



Mempor W

The Mempor W filter cartridge is a water grade pleated filter element based on a naturally hydrophilic, asymmetric Polyethersulfone membrane.

The Mempor W filter cartridge provides economical membrane filtration for less critical applications. The high surface area, 7.6ft² (0.7m²) EFA, ensures high flow rates with low pressure drops and long service life.

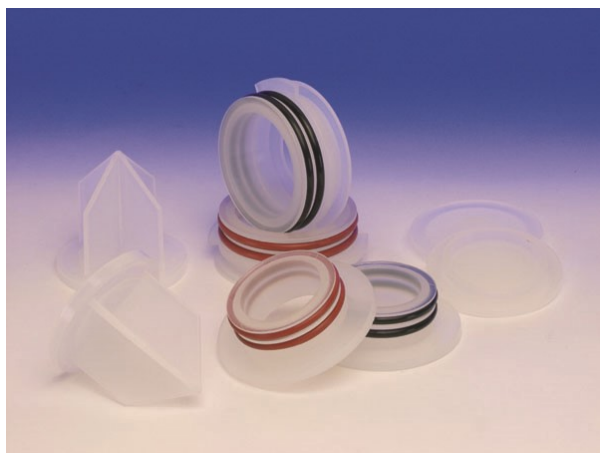
The Mempor W membranes are naturally hydrophilic, and with the thermal bonding assembly process, results in very low levels of extractables. Another feature of the Mempor W membrane is low protein binding, meaning that most of the proteins present in the feed remain in the filtrate.

Mempor W filter cartridges are available in a wide range of length and end cap configurations to retrofit most industry standard applications.



Features and Benefits

- Individually lot numbered with unique serial numbers for traceability.
- Can be steam sterilized and repeatedly hot water sanitized.
- Excellent chemical compatibility and resistant to hydrolysis.
- Low protein binding; does not strip out proteins or remove colors.
- Naturally hydrophilic, no wetting agents needed and very low levels of extractables.
- Meets current USP Class VI plastics test and CFR Title 21 for food contact.



Dimensions

Outside Diameter: 2.7" (69mm)
 Inside Diameter: 1.0" (2.54cm)
 Lengths: 5" to 40"

Sanitization

Steam or Autoclave: 250°F (121°C) under no end load

Operating Conditions

Recommended Maximum ΔP :

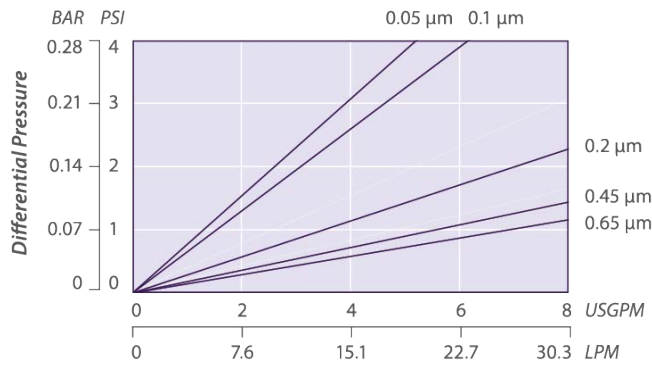
Forward Flow 75psid @ 70°F (5.2 bar @ 21°C)
 30psid @ 176°F (2.0 bar @ 80°C)

Reverse Flow 40psid @ 70°F (2.8 bar @ 21°C)

Recommended change-out pressure 35psid (2.4 bar)

Water Flow Rate 10" Element, Water @ 68°F (20°C)

Typical Flow Rate Clean Water at Ambient Temperature
 (per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

Ordering Guide

| Name | Micron Rating | Nominal Length | End Cap Type | Seal Type |
|----------|---------------|----------------|---------------------------|--------------|
| Mempor W | 0.05μm | 5" | 03 | E - EDPM |
| | 0.1μm | 9.75" | 04 - DOE | N - Buna N |
| | 0.2μm | 10" | 07 | S - Silicone |
| | 0.45μm | 20" | 08 | V - Viton |
| | 0.65μm | 30" | AM - Amazon End Cap Style | |
| | | 40" | | |

MW-NA-0317



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