

## PP DURAFLO

### HIGH PERFORMANCE CARTRIDGE FILTERS. POLYPROPYLENE PLEATED MICROFIBER MEDIA

#### Features and Benefits:

- Rated Efficiency
  - 99.98% Absolute Rated at Stated Micron
  - $\beta=5000$
- 100% Polypropylene Construction
  - 6.2 sq.ft. Effective Filtration Area, nominal per 10 in. length
  - Filter Components FDA Acceptable per 21CFR177.1520

#### Applications:

- Amines, Glycol, Chemical
- Acids and Caustic
- Coolant Water and Process Water
- Salt Water Injection/Produced Water
- Water Bottlers & Soft Drinks
- Flavorings
- Wine and Beer

#### CHEMFLO products are tailored for your application:

- HF Depthflo™** for removal of gels and deformable particles
- HV Duraflo** for Higher Viscosities
- Media also available in Polyester and Nylon 6,6

#### Standard product dimensions:

- Length:** 10 to 40 in. (25.4 - 101.6 cm.), nominal
- Outside Diameter:** 2.75 in. (7 cm.), nominal

#### Tailored Options:

- Endcaps:** Single Open-End 222 w/Flat Cap
- O-rings:** Viton, EPDM, Buna-N, or TEV
- Outer Cage:** Molded Polypropylene
- Core/Endcap Material:** Polypropylene

**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 Velcon Process representative for vessel sizing.

#### Polypropylene Microfiber Features:

- High Performance 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

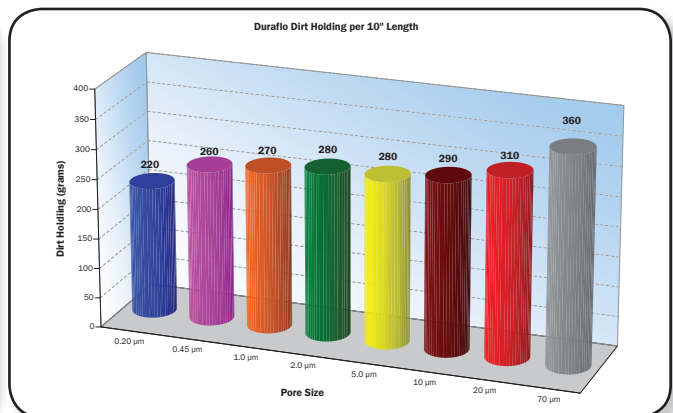


#### Sanitization/Sterilization

- Filtered Hot Water:** 90 °C
- Chemical Sanitization:** Industry Standard

#### Maximum Differential Pressure:

- Forward:** 50 psid @ 20 °C
- Reverse:** 40 psid @ 20 °C



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.