

# Nominally rated Polypropylene Depth

Pur-PLEAT G & Poly-MAXX G

▪ Wine clarification

▪ Water filtration

▪ Solvent filtration

▪ Liquefied sugar

▪ Waste Water

▪ DI/RO Prefiltration

Strainrite's **Nominally Rated Polypropylene Depth** filter cartridge is designed to reduce overall filtration costs when compared to spunbonded, stringwound, and nominally-rated pleated cartridges. This polypropylene 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.

These filters are 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 & Benefits

### Pur-Pleat G & Poly-MAXX G

- Maximized pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs
- 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



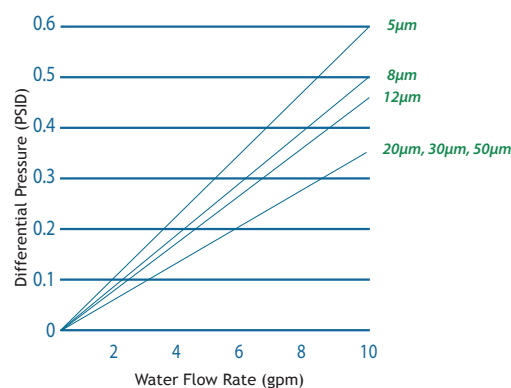
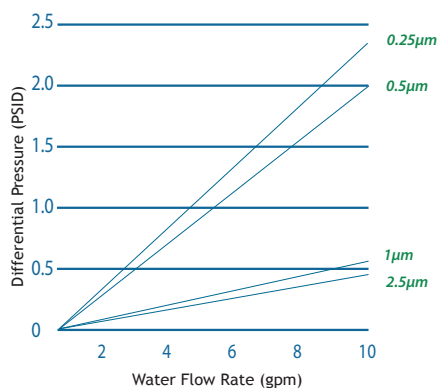
### Pur-Pleat G Efficiency

Cartridge	Beta 5000
PPG 0.25	0.25µm
PPG 0.50	0.5µm
PPG 1	1.0µm
PPG 2.5	2.5µm
PPG 5	5.0µm
PPG 8	8.0µm
PPG 12	12.0µm
PPG 20	20.0µm
PPG 30	30.0µm
PPG 50	50.0µm

### Poly-MAXX G Efficiency

Cartridge	Beta 5000
PMXG 0.25	0.25µm
PMXG 0.50	0.50µm
PMXG 1	1.0µm
PMXG 2.5	2.5µm
PMXG 5	5.0µm
PMXG 8	8.0µm
PMXG 12	12.0µm
PMXG 20	20.0µm
PMXG 30	30.0µm
PMXG 50	50.0µm

## Performance Characteristics



## Specifications

### Retention Rating

0.25, 0.50, 1.0, 2.5, 5.0, 8.0, 12.0, 20.0, 30.0, 50.0

### Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)  
40 psid (2.8 bar) @ 180°F (82°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty

### 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:

5 inch	48 per carton
10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

## Materials of Construction

### Filter Media

Polypropylene Microfiber

### End Caps

Polypropylene

### Pleat Support Material

Polypropylene

### Cage/Core

Polypropylene

### Seals

Buna N  
Fluorocarbon  
EPDM  
Silicone  
PTFE  
FEP Encapsulated Fluorocarbon  
FEP Encapsulated Silicone

### Sealing

Thermal Bond

## Dimensions

### Pur-Pleat G

#### Outside Diameter

2.55" (6.48cm)

#### Lengths

5" (12.7cm)  
10" (25.4cm)  
20" (50.8cm)  
30" (76.2cm)  
40" (102cm)

### Poly-MAXX G

#### Outside Diameter

2.7" (6.87cm)

#### Lengths

5" (12.7cm)  
10" (25.4cm)  
20" (50.8cm)  
30" (76.2cm)  
40" (102cm)

## Ordering Information

Pur-Pleat G

PPG

PMXG

Poly-MAXX G

Micron Ratings	Code   Lengths	Code   End Cap Configuration	Code   Gasket/O-ring Material	Code   Cartridge Guide	Code   Options
0.25	5   5"	C1 Double Open Ends	S Silicone	- General	I 316 SS Insert
0.5	10   10"	C2 213/Recessed Cup	B Buna N	1 FDA Grade	DIF DI Flush
1	20   20"	C3 Flat/222	V Fluorocarbon	2 Pharmaceutical	
2.5	30   30"	C4 Single Open End/Flat	E EPDM		
5	40   40"	C5 Recessed Cup/222	T Teflon/PTFE		
8		C6 Flat/226	TV Encapsulated Fluoro.		
12		C7 Fin/226	TS Encapsulated Silicone		
20		C8 Fin/222			
30					
50					