

# HC SERIES

## Pleated Cellulose Cartridges

- Pleated Cellulose Cartridges
- Nominally Rated

Spiral formed, plated steel center cores are standard to prevent cartridge collapse at high differential pressures.



### SUITABLE USES



Air & Gas



Oil & Gas



Chemical



Coolant

- |                |                  |                 |                    |
|----------------|------------------|-----------------|--------------------|
| ■ AMINES       | ■ GLYCOLS        | ■ NAPHTHA       | ■ COOLING OILS     |
| ■ CONDENSATES  | ■ HYDRAULIC OILS | ■ LUBE OILS     | ■ TRANSFORMER OILS |
| ■ CUTTING OILS | ■ DIESEL OILS    | ■ PROCESS WATER | ■ CHEMICALS        |
| ■ FUEL OILS    | ■ JET FUELS      | ■ QUENCH OILS   |                    |

### ADDITIONAL FEATURES

Pleated cellulose cartridges available in various configurations.

HC series nominal elements range from 90 to 95% removal efficiency.

Plated steel end caps and core help protect the element from bursting into the system.

Available in micron ratings from 1/2µm to 40µm.

Elements come standard with Buna-n gaskets with others available.

Can be used as replacements for other manufacturers elements.

*For custom applications,  
please contact factory for more details:  
[info@fil-trek.com](mailto:info@fil-trek.com) or visit [Fil-Trek.com](http://Fil-Trek.com)*

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## ELEMENT SPECIFICATIONS

**MAXIMUM DIFFERENTIAL PRESSURE** 75 PSID (4bar) @225°F(108°C)

**MAX. OPERATING PRESSURE** 50 PSID (3.4 bar) @68°F (20°C)

### DIMENSIONS

#### 600 SERIES

Outside Diameter 6" Inside Diameter 3½"

#### 700 SERIES

Outside Diameter 6" Inside Diameter 2⅝"

### MATERIALS OF CONSTRUCTION

Media Pleated Cellulose

End Caps Plated steel  
Buna gaskets

Core Pleated Spiral Steel

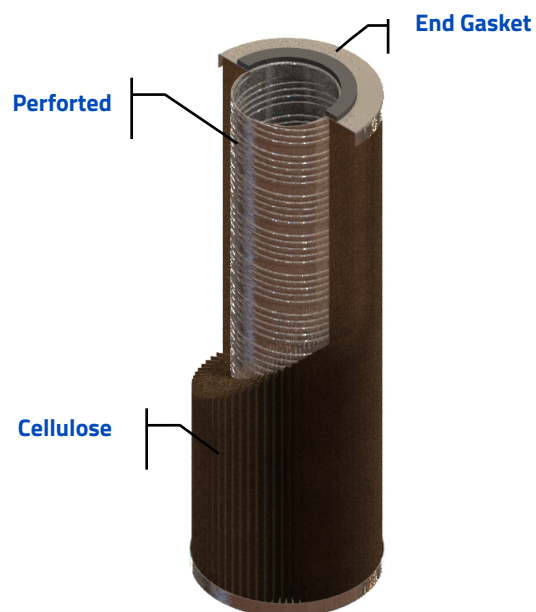
**TEMPERATURE LIMIT** 225°F (108°C) (std)  
300°F (149°C) – for HT (high temperature)

## CARTRIDGE SPECIFICATIONS

### HC SERIES

HC cartridges are made of special resin impregnated cellulose and are best used for the removal of particulate where a nominally rated filtration efficiency is suitable. The large surface area of these pleated cartridges maximize dirt holding capacity and are stable under high flow rate applications.

The flow direction of the HC filters is outside to inside, however reverse flow filters are available (please contact factory if reverse flow is needed). The cores, end caps and outside wrapper are made of tin plated steel and Buna gaskets are standard.



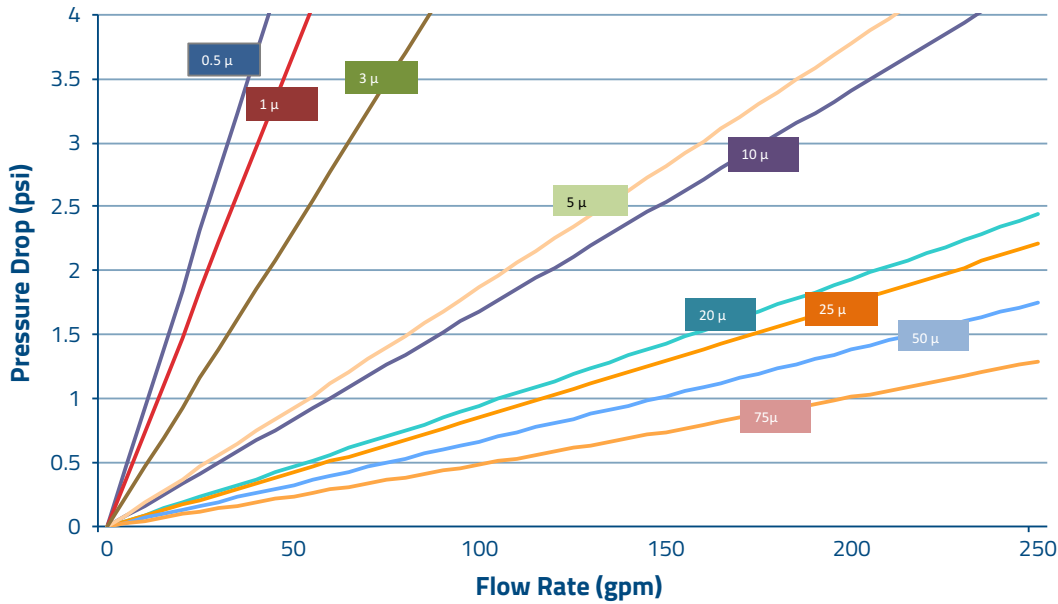
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## FLOW CHART

Flow Rates vs Differential Pressure Pleated Paper (18" Length)



## PRODUCT NOMENCLATURE

HC	6	36	5	BN	OTHER
SERIES	OUTSIDE/INSIDE DIAMETER	LENGTH	MICRON RATING	GASKET OPTIONS	
HC- PLEATED CELLULOSE MEDIA	6-6" OD/3.5" ID 7-6" OD/2.625" ID	18" 36" 44" 56"	0.5-0.5 MICRON 1-1 MICRON 3-3 MICRON 5-5 MICRON 10-10 MICRON 15-15 MICRON 25-25 MICRON 40-40 MICRON	BN-Buna-N* (std) EP-EPDM VI-Viton	HT-HIGH TEMPERATURE

Note: Other lengths and diameters available. Contact factory for details.



55 Stafford Court, Cambridge, ON N1T 1B3 P (519) 623-7448 F (519) 623-8807

For more information, e-mail: [info@fil-trek.com](mailto:info@fil-trek.com) or visit [Fil-Trek.com](http://Fil-Trek.com)