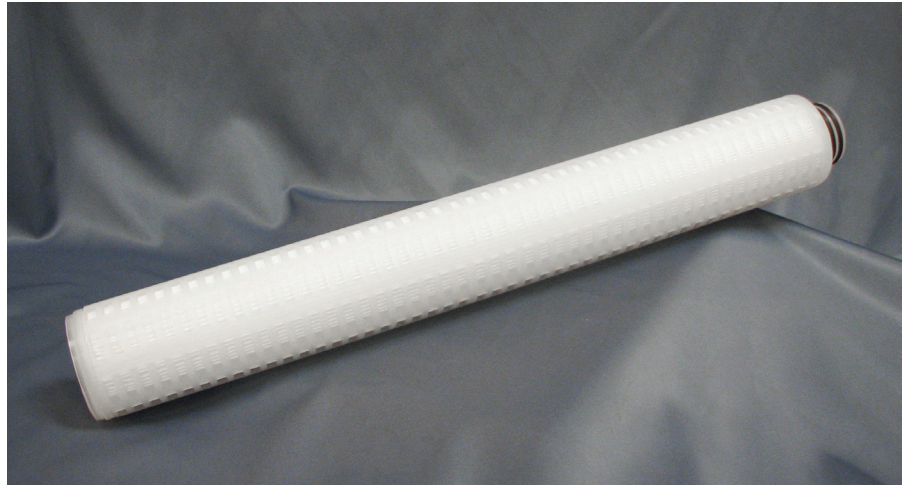


Continuous Pleat High-Solids Loading Polypropylene Depth

HSLP

- Cosmetics
- Fermentation processes
- High purity water
- Photochemical
- Electroplating
- Food and Beverage
- Pharmaceutical
- DI/RO Prefiltration

Strainrite continues its tradition of state-of-the-art advanced filtration innovation with the [Continuous Pleat High-Solids Loading Polypropylene \(HSLP\) Depth Cartridge](#), 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.

Features & Benefits

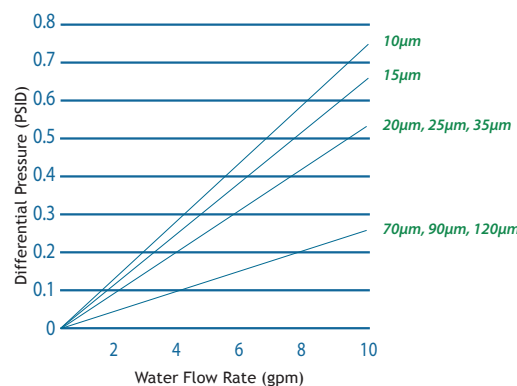
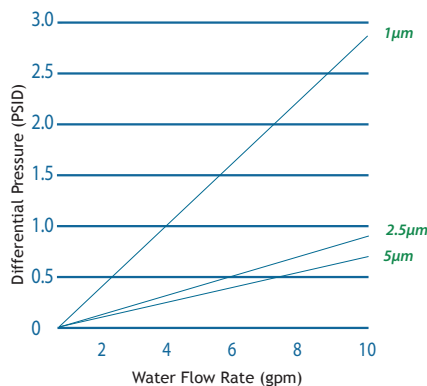
HSLP

- 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

HSLP Efficiency

Cartridge	99.98% Efficiency
HSLP 1.0	1µm
HSLP 2.5	2.5µm
HSLP 5	5µm
HSLP 10	10µm
HSLP 15	15µm
HSLP 20	20µm
HSLP 25	25µm
HSLP 35	35µm
HSLP 70	70µm
HSLP 90	90µm
HSLP 120	120µm

Performance Characteristics



Specifications

Retention Rating

1, 2.5, 5, 10, 15, 20, 25, 35, 70, 90, 120

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:

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 Composite

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

HSLP

Outside Diameter:

Extruded Cage

2.55" (6.48cm)

Outside Diameter:

Molded Cage

2.68" (6.81cm)

Lengths

10" (25.4cm)

20" (50.8cm)

30" (76.2cm)

40" (102cm)

Ordering Information

