Absolute Rated

- 99% Efficiency at designated microns
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- Optional Core for Filter Stability
- High Dirt Loading

VM-N Nominal Rated

- 90% Efficiency at designated microns
- FDA Title 21 Compliant
- Great Value
- No Glue or Binders
- High Dirt Loading
- Low Pressure Drop

Product Specifications

Media:

Polypropylene

Micron Rating:

0.5
1
5
10
25
50
75
100
150

Operating Parameters

Recommended Maximum Change-Out Pressure:

30 psid (1.72 bar)

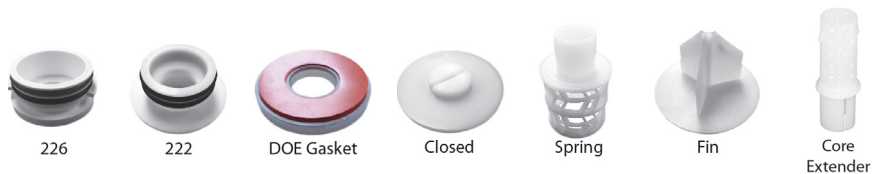
Max Temperature:

180°F (82°C)

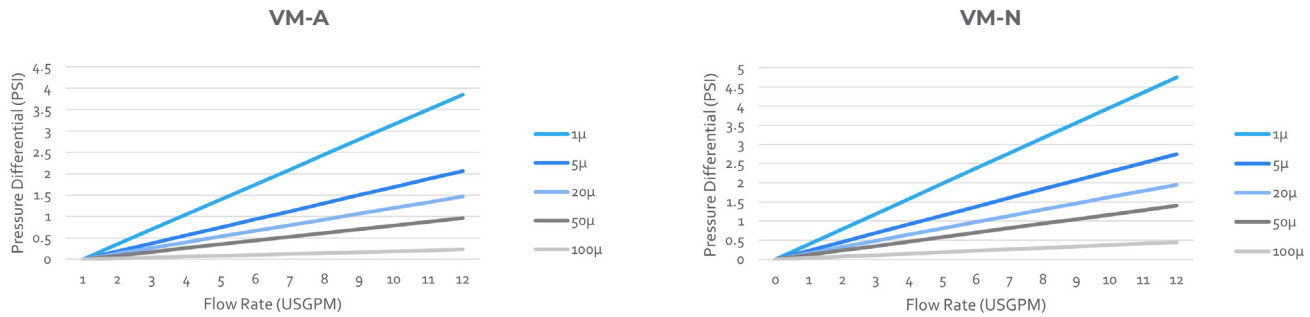
Advantages

- Continuous structure ensures efficient pre-filtration and final filtration performance.
- Precision manufacturing provides consistent fiber sizing and accuracy.
- High-strength polypropylene core maximizes flow and optimizes zone performance; cores available for the VM Series.
- 100% polypropylene construction suitable for a wide range of applications, including FDA-compliant food and beverage use (CFR Title 21).
- No surfactants, binders, or adhesives used in any construction.
- Available in continuous lengths up to 80"+.
- Universal compatibility with all major end configurations.
- Thermally bonded end caps (no glues or adhesives used).

Available End Caps



FLOW RATES VS DIFFERENTIAL PRESSURE



The charts above illustrate normal flow rate per 2.5 x 10" with water at an ambient temperature as the test fluid.

PRODUCT IDENTIFICATION

MeltBlown	Series	Micron Rating (µm)	Diameter	Length	End Cap	Gasket/O-Ring	Options (if applicable)
VM	A	100	ST	10	P7	S	
VM	A= Absolute N= Nominal	.5 1 5 10 25 50 75 100 150	ST= 2.5" BB= 4.5"	9.75 9.875 10 19.5 20 29.25 30 39 40 50	N= DOE/no caps P= DOE with caps P2= SEO/Spring P3= 222/Fin P4=222/Spring P6= 222/Flat P7= 226/Fin P8= 226/Flat PX= Core Extender	Blank= DOE cut ends B= Buna V= Viton T= Teflon S= Silicone N= Neoprene D= EPDM P= Polyfoam	F= Fibrous G= Grooved C= Polypropylene Core Blank= Standard Smooth Finish

* Custom options available upon request

WEIGHTS & DIMENSIONS

2.5" Standard Cartridge Diameter							
Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
10	0.3	30	10	13.25 x 7.75 x 24	1350	325	48 x 40 x 54
20	0.6	15	10	13.25 x 7.75 x 24	675	325	48 x 40 x 54
30	0.9	15	15	13.25 x 7.75 x 31	450	475	48 x 40 x 68
40	1.2	15	20	13.25 x 7.75 x 43	450	625	48 x 40 x 92
50	1.5	15	25	13.25 x 7.75 x 52	225	400	48 x 40 x 58

4.5" Standard Cartridge Diameter							
Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
10	1.1	12	15	13.25 x 9 x 20.125	540	475	48 x 40 x 46.25
20	2.2	6			270		

* Weights and dimensions are based on double open ended filters, and are approximate. Will differ slightly depending on various endcap configurations.



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