

Pur-PLEAT G & Poly-MAXX G

Nominally Rated Polypropylene Depth



PRODUCT HIGHLIGHTS

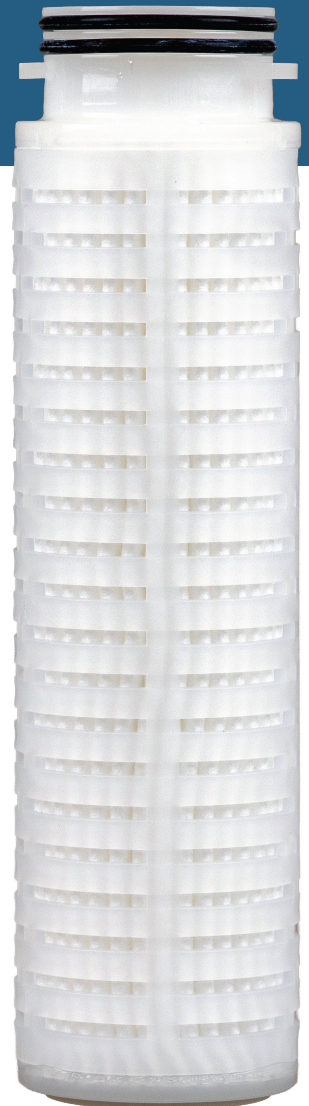
- **Maximized pleat design** for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs
- **FDA Title 21 compliant** for food and beverage contact
- **Lower pressure drops**, which yield higher flow rates and reduced processing time
- **100% polypropylene construction** 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 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.



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

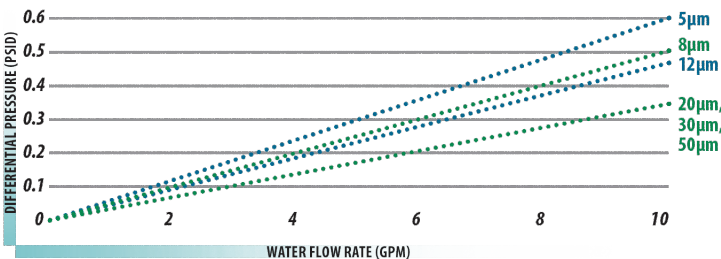
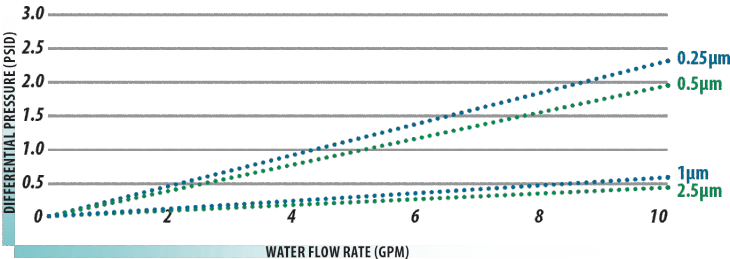
LENGTHS

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

v 1026

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	MICRON RATING	LENGTH	END CAP	O-RING	GRADE	OPTIONS
PPG Pur-Pleat G (2.55") PMXG 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)

