

# HSLP

## Continuous Pleat High-Solids-Loading Polypropylene Depth

- ▶ COSMETICS
- ▶ HIGH PURITY WATER
- ▶ PHOTOCHEMICAL
- ▶ PHARMACEUTICAL

- ▶ FOOD AND BEVERAGE
- ▶ ELECTROPLATING
- ▶ DI/RO PREFILTRATION
- ▶ FERMENTATION PROCESSES

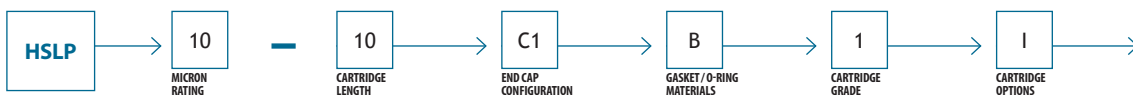
Strainrite's [Continuous Pleat High-Solids-Loading Polypropylene \(HSLP\) Depth Filter Cartridges](#) is a unique polypropylene depth filter that utilizes long strand small and large diameter fibers to provide a high solids loading, absolute-rated, pleated depth filter. This binder-free depth media is excellent for removing gels and offers more than twice the surface area compared with industry standard non-pleated depth filters. The increased surface area provides higher flow rates at reduced pressure, resulting in increased filter life.

Our 100% polypropylene construction provides an excellent range of chemical compatibility for your most demanding applications. All polypropylene construction materials are CFR 21 listed for direct food contact, which makes this filter ideal for a broad range of applications.

- ▶ **ABSOLUTE-RATED MEDIA PROVIDES RELIABLE, CONSISTENT AND REPEATABLE FILTRATION**
- ▶ **LOW PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME**
- ▶ **MAXIMIZED PLEAT DESIGN FOR GREATER SURFACE AREA, ENSURING LONGER SERVICE LIFE, FEWER CHANGE OUTS AND REDUCED OPERATING COSTS PER CARTRIDGE**
- ▶ **100% POLYPROPYLENE, FDA COMPLIANT WITH CFR 21**
- ▶ **THERMALLY BONDED CONSTRUCTION, ELIMINATING PARTICLE BYPASS**



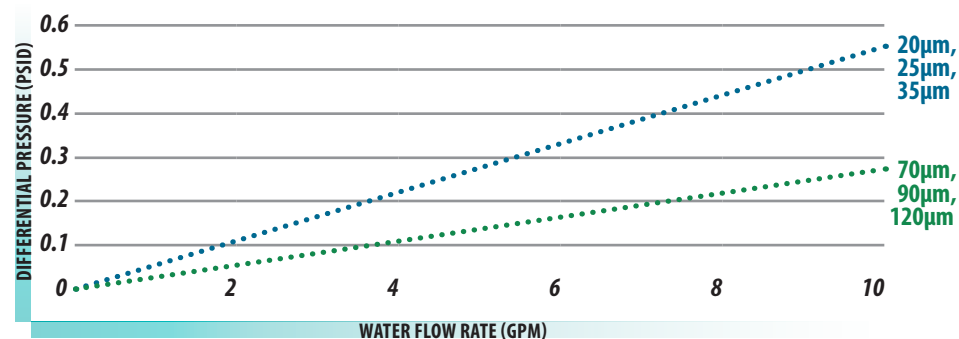
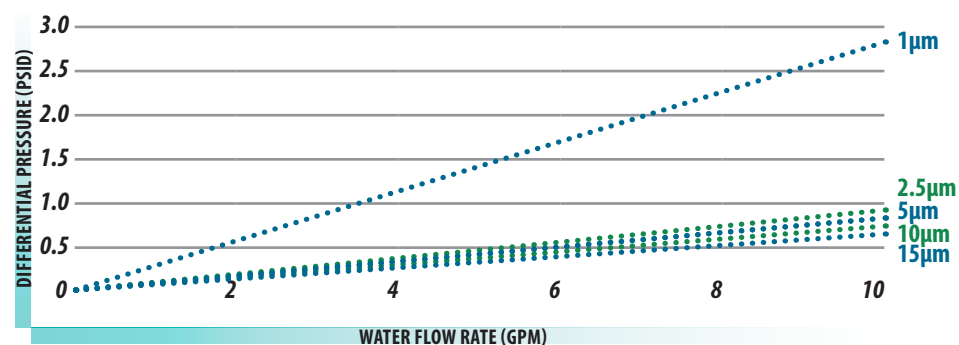
## ORDER GUIDE



HSLP10-10C1B1

RETENTION RATING			
1, 2.5, 5, 10, 15, 20, 25, 35, 70, 90, 120			
MAXIMUM DIFFERENTIAL PRESSURE		MAXIMUM OPERATING TEMPERATURE	
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	
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			
Single packaging available. 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			
FILTER MEDIA	END CAPS	PLEAT SUPPORT MATERIAL	CAGE/CORE
Polypropylene Microfiber Composite	Polypropylene	Polypropylene	Polypropylene
SEALS			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Fluorocarbon   FEP Encapsulated Silicone   PTFE Foam   PTFE Hard			
CONSTRUCTION METHOD			
Thermal Bond			
OUTSIDE DIAMETER			
EXTRUDED CAGE: 2.55" (6.48cm)   MOLDED CAGE: 2.68" (6.81cm)			
LENGTHS			
10 inch (25.4 cm)   20 inch (50.8 cm)   30 inch (76.2 cm)   40 inch (102 cm)			
EFFICIENCY			
HSLP1 — 99.98% @ 1µm HSLP2.5 — 99.98% @ 2.5µm HSLP5 — 99.98% @ 5µm HSLP10 — 99.98% @ 10µm	HSLP15 — 99.98% @ 15µm HSLP20 — 99.98% @ 20µm HSLP25 — 99.98% @ 25µm	HSLP35 — 99.98% @ 35µm HSLP70 — 99.98% @ 70µm HSLP90 — 99.98% @ 90µm HSLP120 — 99.98% @ 120µm	

## PERFORMANCE CHARACTERISTICS



## ORDER OPTIONS

CARTRIDGE	
HSLP	
MICRON RATINGS	
1, 2.5, 5, 10, 15, 20, 25, 35, 70, 90, 120	
CARTRIDGE LENGTH	
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	
- 1	General FDA Grade
CARTRIDGE OPTIONS	
I MC	316 SS Insert Molded Cage