Pur-PLEAT G & Poly-MAXX G

Nominally Rated Polypropylene Depth

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **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



PRODUCT DESCRIPTION

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 beveragecontact.

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.

ASTM F795-88 RETENTION RATING
0.25, 0.5, 1, 2.5, 5, 8, 12, 20, 30, 50 µm

OUTSIDE DIAMETER
PPG: 2.55" (6.48cm) | PMXG: 2.7" (6.87cm)

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

PRODUCTION PROCESS
Thermal Bond

MAXIMUM OPERATING TEMPERATURE
180°F (82°C) Continuous Duty Polypropylene

PLEAT SUPPORT MATERIAL
Polypropylene

FILTER MEDIA
Polypropylene Microfiber

CAGE/CORE/ENDCAPS
Polypropylene

TOXICITY
Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

SEALS
Buna N | Fluorocarbon | EPDM | Silicone | FEP Encapsulated Fluorocarbon | FEP Encapsulated Silicone | PTFE Foam | PTFE Hard

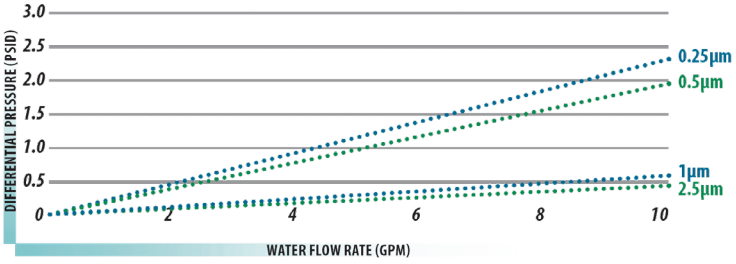
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

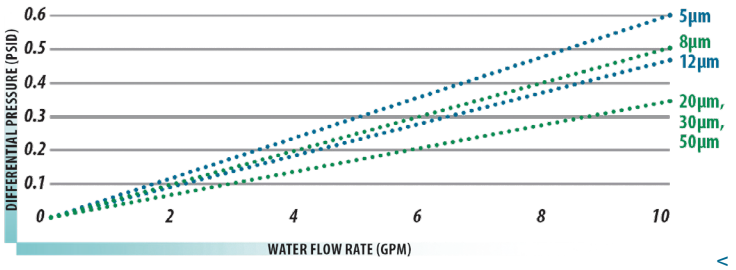
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	END CAP	O-RING	GRADE	OPTIONS
PPG I Pur-Pleat G (2.55") **PMXG** I Poly-MAXX G (2.7")	0.25 µm 0.5 µm 1 µm 2.5 µm 5 µm 8 µm 12 µm 20 µm 30 µm	5" 10" 20" 30" 40"	**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	**S** = Silicone **B** = Buna N **V** = Fluorocarbon **E** = EPDM **TF** = PTFE Foam **TH** = PTFE Hard **TV** = Encapsulated Fluorocarbon **TS** = Encapsulated Silicone	**-** = General **1** = FDA **2** = Pharmaceutical	**I** = 316 SS Insert **DIF** = DI Flush **PLEAT OPTION** **SP** = Special Pleat (PMXG 0.25, 0.5, 1 only)

PPG / PMXG → 0.25 (MICRON RATING) – 10 (CARTRIDGE LENGTH) → C1 (END CAP CONFIGURATION) → S (GASKET / O-RING MATERIALS) → 1 (CARTRIDGE GRADE) → DIF (CARTRIDGE OPTIONS) → **PPG0.25-10C1S1DIF**