

CPP & CPW Pleat-rite

Continuous Polypropylene Pleated Cartridges

Strainrite's CPP and CPW all-Polypropylene filter cartridges optimize throughput while achieving consistent and repeatable effluent quality. Our filter media is constructed on the latest continuous Micro-fiber blowing equipment that precisely control fiber diameter and integrity across the entire web. Utilizing state-of-the-art on-line monitoring equipment, we are able to deliver the industry's most uniform and consistent media ensuring unparalleled product consistency.

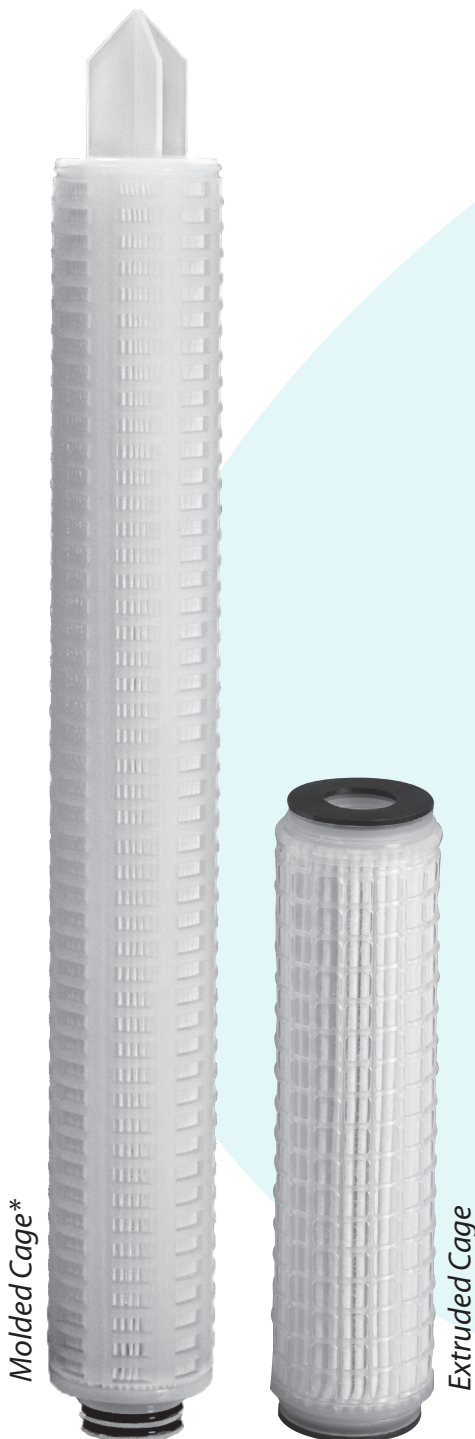
The CPP and CPW filters are manufactured in continuous lengths without binders or resins resulting in an extremely clean non-fiber releasing filter. All construction materials comply with FDA Title 21 of The Code of Federal Regulations for food and beverage contact.

Features and Benefits

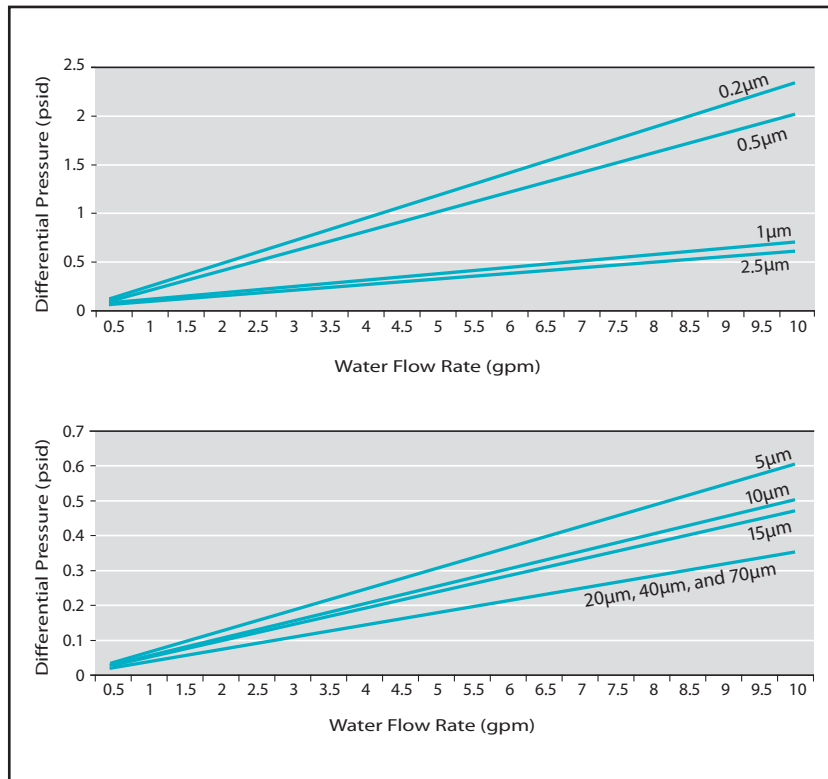
- CPP elements have over 6 ft² of surface area per 10" equivalent
- CPW elements have 4.5 ft² of surface area per 10" equivalent
- High efficiency media provides reliable, consistent and repeatable filtration results
- High surface area pleat design for greater surface area ensures longer service life, fewer change outs and reduced operating costs per cartridge
- FDA Title 21 compliant for food and beverage contact
- 100% Polypropylene construction offers a wide range of chemical compatibility
- Thermally bonded construction to ensure a cleaner filtrate

Typical Applications

Bleach
General Chemical
Water filtration
Solvent filtration
RO/DI prefiltration
Liquefied sugar
Waste Water



CPP & CPW Pressure Drop vs. Flow Rate



Product Efficiency

Continuous Poly-Pleat	99% Efficiency
CPP/CPW 0.2	0.2µm
CPP/CPW 0.5	0.5µm
CPP/CPW 1.0	1.0µm
CPP/CPW 2.5	2.5µm
CPP/CPW 5.0	5.0µm
CPP/CPW 10.0	10.0µm
CPP/CPW 15.0	15.0µm
CPP/CPW 20.0	20.0µm
CPP/CPW 40.0	40.0µm
CPP/CPW 70.0	70.0µm

Product Specifications

Materials of Construction

Filter Media:	Polypropylene Microfiber
Support Material:	Polypropylene
Hardware:	Polypropylene
Cage/Core:	Polypropylene
Sealing:	Thermal Bond
Seals:	Buna N, Fluorocarbon, EPDM FEP Encapsulated Fluorocarbon, PTFE, Silicone

Dimensions

Outside Diameter

Extruded Cage:	2.55" (6.48cm)
*Molded Cage:	2.68" (6.81cm)

Lengths:	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)
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Performance Specification

Retention Rating:	0.2, 0.5, 1.0, 2.5, 5.0, 10.0, 15.0, 20.0, 40.0, 70.0
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Maximum Forward Differential Pressure

75 psid (5.1 bar) @ 68°F (20°C)
40 psid (2.8 bar) @ 150°F (65°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

Cartridge Series ex. CPP	Micron Rating 0.5	Length -10	End Cap Configurations C7	Gasket/O-ring Materials S	Options
Continuous	0.2	10	C1-DOE flat open ends	S - Silicone (standard O-rings)	I - 316 Stainless
Pur-Pleat	0.5	20	C2-SOE recessed cup, internal 213 O-ring	B - Buna N (standard gaskets)	Steel Insert
CPP	1.0	30	C3-SOE flat closed ends, external 222 O-ring	V - Fluorocarbon	MC- Molded Cage
CPW	2.5	40	C4-SOE flat closed end	E - EPDM	
	5.0		C5-SOE recessed cup, external 222 O-ring	T - PTFE	
	10.0		C6-SOE flat closed end, external 226 O-ring	TV - FEP Encapsulated Fluorocarbon	
	15.0		C7-SOE fin end, external 226 O-ring		
	20.0		C8-SOE fin end, external 222 O-ring		
	40.0				
	70.0				