

Melt-Blown Cartridges

THERMALLY BONDED CARTRIDGES

THE
STRAINRITE
Companies | World Class
Filtration

Melt Blown Series Filter Cartridges— Premium Polypropylene Performance

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

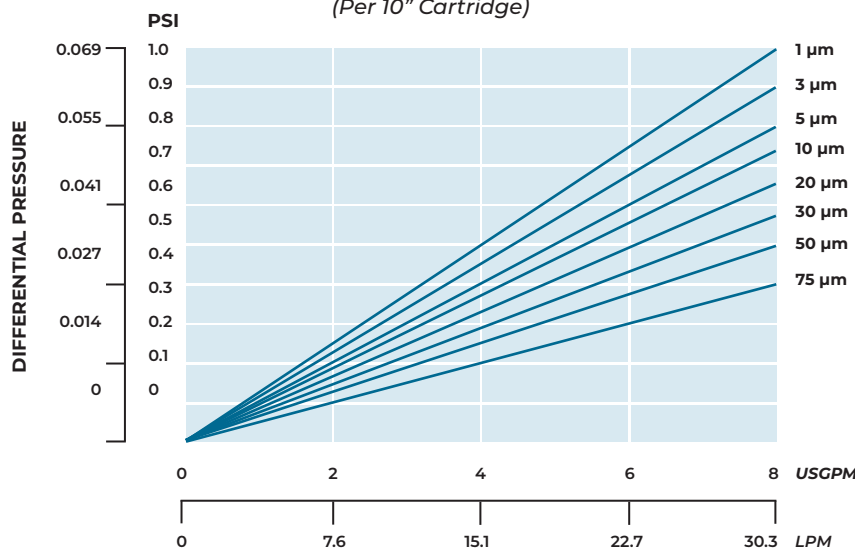
The cartridges feature a proprietary graded pore structure with polypropylene end caps and industry-leading gasket/O-ring options to suit diverse chemical environments. These cartridges integrate seamlessly into existing filtration systems available as standard or with a molded core.

- > Nominally-rated micron ratings: from 1 to 75 μm
- > Non-shedding cartridge, free of binders
- > Variety of thermally bonded end-caps
- > Graded pore construction for high dirt-holding capacity
- > Available with molded core for collapse prevention strength



MB FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature
(Per 10" Cartridge)



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

Regulatory and Quality
Commitments



V1_00_2026

Melt-Blown Cartridges

THERMALLY BONDED CARTRIDGES

- Manufactured in a Certified ISO 9001 Quality System
- USP Class VI: Meets USP Class VI Biological Test for Plastics (full statement)
- 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—Component
- European Directive for Direct Food Contact: EU Regulation No. 1935/2004 and EU Regulation 10/2011
- PWIS/LABS: Filter media tested to VDMA 24364:2018-05 standards



SPECIFICATIONS

MAXIMUM OPERATING 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	
RECOMMENDED DIFFERENTIAL PRESSURE	
35 psid (2.4 bar)	
TOXICITY	
Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact	
RETENTION RATING	
1, 3, 5, 10, 20, 30, 50, 75µm	
END CAPS	CARTRIDGE SEALS
Polypropylene	Buna-N EPDM Viton Silicone
CAGE / CORE	SEALING
Polypropylene	Thermal Bond
FILTER MEDIA	
Meltblown Polypropylene	
INSIDE DIAMETER	
1.0"	
OUTSIDE DIAMETER	
2.5" for uncut ends and 2.63" for end-cap	

Order Options

CARTRIDGE	RATINGS	LENGTHS	CORE	END CAP*	O-RING
MB Melt Blown	1 = 1 µm 3 = 3 µm 5 = 5 µm 10 = 10 µm 20 = 20 µm 50 = 50 µm 75 = 75 µm	5" 9.75" 10" 19.5" 20" 29.25" 30" 39" 40"	-- = No Core C = With Core	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)	B = Buna-N E = EPDM N = None S = Silicone T = Teflon encap. Viton (O-Rings only) V = Viton

* Inquire on alternative options



Order Example

MB → 1 → 10 → C → C1 → S → MB1-10CC1S

Capsule Rating Length Core End Cap O-Ring

VL_00_2026