

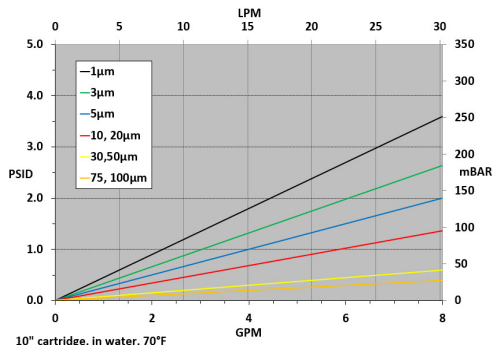
GCTB-Series High Performance Grade Meltblown Polypropylene

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, PTFE, Silicone, FKM, FEP Silicone, FEP FKM

Operating Conditions

Change Out ΔP (recommended).....2.4 bar
Temperature (max)60°C
Differential Pressure (max).....3.4 bar at 20°C

Dimensions (Nominal)

Length.....9.75 to 40 inches (24.8 to 102 cm)
Outside Diameter.....6.35 cm
Inside Diameter.....2.69 cm

Performance Specifications

Micron Ratings:
 1, 3, 5, 10, 20, 30, 50, 75, 100
Efficiencies:
 High Performance Grade = 90%

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 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 (Only P or TB)	B = Buna		TB = Thermally-Bonded
	5		10" (25.4 cm)			E = EPDM		PC = Polypropylene Core
	10		19.5" (49.53 cm)		3 = 222 w/Fin	P = Polyfoam		
	20		20" (50.8 cm)		4 = 222 w/Flat Cap	S = Silicone		
	30		29.25" (74.29 cm)		5 = 222 w/Spring ¹	V = FKM		
	50		29.5" (74.93 cm)		6 = 226 w/Flat Cap	Z = FEP Silicone		
	75		30" (76.2 cm)		7 = 226 w/Fin	T = FEP FKM (if O-ring and PTFE if DOE)		
	100		39" (99.1 cm)		8 = 226 w/Spring ¹			
			40" (101.6 cm)		9 = SOE w/ Spring ¹			
			*		10 = DOE w/Core Extender ¹			
					20 = SOE PP Ext. w/Spring			
					31 = SOE/GSeal ²			
					*			

¹ Glued only

² Thermally-bonded only

* Other options on request

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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.