



EMAIL: FILTRATION@JOHNBROOKS.CA



HDM Series Filter Cartridges

Melt Blown Filters

An economical, melt blown filter element that can be used in a wide range of applications. The HDM depth filter is constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids. The molded core prevents collapse even at elevated temperatures.

Product Specifications

Media: Polypropylene

End caps/Center Core: Polypropylene

Gaskets/O-Rings:

Buna-N, EPDM, Santoprene, Silicone, Teflon Encapsulated Viton (O-Rings only), Viton

Micron rating:

1, 3, 5, 10, 20, 30, 50, 75 µm

Dimensions

Nominal lengths:

9.75" 10" 20" 30" 40"
24.8 25.4 50.8 76.2 101.6 cm
(Other lengths available)

Outside diameter: 2.5" (6.35 cm), 2.63" (6.7 cm)

End capped

Inside diameter: 1.0" (2.54 cm)

Operating Parameters

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)

FEATURES & BENEFITS

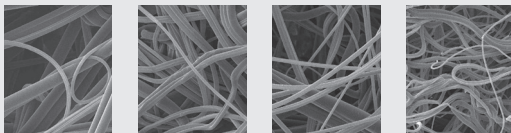
- Available in nominal ratings from 1 to 75 microns
- Molded core for excellent collapse strength
- Graded pore construction for long on-stream life
- Melt blown media resists dirt unloading as differential pressure increases
- Non-shedding
- High dirt holding capacity
- Economical depth filtration
- Thermal bonded endcaps optional
- Free of binders, adhesives and surfactants

CERTIFICATIONS

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.
- NSF 61: Certified to NSF/ANSI STD 61 for materials requirements only — Component
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

TYPICAL APPLICATIONS

- RO Prefilters
- Wastewater
- Chemicals
- Blowdown post filter
- Radwaste
- Aqueous solutions
- Inks



Outer pre-filter zone

Inner pre-filter zone

Final pre-filter zone

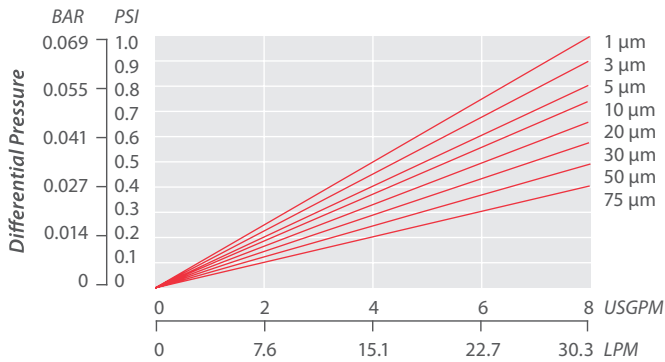
Final filtration zone

HDM NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)		Nominal Length (inches)		End Configuration	Gasket or O-Ring
HDM Series	1	20	-5	-29.25	P Double Open End (Hard Endcaps)	B Buna-N
	3	30	-9.75	-30	P2 226/Flat Single Open End	E EPDM
	5	50	-10	-39	P3 222/Flat Single Open End	N None
	10	75	-19.5	-40	P6 Self-Seal Spring on One End	S Silicone
					P7 226/Fin Single Open End	T Teflon encap. Viton (O-Rings only)
				P8 222/Fin Single Open End	V Viton	
				PX Extended Core		
				N None (Cut Ends)		
				DBG Direct Bond Santoprene Gaskets		
Example: HDM10-20NN						
HDM	10		-20		N	N

HDM 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



Certified to
NSF/ANSI Standard 61 for
materials requirements only.
COMPONENT



**SPRAYING
PUMPING
FILTERING
AND VALVES**

1-877-624-5757
www.johnbrooks.ca