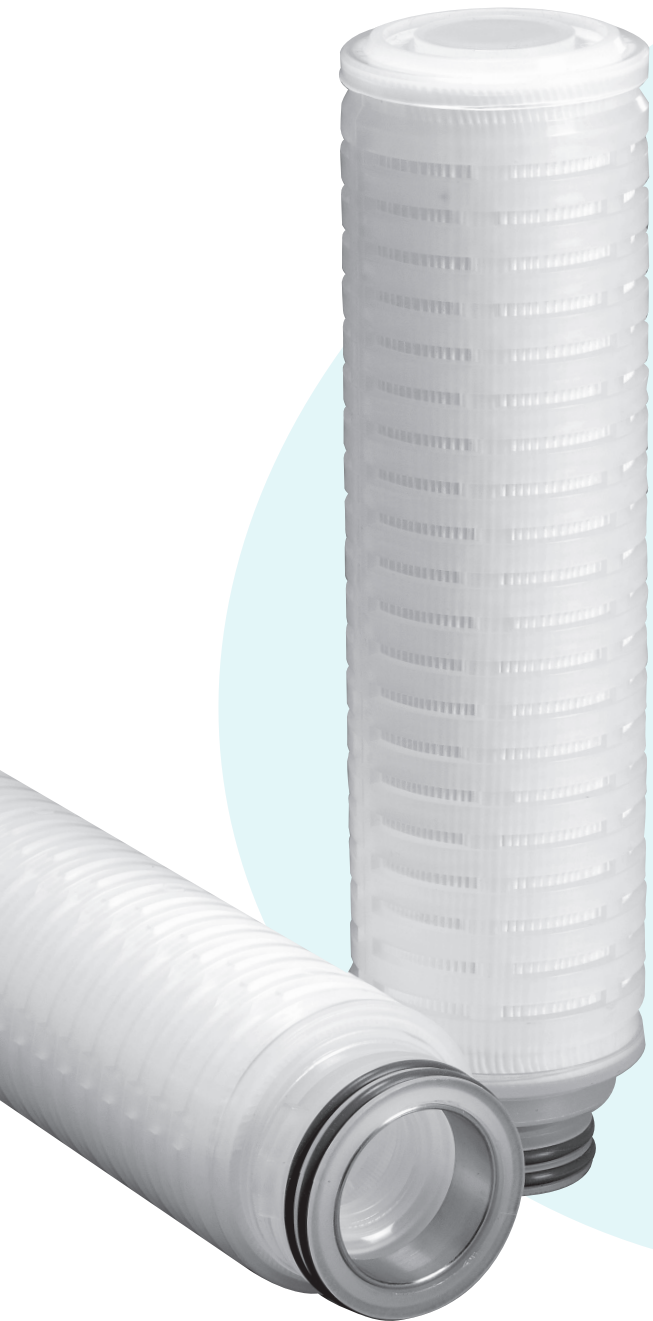


# Pur-PLEAT G

## All Polypropylene Pleated Depth Cartridges

The Pur-PLEAT G, all-Polypropylene, nominally rated filter cartridge is designed to reduce overall filtration costs when compared to spunbonded, stringwound, and nominally-rated pleated cartridges. The Pur-PLEAT G media is designed and manufactured on state-of-the-art meltblowing equipment to Strainrite's strict specifications for high solids loading requirements for a variety of prefiltration applications.

Pur-PLEAT G is constructed using the latest high-speed thermal bonding equipment in a clean environment to ensure superior product cleanliness and thermal and chemical compatibility. All of these depth cartridges are manufactured using 100% virgin polypropylene materials that comply with FDA Title 21 of The Code of Federal Regulations for food and beverage contact.



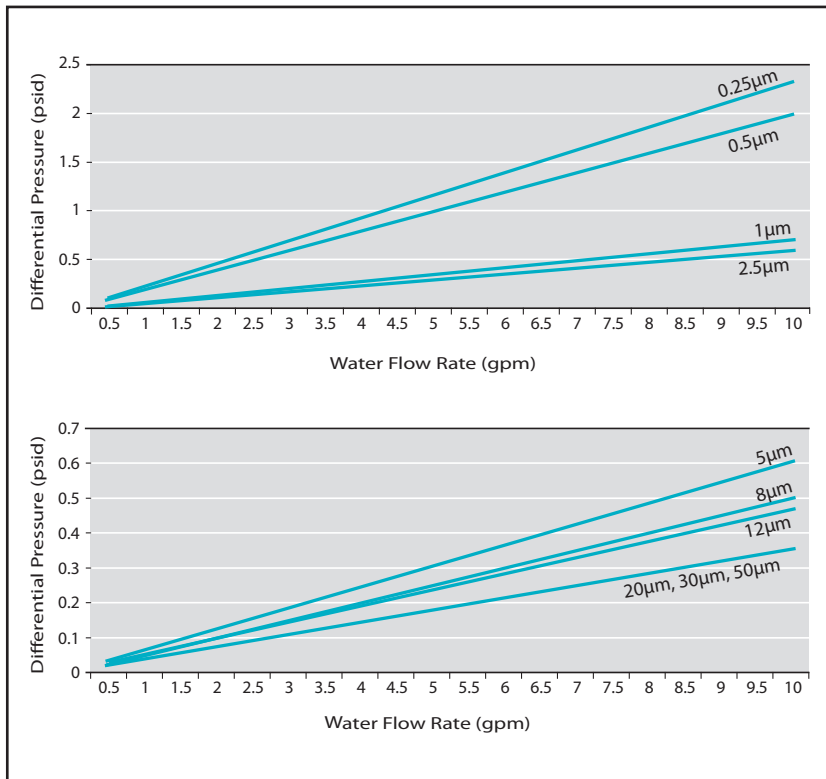
### Features and Benefits

- MAXX-imum pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per cartridge
- FDA Title 21 compliant for food and beverage contact
- Lower pressure drops, which yield higher flow rates and reduced processing time
- 100% Polypropylene construction offers a wide range of chemical compatibility
- Thermally bonded construction ensures a cleaner filtrate

### Typical Applications

Wine clarification  
Water filtration  
Solvent filtration  
RO/DI prefiltration  
Liquefied sugar  
Waste Water

## PPG Pressure Drop vs. Flow Rate



## Product Specifications

### Materials of Construction

<b>Filter Media:</b>	Polypropylene Microfiber
<b>Support Material:</b>	Polypropylene
<b>Hardware:</b>	Polypropylene
<b>Cage/Core:</b>	Polypropylene
<b>Sealing:</b>	Thermal Bond
<b>Seals:</b>	Buna N, Fluorocarbon, EPDM FEP Encapsulated Fluorocarbon, PTFE, Silicone

### Dimensions

<b>Outside Dia:</b>	2.55" (6.48cm)
<b>Lengths:</b>	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)

### Performance Specification

<b>Retention Rating:</b>	0.25, 0.5, 1.0, 2.5, 5.0, 8.0, 12.0, 20.0, 30.0, 50.0
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### Maximum Forward Differential Pressure

75 psid (5.1 bar)@ 68°F (20°C)  
40 psid (2.8 bar)@ 150°F (65°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty Polypropylene Hardware

### Toxicity

All components meet all relevant USP XXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520

### Packaging Economy

Bulk packaging in case quantities to reduce material disposal:

10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

## Product Efficiency

Pur-Pleat G	99% Efficiency
PPG 0.25	0.25µm
PPG 0.50	0.5µm
PPG 1.0	1.0µm
PPG 2.5	2.5µm
PPG 5.0	5.0µm
PPG 8.0	8.0µm
PPG 12.0	12.0µm
PPG 20.0	20.0µm
PPG 30.0	30.0µm
PPG 50.0	50.0µm

Cartridge Series ex. PPG	Micron Rating 1.0	Length -10	End Cap Configurations C7	Gasket/O-ring Materials S	Options
Pur-Pleat G	0.25	10	C1-DOE flat open ends	S - Silicone (standard O-rings)	I - 316 Stainless
	0.5	20	C2-SOE recessed cup, internal 213 O-ring	B - Buna N (standard gaskets)	Steel Insert
	1.0	30	C3-SOE flat closed ends, external 222 O-ring	V - Fluorocarbon	DIF - DI Flush
	2.5	40	C4-SOE flat closed end	E - EPDM	
	5.0		C5-SOE recessed cup, external 222 O-ring	T - PTFE	
	8.0		C6-SOE flat closed end, external 226 O-ring	TV - FEP Encapsulated Fluorocarbon	
	12.0		C7-SOE fin end, external 226 O-ring		
	20.0		C8-SOE fin end, external 222 O-ring		
	30.0				
	50.0				