

Model CP Series – Cross Pleated High Flow Cartridge Filters



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An advanced design that uses SMS (spunbond/melt-blown/spunbond) composite media cross pleated to form a 40 times larger surface areas than traditional cartridges. The FDA compliant polypropylene micro fiber media provides high particle removal efficiency and broad chemical compatibility.

Features

- ◇ High dirt loading capacity for long service time and low cost filtration
- ◇ Easy filter change out to reduce maintenance time
- ◇ High volume throughput for high efficiency filtration
- ◇ Extremely low disposal cost less than 1/10 of traditional cartridges
- ◇ Broad chemical compatibility suitable for most applications
- ◇ Initial filtration efficiency 99%

Specifications

Product Type		CPH / CPU	
Micron Rating (µm)		1, 2, 5, 10, 25, 40, 75	
Dimensions	I.D.	2"	3"
	O.D.	6.5"	
	Length	39"	40" / 60"
Materials	Media	100% SMS filter media	
	Core	Polypropylene	
	End Cap	Polypropylene	
	O-Ring	EPDM / Viton / Silicone / PFA encap. Viton	
Maximum Operating Temp (°F)		176	
Maximum ΔP (PSI) at 80 °F		50	
Maximum Flow Rate, Water (GPM)		80	350 / 500

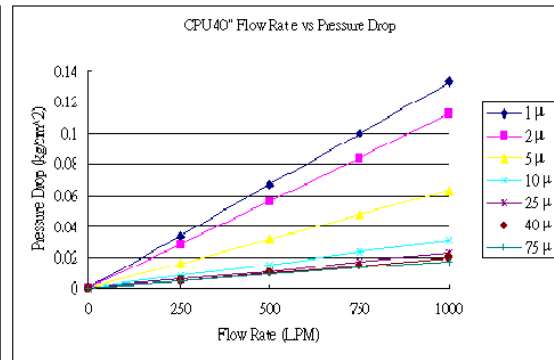
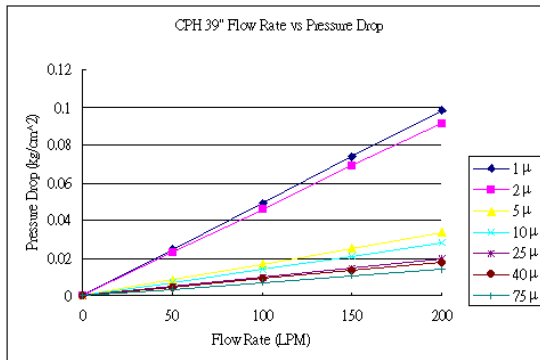
Applications

- ◇ RO Pre-Filtration
- ◇ Beverage/Wine Clarification
- ◇ Filtration of Edible Oil
- ◇ Pre or Final Filters for Waste Water
- ◇ UF Membrane Pre-Filtration
- ◇ Filtration of Amines
- ◇ Filtration of Glass Cut Cleaning

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Performance

Pressure Drop vs Flow Rate



Particle Retention Ratings

Micro Rating (μm)	Filtration Efficiency (%)						
	1	3	5	10	20	30	40
C10	99.98	>99.98	>99.98	>99.98	>99.98	>99.98	>99.98
C50	81.45	91.30	99.98	>99.98	>99.98	>99.98	>99.98
D10	-----	58.55	78.25	99.98	>99.98	>99.98	>99.98
D20	-----	-----	55.65	76.35	99.98	>99.98	>99.98
D30	-----	-----	-----	74.65	85.35	99.98	>99.98
D40	-----	-----	-----	-----	70.50	88.40	99.98

* By Multi-Pass Test

ISO MEDIUM TEST DUST 12103-1, A3

How to order

Product Codes				
CP	U-	C50-	40-	E-
	I.D.	Micro Rating (μm)	Length	O-Ring
	H-2" U-3"	C10-1μm D25-25 C20-2 D40-40 C50-5 D75-75 D10-10	39-39" 40-40" 60-60"	E-EPDM V-Viton S-Silicone T-PFA encap. Viton

Example: CPU-C50-40-E