



# HIGH-CAPACITY FILTERS FOR EFFICIENT SEPARATION OF SOLIDS & LIQUIDS

**HIGH CONTAMINANT HOLDING CAPACITY**  
**LARGE DIAMETER, HIGH FLOW**  
**UNIQUE LAYERED CONSTRUCTION**

High-capacity (HC) Filter cartridges from Celeros Flow Technology remove high volumes of solid contaminant to  $\beta 5000$  efficiency levels while ensuring minimal impact on process parameters.



**DOLLINGER®**

**PLENTY®**

Available in a range of cartridge lengths & particulate grades, our HC Filters are available to order as spares, or as part of a total filtration solution. Each HC Filter cartridge features a unique layered & pleated media pack construction, designed for maximum particle retention & absolute rated performance across a wide range of particulate sizes.

The inside-to-out flow pattern combined with a positive O-Ring seal arrangement guarantees high-efficiency contaminant removal and increased dirt holding capacity, prolonging service life. The filter cartridge is designed for efficient element removal and replacement and ensures that no trapped particulate accidentally falls into the clean side of the filter housing.

HC Filter cartridges are available with polypropylene and glass microfiber filtration media in absolute  $\beta 5000$  (99.98%) ratings from 1 to 90 microns.

## **TYPICAL APPLICATIONS**

- Amine/Glycol Systems
- Liquid Separation Pre-Filtration
- Process Water
- Power Generation
- Specialty Chemicals
- Water Treatment
- Seawater Systems
- Injection & Source Water
- Machining & CNC Coolant

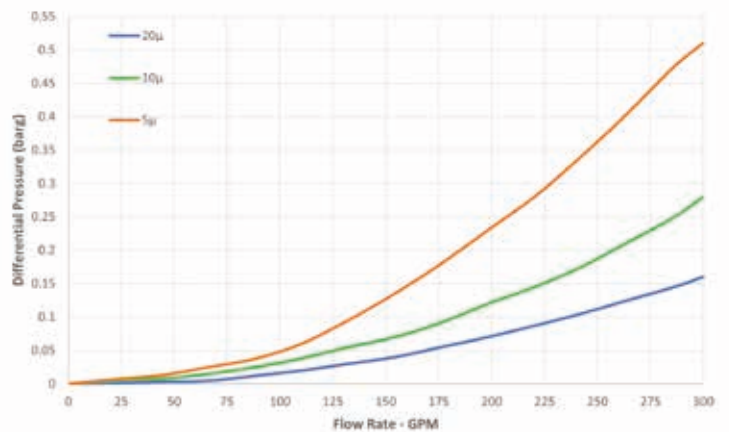


## SPECIFICATIONS

<b>Cartridge Diameter</b>	6" (152mm)
<b>Cartridge Length</b>	20", 40", 60"
<b>Rated Flow Rate (USgpm)</b>	175, 350, 500
<b>Filtration Media</b>	Polypropylene Glass Fiber w/ Polyester Polyester
<b>Maximum Service Temperature</b>	Polypropylene – 82°C Glass Fiber w/ Polyester – 120°C
<b>Support Material</b>	Polypropylene Polyester / Nylon Stainless Steel
<b>End Caps</b>	Glass Filled Polypropylene Glass Filled Acetal
<b>O-Ring Material</b>	EPDM FKM BUNA-N Neoprene
<b>Micron Ratings (µm)</b>	1, 2, 5, 10, 20, 40, 70, 90
<b>Retention Ratings</b>	$\beta_{5000}$ (99.98%)
<b>Maximum Differential Pressure</b>	2.5 – 3.0 barg Changeout Pressure
<b>Flow Direction</b>	In to Out



Typical multi-cartridge bundle  
19 x 40" long, 36" N.B. – 6,650 USgpm capacity



Flow vs DP curve: 40" long cartridge – 73mm orifice

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| SPEED | EXCELLENCE | PARTNERSHIP

Celeros Flow Technology reserves the right to incorporate our latest design and material changes without notice or obligations. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit [www.celerosft.com](http://www.celerosft.com).

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