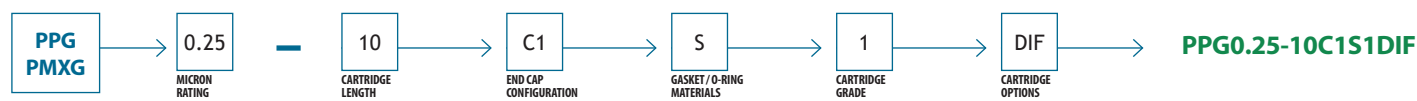


# Pur-PLEAT G & Poly-MAXX G

Nominally Rated Polypropylene Depth

- ▶ WATER FILTRATION
- ▶ LIQUEFIED SUGAR
- ▶ WASTE WATER
- ▶ SOLVENT FILTRATION
- ▶ DI/RO PREFILTRATION
- ▶ WINE CLARIFICATION

### ORDER GUIDE



Strainrite's **Nominally Rated Polypropylene Depth Cartridges** are 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.

The Poly-MAXX G now offers a Special Pleat option in micron ratings of 0.25, 0.5, 1. This option provides expected surface area improvements of as much as 25%. This optimized pleat geometry option was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.



- ▶ 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

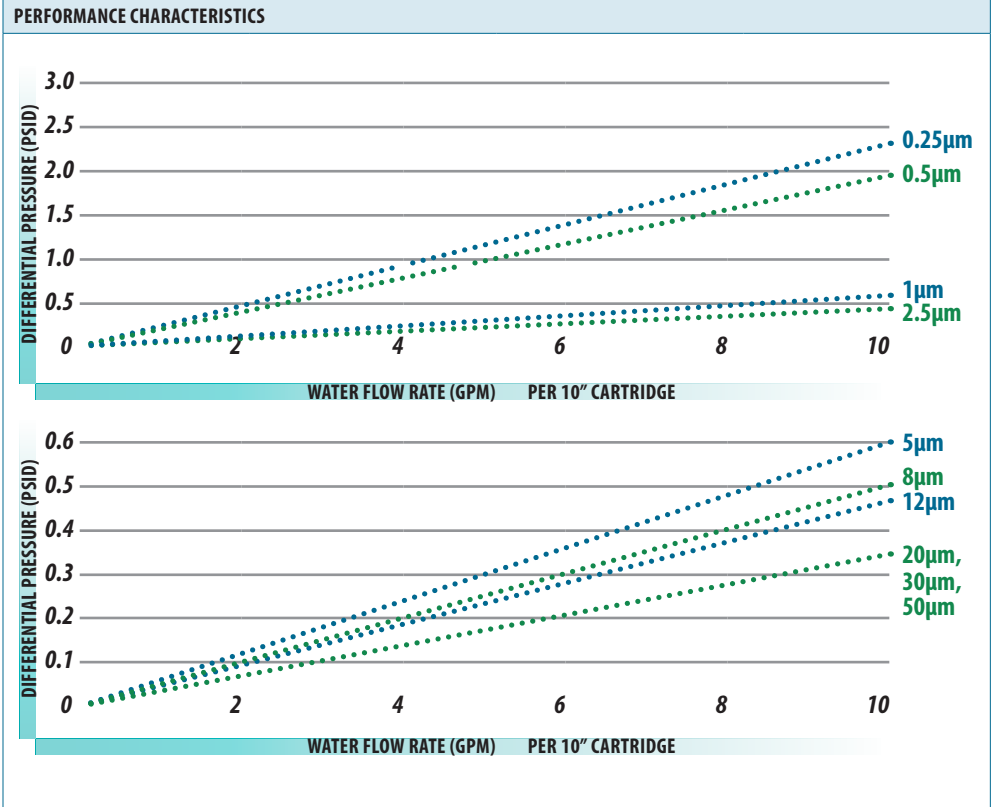
#### SPECIAL PLEAT OPTION:

- ▶ OPTIMIZED PLEAT GEOMETRY
- ▶ EXPECTED SURFACE AREA IMPROVEMENTS OF AS MUCH AS 25%

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the Pur-Pleat G and Poly-MAXX G, the following vessel types are most commonly used:  
 SRC—PAGE 128      SRVC—PAGE 130  
 As always, discuss your options with your local sales representative to find the best fit for your application.

<b>RETENTION RATING</b>			
0.25, 0.5, 1, 2.5, 5, 8, 12, 20, 30, 50			
<b>MAXIMUM DIFFERENTIAL PRESSURE</b>		<b>MAXIMUM OPERATING TEMPERATURE</b>	
Forward: 75 psid (5.1 bar) @ 75°F (24°C) 40 psid (2.8 bar) @ 180°F (82°C)		180°F (82°C) Continuous Duty	
<b>TOXICITY</b>			
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			
<b>PACKAGING ECONOMY</b>			
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			
<b>FILTER MEDIA</b>	<b>END CAPS</b>	<b>PLEAT SUPPORT MATERIAL</b>	<b>CAGE/CORE</b>
Polypropylene Microfiber	Polypropylene	Polypropylene	Polypropylene
<b>SEALS</b>			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Fluorocarbon   FEP Encapsulated Silicone   PTFE Foam   PTFE Hard			
<b>CONSTRUCTION METHOD</b>			
Thermal Bond			
<b>OUTSIDE DIAMETER</b>			
PPG: 2.55" (6.48cm)   PMXG: 2.7" (6.87cm)			
<b>LENGTHS</b>			
5 inch (12.7 cm)   10 inch (25.4 cm)   20 inch (50.8 cm)   30 inch (76.2 cm)   40 inch (102 cm)			
<b>EFFICIENCY</b>			
PPG0.25/PMXG0.25 — BETA5000 @ 0.25µm PPG0.5/PMXG0.5 — BETA5000 @ 0.5µm PPG1/PMXG1 — BETA5000 @ 1µm PPG2.5/PMXG2.5 — BETA5000 @ 2.5µm PPG5/PMXG5 — BETA5000 @ 5µm		PPG8.0/PMXG8 — BETA5000 @ 8µm PPG12/PMXG12 — BETA5000 @ 12µm PPG20/PMXG20 — BETA5000 @ 20µm PPG30/PMXG30 — BETA5000 @ 30µm PPG50/PMXG50 — BETA5000 @ 50µm	



### ORDER OPTIONS

CARTRIDGE	
PPG PMXG	Pur-Pleat G (2.55") Poly-MAXX G (2.7")
MICRON RATINGS	
0.25, 0.5, 1, 2.5, 5, 8, 12, 20, 30, 50	
CARTRIDGE LENGTH	
5, 10, 20, 30, 40	
END CAP CONFIGURATIONS	
C1	Double Open Ends
C2	213/Recessed Cup
C3	Flat/222
C4	Single Open End/Flat
C5	Recessed Cup/222
C6	Flat/226
C7	Fin/226
C8	Fin/222
GASKET/O-RING MATERIAL	
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
TF	PTFE Foam
TH	PTFE Hard
TV	Encapsulated Fluorocarbon
TS	Encapsulated Silicone
CARTRIDGE GRADE	
-	General
1	FDA Grade
2	Pharmaceutical
CARTRIDGE OPTIONS	
I	316 SS Insert
DIF	DI Flush
SPECIAL PLEAT OPTION	
SP	Special Pleat (PMXG 0.25, 0.5, 1 only)