

DEPTHFLO™ POLYPROPYLENE PLEATED MICROFIBER MEDIA CARTRIDGE PRODUCT OPTIMIZED FOR REMOVING GELS AND DEFORMABLE PARTICULATES

Applications:

- Aqueous & Salt Water
- Coolant Water and Process Water
- Salt Water Injection/Produced Water
- Pre-RO
- Water Bottlers & Soft Drinks
- Flavorings
- Wine and Beer

Ask your filter distributor or Velcon Process for compatibility

Features and Benefits:

- Ultrasonic Sideseams
- Thermally Bonded Polypropylene End Caps
- No Adhesives or Laminates
- Filter Components FDA Acceptable per 21CFR177.1520

Performance:

Rated Efficiency

- 99.98% Absolute Rated at Stated Micron ($\beta=5000$)

Maximum Differential Pressure:

- Forward:** 50 psid @ 20 °C (68 °F)
- Reverse:** 40 psid @ 20 °C (68 °F)

Product Dimensions & Constructions:

100% Polypropylene Construction

- Approx. 5.1 sq.ft. Effective Filtration Area, per 10 in. length
- Length:** 10 to 40 in. (25.4 - 101.6 cm.), nominal
- Outside Diameter:** 2.6 in. (6.6 cm.), nominal
- Core/Endcap:** Polypropylene
- Outcage:** Molded Polypropylene
- O-rings:** Buna-N



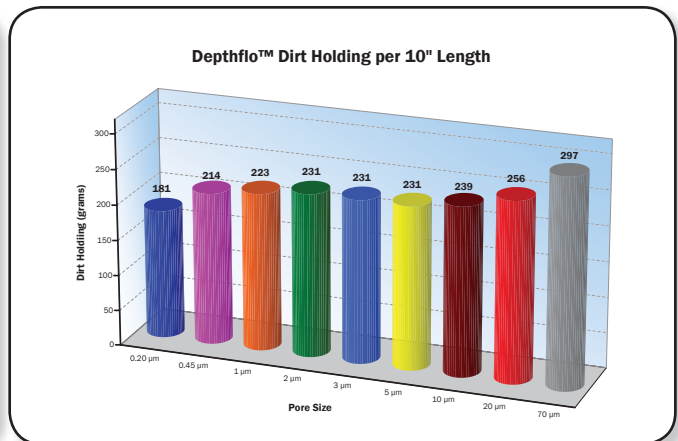
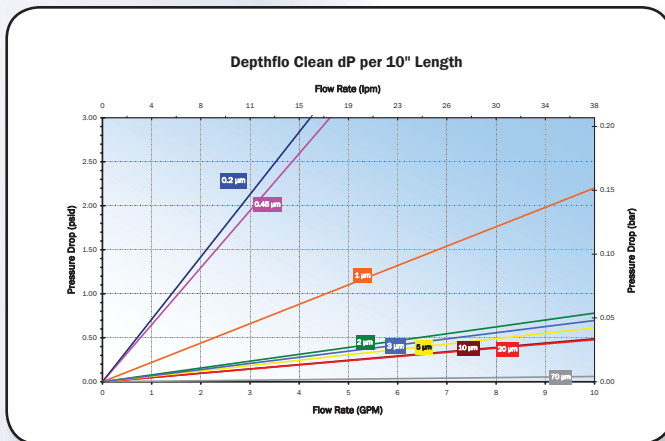
Polypropylene Microfiber Features:

- High Performance Depthflo Filter Media
- Available in 0.2, 0.45, 1, 2, 3, 5, 10, 20, and 70 μm
- Minimizes Blinding Due to Deformable Particles
- Removes Gels
- Dual Drainage Layers to Prevent Fiber Migration and to Assure Even Flow Distribution
- Fine Fibers Provide Maximum Dirt Holding
- Wide Chemical Compatibility
- High Efficiency
- Long Life

CHEMFLO products are tailored for your application:

- Media also available in Polyester, Nylon 6,6, and Microfiberglass
- 222 or 226 Single Open-End with Flat Cap or Fin
- Double Open-End with Flat Gasket
- O-ring:** EPDM, Viton, TEV
- Gasket:** EPDM, Buna-N, Viton

Flow Rates: Typical water flow at 69 mbar (1 psi) across one 10 in. 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 in. orifice in the element. Please contact your Chemflo representative for vessel sizing.



Add housing and orifice pressure drops to media pressure drops. dP across 1 in. hole becomes significant over 10 gpm. From laboratory tests using ISO Fine or Coarse Test Dust in a multi-pass test stand in water. Laboratory tests do not duplicate field results.