

Melt-Blown Cartridges

Thermally Bonded Cartridges

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Nominally-rated** micron ratings: from 1 to 75 um
- **Non-shedding cartridge**, free of binders
- **Graded pore construction** for high dirt-holding capacity
- **Available with molded core** for collapse prevention strength
- **Manufactured** in a Certified ISO 9001 Quality System
- **USP Class VI**: Meets USP Class VI Biological Test for Plastics
- **FDA Listed Materials**: All materials comply with FDA Title 21 CFR Sections 174.5, 177.1520, and 177.2600
- **NSF 61**: Certified to NSF/ANSI STD 61 for materials requirements only



PRODUCT DESCRIPTION

Melt Blown Series filter cartridges are engineered from 100% high-purity polypropylene resin to deliver reliable particle reduction across a wide range of general industrial and food contact applications. Advanced melt-blown technology creates a graded pore structure that maximizes dirt-holding capacity and filtration efficiency while maintaining consistent quality standards certified under ISO 9001.

Superior Design & Construction

The cartridges feature a proprietary graded pore structure with polypropylene end caps and industry-leading gasket/O-ring options to suit diverse chemical environments. These cartridges integrate seamlessly into existing filtration systems available as standard or with a molded core.

ABSOLUTE RATED RETENTION

1, 3, 5, 10, 20, 30, 50, 75µm

CONSTRUCTION METHOD

Thermal Bond

INSIDE DIAMETER

1.0"

OUTSIDE DIAMETER

2.5" with uncut ends and 2.63" with end-cap

RECOMMENDED DIFFERENTIAL PRESSURE

35 psid (2.4 bar)

MAXIMUM DIFFERENTIAL PRESSURE

150 psid @ 68°F (10.3 bar @ 20°C)
90 psid @ 150°F (6.2 bar @ 66°C)
35 psid @ 176°F (2.4 bar @ 80°C)
Recommended change-out pressure:
35 psid (2.4 bar)

MAXIMUM OPERATING TEMPERATURE

176°F (80°C)

FILTER MEDIA

Meltblown Polypropylene

CAGE/CAPS

Polypropylene

LENGTHS

5, 9.75, 10, 19.5, 20, 29.25, 30, 39, 40"

TOXICITY

Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact

CARTRIDGE SEALS

Buna-N | EPDM | Viton | Silicone |
Teflon Encapsulated Viton

SEALING

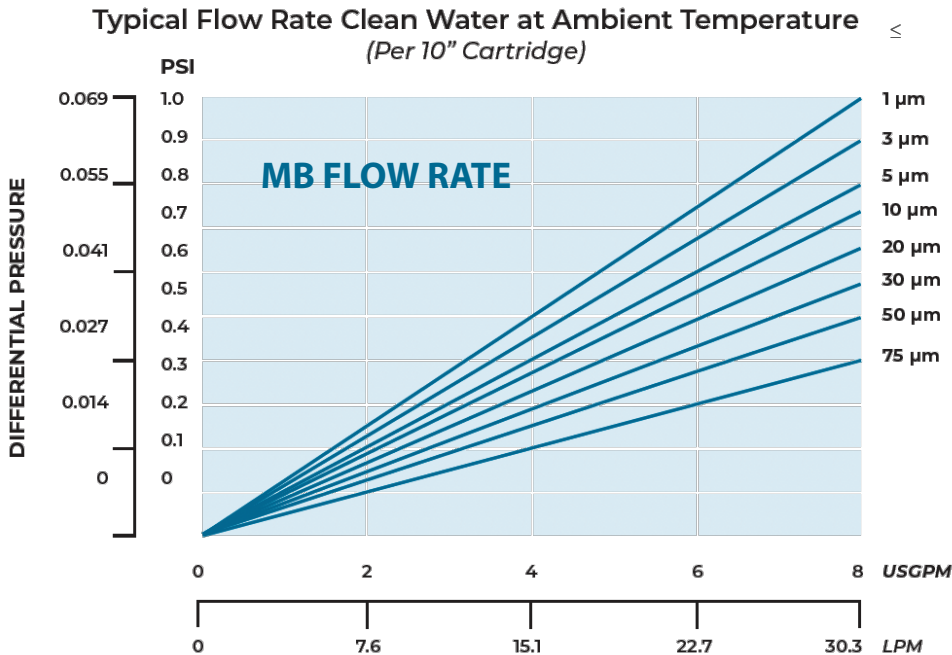
Thermal Bond

PACKAGING ECONOMY

Bulk packaging in case quantities to reduce material disposal

SPECIFICATIONS

VK1 1026



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

ORDER OPTIONS

CARTRIDGE	MICRON SIZE	LENGTH	ENDCAP CONFIGURATIONS	O-RING	CARTRIDGE CORE
MB Melt Blown	1 µm 3 µm 5 µm 10 µm 20 µm 30 µm 50 µm 75 µm	5" 9.75" 10" 19.5" 20" 29.25" 30" 39" 40"	C1 Double Open Ends C2 213/Recessed Cup C3 222/Flat C4 Single Open End/Flat C5 222/Recessed Cup C6 226/Flat C7 226/Fin C8 222/Fin N None (Cut Ends) * Inquire on alternative options	B Buna-N E EPDM N None S Silicone T Teflon encap. V Viton (O-Rings only) V = Viton	-- No Core C With Core

