



Duraflo High Performance Cartridge Filters

Polypropylene Pleated Microfiber Media Cartridge Product Specifications

Optimized for Food and Beverage Applications

Features and Benefits:

- Absolute Rated
 - 99.98% efficiency
 - $\beta=5000$
- Pleated Cartridge
 - 6.2 ft² 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.

- Water Bottlers and Soft Drinks
- Flavorings
- Wine and Beer
- HV Duraflo for Syrups

Standard product dimensions:

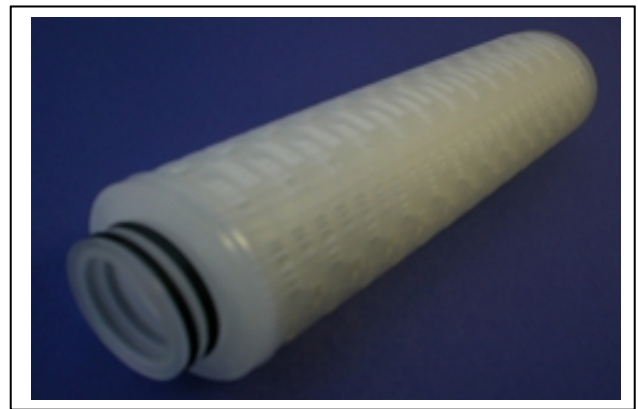
- Length: 10 to 40 inches (25.4 – 101.6 cm)
- Outside Diameter: 2.75 inches (7 cm)

Maximum Differential Pressure:

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

Polypropylene Microfiber Features:

- Melt blown filter media
- Dual drainage layers to prevent fiber migration and to assure even flow distribution
- Fine fibers provide maximum dirt holding and particle removal cut off
- Wide Chemical Compatibility
- High Efficiency
- Long Life



Duraflo 0.45

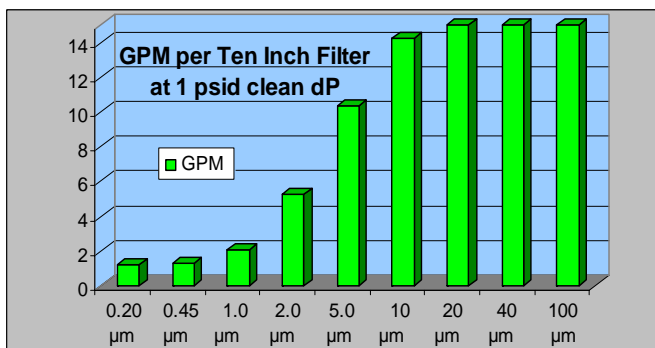
(222 end cap configuration shown)

Sanitization/Sterilization

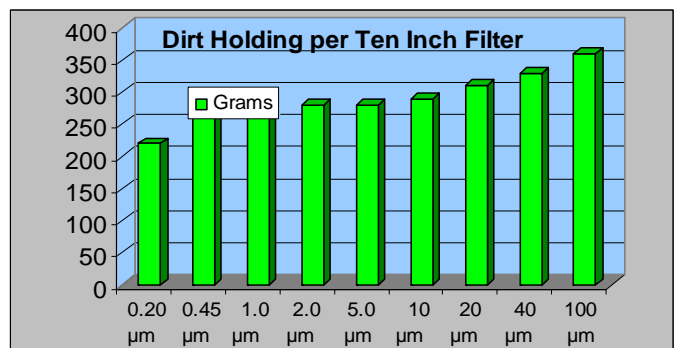
Filtered Hot Water:90°C
Chemical Sanitization...Industry standard

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.

Duraflo water flow rates at 1 psid (69 mbar):



Polypropylene Duraflo Dirt Holding:



Polypropylene Duraflo Media psid/gpm

Pore Size	0.20 µm	0.45 µm	1 µm	2 µm	5 µm	10 µm	20 µm	40 µm	100 µm
psid/GPM	1.12	1.05	0.49	0.19	0.099	0.812	0.038	0.031	0.011

add housing and orifice pressure drops to media pressure drops. The dP across 1" hole in element is 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:

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