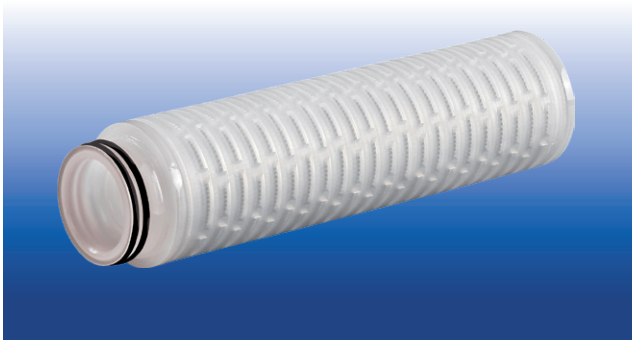
PTB Series – PTFE Pleated Filter Cartridges



PTB Series Filter Cartridges feature hydrophobic polytetrafluoroethylene (PTFE) membrane to provide excellent chemical compatibility with aggressive solvents, oxidizers, and corrosive fluids. 100% integrity tested for quality assurance.

Features

- Inherently hydrophobic PTFE membrane.
- Superior PTFE membrane grade offers highest degree of consistent performance.
- 100% integrity tested for correlation to absolute retention.
- Excellent chemical compatibility.
- Enhanced resistance to in-line steam sterilization and autoclaving.

Applications

- Chemically aggressive fluids.
- Solvents, strong acids & bases.
- Fermentation process air/gas filtration.
- Process air vents.
- Bulk gas.

Dimensions

OD	69mm (2.72") OD
Length	5", 10", 20", 30", 40"

Material of Constructions

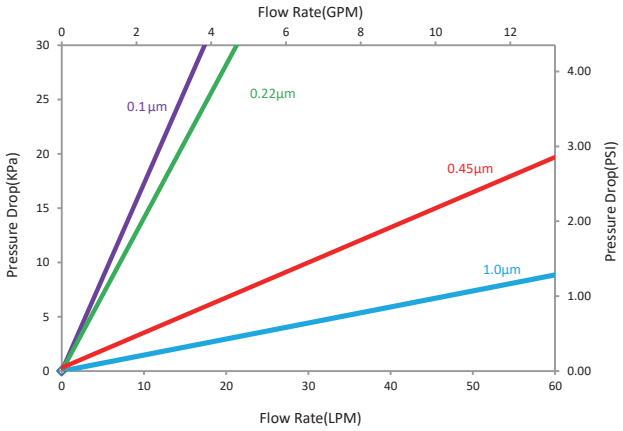
Media	Hydrophobic PTFE
Support Layers	Polypropylene
Cage/Core/End Caps	Polypropylene
Seal Material Options	Silicone, EPDM, FKM

Operating Limits

Max. Temperature	80° C (176° F)
Max. dP (forward)	4 bar (60 psi) @ 20°C (68°F)
	2.4 bar (35 psi) @ 80°C (176°F)
Sterilization	121°C (250°F) for 60 minutes by autoclave
	135°C (275°F) for 30 minutes by SIP

PTB-Series Flow Rate vs Pressure Drop

Per 10" cartridge length. With water at 20° C.



Quality Assurance

- Individually tested for integrity.
- Filter cartridges are manufactured in a clean room environment using Good Manufacturing Practices under an ISO9001:2015 registered Quality Management System.
- Cartridges are individually serialized and have full materials traceability.

Ordering Information

PTB — 0010 — F — 5 — S — P

Removal Rating	End Cap Type	Length	Seal Material	Core
0010 = 0.1μm	G = 226 (PSU Insert) / Fin	5 = 5"	S = Silicone	P = PP
0022 = 0.22μm	I = 226 (PSU Insert) / Flat	10 = 10"	E = EPDM	S = SUS
0045 = 0.45μm	J = 222 (SS Insert) / Flat	20 = 20"	V = FKM	
0100 = 1μm	K = 222 (SS Insert) / Fin	30 = 30"		
	R = 226 (SS Insert) / Fin	40 = 40"		
	V = 226 (SS Insert) / Flat			

Darlly® TOTAL FILTRATION SOLUTIONS

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