



CelluTEC[®] HF Series Filter Cartridges

Cellulosic Filter Cartridges

Product Specifications

Media: Cellulosic Media with DE and Polypropylene media

End caps, cage: Polypropylene

Support layers: Polypropylene

Gaskets/O-Rings: Buna-N, EPDM, Silicone, Viton

Micron rating: 0.5, 1, 10, 25 μ m

Dimensions

Nominal lengths:

20" 40" 60"

50.8 101.6 152.4 cm

Outside diameter:

6.0" (15.2 cm)

Surface Area:

30ft² (2.8m²) per 20" element

Operating Parameters

Maximum operating temperature:
176°F (80°C)

Maximum differential pressure:
60 psid @ 70°F (4.1 bar @ 21°C)
30 psid @ 176°F (2.0 bar @ 80°C)

Maximum reverse differential pressure:
25 psid @ 70°F (2.0 bar @ 21°C)

Recommended change-out pressure:
35 psid (2.4 bar)

The CelluTEC is dual layered with cellulosic media that contains DE (Diatomaceous Earth) and polypropylene media to provide enhanced filtration. Graver CelluTEC cartridges are designed for high loading applications to replace large lenticular filters. The cellulosic filter media is pleated in a 6" diameter High Flow cartridges. The CelluTEC's combination of material allows for high flow rates and high efficiency of filtration for particulate removal. The DE embedded in the Cellulosic layer helps trap impurities within the filter. CelluTEC cartridge are a well-designed solution for industrial filtration tasks where efficient particulate removal are crucial.

FEATURES & BENEFITS

- Compact cartridge design to minimize space required
- 99% retention at rated pore size
- HF cartridge rated up to 30GPM (114LPM) per 20" element for optimal filtration
- Thermally Bonded Construction
- High Solids Removal
- Excellent Product compatibility

CERTIFICATIONS

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 177.1520, 177.2600 and 186.1673 as applicable for food and beverage contact.
- European Directive for Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

TYPICAL APPLICATIONS

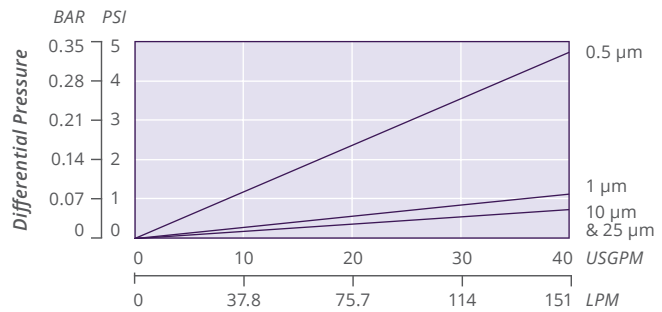
- Water Systems
- Food and Beverage
- Botanical Extract
- Wine and Beer
- Distilled Spirits
- Ethanol Extraction
- Haze and Turbidity Removal

CelluTEC HF NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)	Length (inches)	Gasket or O-Ring	Packaging
CelluTEC HF	0.5	-20	B Buna-N	Blank Individual Box
	1	-40	E EPDM	2 pk 2 Pack Box, 60" Only
	10	-60	S Silicone	4 pk 4 Pack Box, 60" Only
	25		V Viton	
Example: CelluTEC HF 10-20-S				
CelluTEC	10	-20	S	

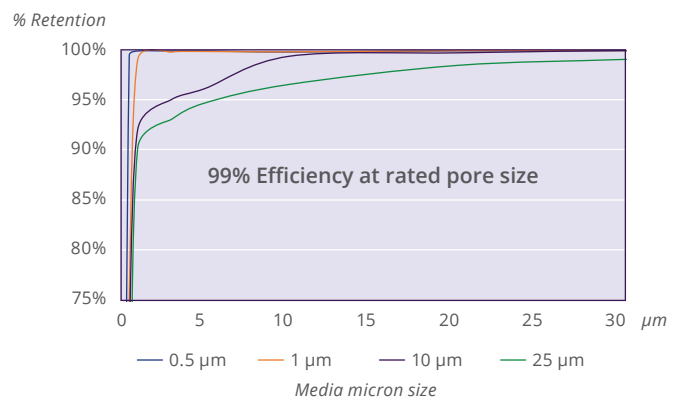
CelluTEC HF FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature (per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

EFFICIENCY OF MEDIA



The efficiency graph shows the retention of various particle sizes. This was determined through laboratory testing. Under actual field conditions, results may vary somewhat from the values shown due to the variability of filtration parameters. Testing was conducted using the single-pass test method, water at 3 gpm/10" cartridge. Contaminants included latex beads, coarse and fine test dust. Removal efficiencies were determined using dual laser source particle counters.

FOR MORE INFORMATION

GTX-372 10-24

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