

## 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.



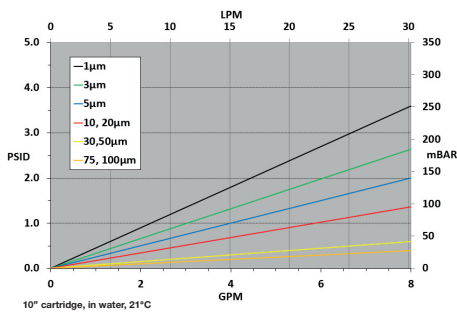
### Construction Materials

**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

### Flow Rate vs Pressure Drop



### Dimensions (Nominal)

**Length**.....9.75 to 40 inches  
**Outside Diameter**.....6,4 cm  
**Inside Diameter**.....2,69 cm

### 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.

### Performance Specifications

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

### Ordering Information

GCTB	Rating (μ)	A	Length	-	End Cap Style	O-Rings/Gaskets	-	Adders
High Performance Grade	1		9.75" (24,76 cm)		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)		3 = 222 w/Fin	E = EPDM		PC = Polypropylene Core
	10		19.5" (49,53 cm)		4 = 222 w/Flat Cap	P = Polyfoam		
	20		20" (60,8 cm)		5 = 222 w/Spring <sup>1</sup>	S = Silicone		
	30		29.25" (74,29 cm)		6 = 226 w/Flat Cap	V = FKM		
	50		29.5" (74,93 cm)		7 = 226 w/Fin	Z = FEP Silicone		
	75		30" (76,2 cm)		8 = 226 w/Spring <sup>1</sup>	T = FEP FKM		
	100		39" (99,1 cm)		9 = SOE w/ Spring <sup>1</sup>	(if O-ring and PTFE if DOE)		
			40" (101,6 cm)		10 = DOE w/Core Extender <sup>1</sup>			
			*		20 = SOE PP Ext. w/Spring			
					31 = SOE/GSeal <sup>2</sup>			
					*			

<sup>1</sup> Glued only  
<sup>2</sup> Thermally-bonded only  
 \* Other options on request

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.