

Accu-Clear™ CV Series Filter Cartridges

High Efficiency Filter Cartridges with Pleated Microfiber Glass Media



Description

The Accu-Clear™ CV Series pleated cartridge line has been developed to meet the process needs and throughput requirements of the pharmaceutical, food and beverage, electronics, chemical, and other industries. CV pleated cartridges are used to filter liquids with high efficiency, low pressure drop, robust debris holding capacity and long life. CV filters can be used as a prefilter or as a final filter depending on the application.

Accu-Clear CV Series filter cartridges deliver high efficiency and consistent filtration of fluids in a wide range of applications. Accu-Clear filter cartridges are constructed of pleated microfiber glass filter media that provides particulate removal from 0.1 to 50 µm. The high surface area Accu-Clear filters ensure long service life and low initial pressure drops.

All cartridge hardware components are high purity polypropylene materials for use in critical process applications. Accu-Clear cartridges are manufactured and assembled in a clean room environment to minimize the possibility of contamination. Accu-Clear Series cartridges are available in a wide range of configurations to fit most commercially available filter housings.

Features and Benefits

- Nominally rated filters (90%) with high flow rates and a low pressure drop
- High surface area filter cartridges, constructed of pleated glass microfiber medium, provide efficient particle retention and long on-stream life cycles.
- Constructed with a durable 2.5 inch cage and 1.0 inch core
- Removal ratings available from 0.1 to 50.0 µm.
- No adhesives, binders, lubricants, or coatings are used in the manufacturing process to ensure the lowest levels of leachables and extractables.
- All cartridges are constructed and assembled in a clean room environment to ensure minimal particle contamination.
- All materials of construction are FDA-listed for food and beverage contact according to CFR Title 21 and comply with USP Class VI toxicity test for plastics.

Materials of Construction

Filter Media	Glass Microfiber
Support Media	Polypropylene
Cage, Core, End caps	Polypropylene
O-rings/Gaskets	EPR, Silicone, PTFE*

* Other materials available

Applications

- Food and Beverage Processing
- High Purity Chemicals
- RO Pretreatment
- Cosmetics And Fragrances
- Chemical Mechanical Polishing
- Metal Finishing/Plating Solutions
- Solvent Filtration
- Paints and Coatings
- Pharmaceutical Prefiltration
- Photographic Solutions

Compliance

FDA Listed Per 21 CFR

Filter Media	Yes
Support Media	Yes
Cage, Core, Endcaps	Yes
O-Rings/Gaskets	Yes

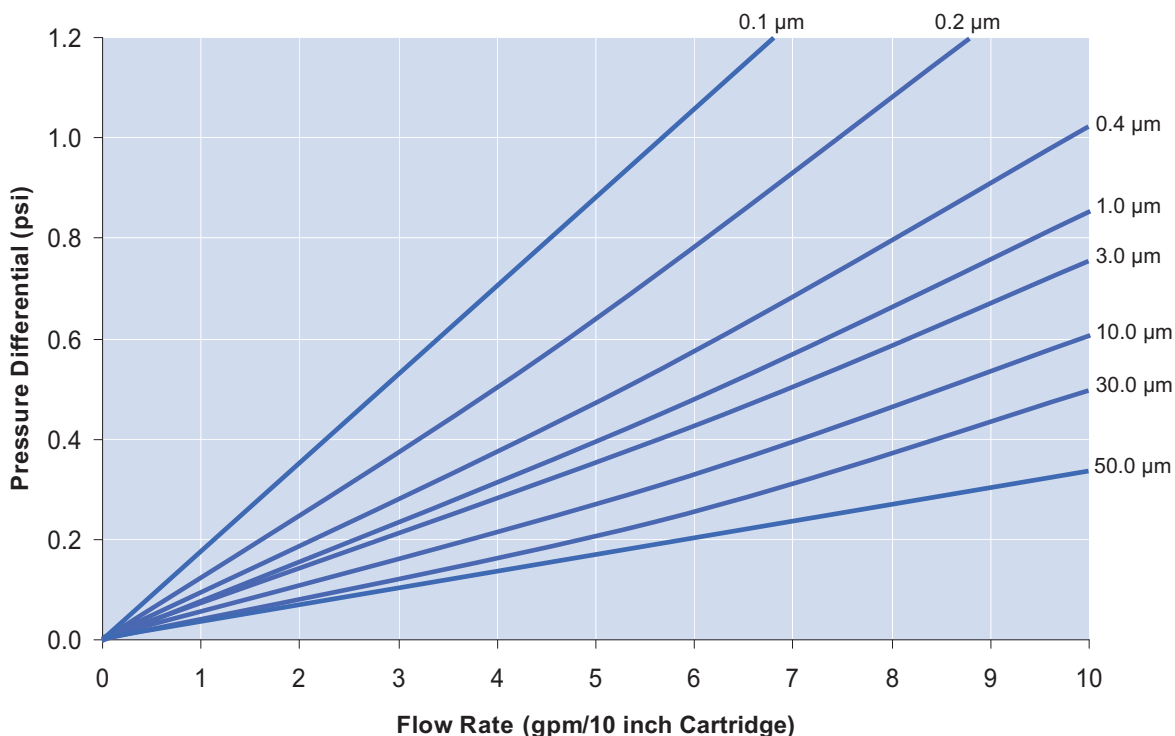
Nominal Dimensions

Length Designation		A	B	C	D
Diameter	(in)	2.5	2.5	2.5	2.5
	(cm)	6.4	6.4	6.4	6.4
Length	(in)	10	20	30	40
	(cm)	25	51	76	102

Operating Conditions

Maximum Differential Pressure	Maximum Operating Temperature
60 psid (4 bar)	68 °F (20 °C)
30 psid (2 bar)	140 °F (60 °C)

Water Flow Rate



Cartridge Selection Guide

Media Type	Micron Rating* (fluid)	Series	Nominal Length (in)	Cartridge Style	Gasket or O-Ring Material	Utilization
DG	002	CV	B	7	03	S
DG = Glass Microfiber	001 = 0.1 µm 002 = 0.2 µm 004 = 0.4 µm 010 = 1.0 µm 020 = 2.0 µm 030 = 3.0 µm 100 = 10.0 µm 300 = 30.0 µm 500 = 50.0 µm	Clear Vantage	A = 10 B = 20 C = 30 D = 40	1 = DOE, 9.75 inch 1x = DOE, 9.75 inch with Extension 2 = DOE, 10 inch 3 = 222 O-Ring/Flat 7 = 226 O-Ring/Fin 7A = 226 O-Ring/Flat 8 = 222 O-Ring/Fin 9 = 222 O-Ring (Locking)/Fin	01 = EPR 03 = Silicone 04 = Nitrile 08 = Viton 11 = PTFE/Viton other materials available	S = Steam Sterilizable N = Non-Steam Sterilizable

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