CHEMFLO
Process Filtration. LLC

Solutions design and planning

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Depthflo High Performance Cartridge Filters

Polypropylene Pleated Microfiber Media Cartridge Product Specifications

Optimized for Removing Gels and Deformable Particulate in Industrial Process Applications

Features and Benefits:

Absolute Rated
- 99.98% efficiency
- β=5000

Pleated Cartridge
- 5.1 ft^2 Effective Filtration Area, nominal
- Drainage Layers on both sides of media

100% Polypropylene Construction
- Ultrasonic Sideseams
- Thermally Bonded Polypropylene End Caps
- No Adhesives or Laminates
- Filter components FDA acceptable per 21CFR177.1520

Tailored Product Options Available:

CHEMFLO's products can be optimized for your application.
- Chemicals
- Acids and Caustics
- Aqueous and Salt Water

Ask your filter distributor or Chemflo for compatibility.

Standard product dimensions:

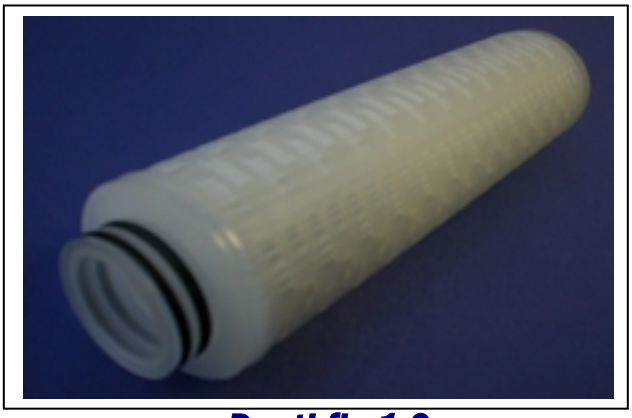
- Length: 10 to 40 inches (25.4 – 101.6 cm)
- Outside Diameter: 2.75 inches (7 cm)

Maximum Differential Pressure:

- Forward: 50 psi at 20°C
- Reverse: 40 psi at 20°C

Polypropylene Depthflo Microfiber Features:

- Meltblown Depthflo Filter Media
- Minimizes Blinding due to Deformable Particles
- Removes Gels
- Dual drainage layers to prevent fiber migration
- Fine fibers provide maximum dirt holding
- Wide Chemical Compatibility
- High Efficiency
- Long Life



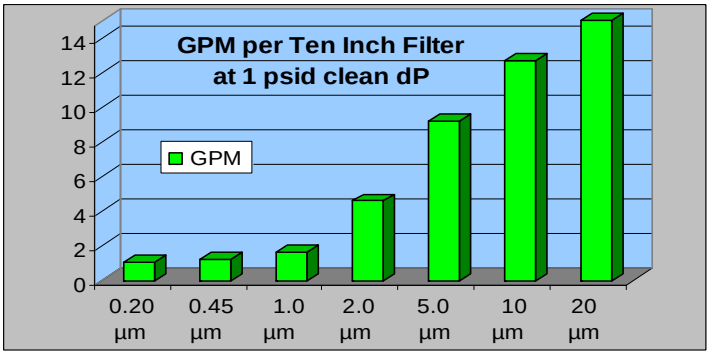
Depthflo 1.0
(222 end cap configuration shown)

Sanitization/Sterilization

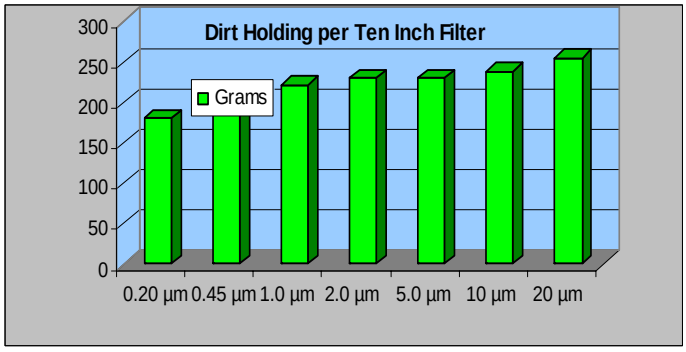
Filtered Hot Water: 90ºC
Chemical Sanitization...Industry standard

Flow Rates Typical water flow at 69 mbar (1 psi) across one 10 inch filter element in water at ambient temperatures. Use this information to size filter vessels but take care to 1) account for dirt loading and 2) add clean pressure drop across housing and across the 1" orifice in the element. Please contact your Chemflo representative for vessel sizing.

Depthflo Water Flow Rates at 1 psi (69 mbar):



Polypropylene Depthflo Dirt Holding:



Pore Size	0.20 µm	0.45 µm	1 µm	2 µm	5 µm	10 µm	20 µm
psid/GPM	1.30	1.19	0.456	0.23	0.11	0.843	0.041

add housing and orifice pressure drops to media pressure drops. dP across 1" hole becomes significant over 10 gpm

From laboratory tests using water and ISO Fine Test Dust in a multi-pass test stand. Laboratory tests do not duplicate field results.

Exclusive Distribution Partner:

6823 Fulton Street. Houston, Texas 77022