

# aspire<sup>®</sup> Accu-Clear CV Series

## Continuous Fiber Pleated Cartridges



Molded Gage

Extruded Gage

The Accu-Clear CV Series filter cartridges utilize a high surface area of small denier fibers to create more void volume in a highly uniform matrix, optimizing flow rate and service life without sacrificing particle efficiency. This revolutionary Micro-fiber optimizes pore size geometry required to offer absolute rated filtration performance. Our high efficiency media is non-calendared at the lower micron ratings resulting in significantly reduced resistance to flow or pressure drop when compared to similarly rated polypropylene micro-fiber technologies.

The Accu-Clear CV Series products are available in industrial grades that utilize epoxy binders or in FDA compliant grades, which utilize acrylic binders. Accu-Clear CV Series products are perfect for a wide range of applications where chemical compatibility is critical.

### Benefits

- 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.
- Some microns available in FDA Title 21 compliant for food and beverage contact.
- Thermally bonded construction to ensure a cleaner filtrate.

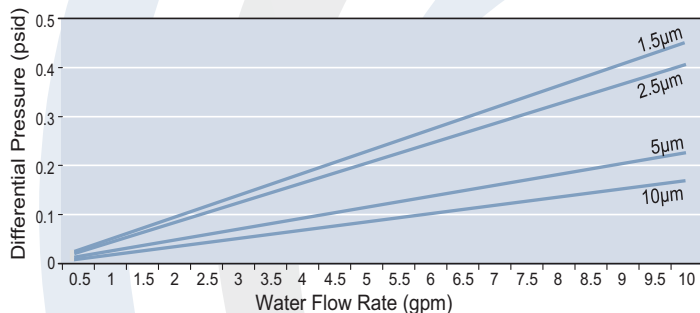
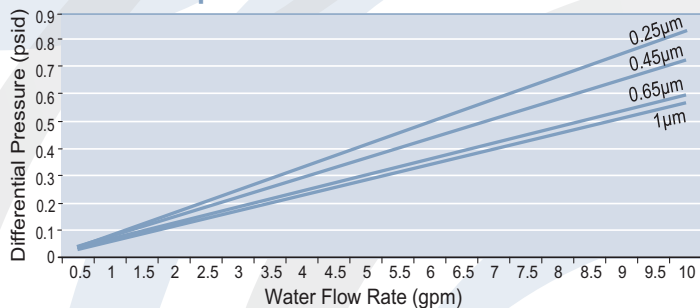
### Applications

- General Chemical
- Water Filtration
- Solvent Filtration
- RO/DI Prefiltration
- Waste Water
- Oil and Gas Production

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### Pressure Drop vs. Flow Rate



### Materials of Construction

Filter Media	Borosilicate Microfiber Glass
Support Material	Polyester
Hardware	Polypropylene
Internal Support Ring	Stainless Steel
Cage/Core	Polypropylene
Sealing	Thermal Bond
Seals	Buna-N, Fluorocarbon, EPDM FEP Encapsulated Fluorocarbon, PTFE, Silicone

### Dimensions (nominal)

Outside Diameter Extruded Cage in (cm)	2.55 (6.5)
Molded Cage in (cm)	2.68 (6.8)
Lengths in (cm)	10 (25.4), 20 (50.8), 30 (76.2), 40 (102)

### Product Efficiency

Accu-Clear CV	99.98% Efficiency	90.00% Efficiency
002	0.8µm	0.25µm
004	0.9µm	0.45µm
006	1.0µm	0.65µm
010	2.0µm	1.0µm
015	3.0µm	1.50µm
025	5.0µm	2.50µm
050	10.0µm	5.00µm
100	15.0µm	10.00µm

### Performance Specifications

Absolute Rated Retention	0.25µm, 0.45µm, 0.65µm, 1.0µm, 1.5µm, 2.5µm, 5.0µm, 10.0µm
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

### Cartridge Ordering Information

Media Type	Grade	Series	Cage Style	Nominal Length (inches)	Cartridge Style	Gasket or O-Ring Material	Utilization
<b>DG</b>	<b>002</b>	<b>CV</b>		<b>05</b>	<b>7</b>	<b>03</b>	<b>N</b>
DG = Continuous Fiber Pleat	002 = 0.25µm	CV = Clear Vantage	Blank = Extruded H = Molded	A = 10 B = 20 C = 30 D = 40	1 = DOE, 9.75" 2 = DOE, 10" 3 = 222 O-Ring/ Flat 7 = 226 O-Ring/Fin 7A = 226 O-Ring/Flat 8 = 222 O-Ring/Fin	01 = EPR 03 = Silicone 04 = Nitrile* 08 = Viton®* 11 = PTFE/Viton®	N = Non-Steam Sterilizable S = Steam Sterilizable Steam ring in contact with fluid
	004 = 0.45µm						
	006 = 0.65µm						
	010 = 1.00µm						
	015 = 1.50µm						
	025 = 2.50µm*						
	050 = 5.00µm*						
	100 = 10.0µm*						

\* Non FDA

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