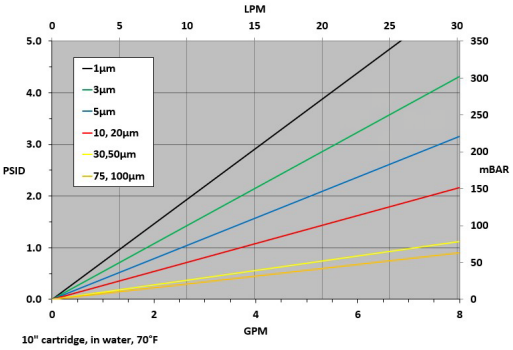
GCTB-Series High Performance Grade Meltblown Polypropylene

GCTB-Series High Performance Grade Meltblown Polypropylene Filter Cartridges:

- Precision process control of fiber diameter and layer density tunes the media to achieve targeted retention efficiency and ensure consistent performance.
- All polypropylene construction presents excellent compatibility with a wide range of chemicals.
- Resists contaminant unloading, even at elevated differential pressures.
- All end configurations available (glued or thermally-bonded).
- Easy cartridge incineration and disposal.
- Free of additives, wetting agents, binders and silicone.

Flow Rate vs Pressure Drop



Construction Materials

Filtration Media.....Polypropylene
End Caps.....Polypropylene
O-Rings/Gaskets.....Buna, EPDM, Polyfoam, Silicone, Viton®

Dimensions (Nominal)

Length.....9.75 to 40 inches (24.8 to 102 cm)
Outside Diameter.....2.5 inches (6.4 cm)
Inside Diameter.....1.06 inches (2.69 cm)

Performance Specifications

Micron Ratings:

1, 3, 5, 10, 20, 30, 50, 75, 100

Efficiencies:

High Performance Grade = 90%

Certified to NSF/ANSI/CAN 61

NSF Certification applies for use only with drinking water. Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified. Product options denoted with asterisk (*) are not included in the Certification.

Operating Conditions

Change Out ΔP (recommended.....35 PSID
Temperature (max).....140°F (60°C)
Differential Pressure (max).....50 PSID (3.4 bar) at 68°F (20°C)

Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.

Ordering Information

GCTB	Rating (µ)	A	Length	-	End Cap Style	O-Rings/Gaskets	-	Adders
High Performance Grade	1		9.75” (24.76cm)		Blank = None	Blank = None		Blank = Glued or None
	3		9.875” (25.08 cm)		2 = DOE Flat Gasket	B = Buna		CS = 316SS Compression Spring (TB ONLY)
	5		10” (25.4 cm)		3 = 222 w/Fin	E = EPDM		PC = Polypropylene Core
	10		19.5” (49.53 cm)		4 = 222 w/Flat Cap	P = Polyfoam (Gaskets) *		TB = Thermally-Bonded
	20		20” (50.8 cm)		5 = 222 w/Spring	S = Silicone		
	30		29.25” (74.29 cm)		6 = 226 w/Flat Cap	V = Viton® *		
	50		29.5” (74.93 cm)		7 = 226 w/Fin			
	75		30” (76.2 cm)		8 = 226 w/Spring			
	100		39” (99.1 cm)		9 = SOE w/Spring			
			40” (101.6 cm)		10 = DOE w/ PP Core Ext.			
					16 = 213 Internal O-Ring			
					20 = DOE PP Ext. w/Spring			

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required. For additional technical support, a product Performance Guide is available upon request.

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