



# 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, 7.6ft<sup>2</sup> (0.7m<sup>2</sup>) 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  $\Delta P$ :

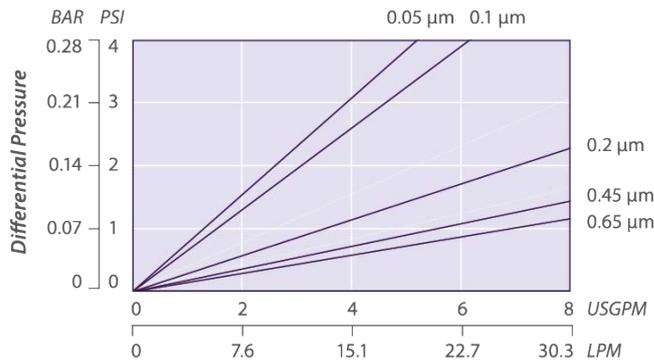
Forward Flow 75psid @ 70°F (5.2 bar @ 21°C)  
 30psid @ 176°F (2.0 bar @ 80°C)

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	0.05 $\mu m$	5"	03	E - EDPM
	0.1 $\mu m$	9.75"	04 - DOE	N - Buna N
	0.2 $\mu m$	10"	07	S - Silicone
	0.45 $\mu m$	20"	08	V - Viton
	0.65 $\mu m$	30"	AM - Amazon End Cap Style	
		40"		

MW-NA-0317



North American Headquarters

Envirogen Technologies, Inc.  
 2627 Chestnut Ridge, Suite 260  
 Kingwood, TX 77339  
 Tel: +1 877.312.8950  
 E: [info@envirogen.com](mailto:info@envirogen.com)  
[www.envirogen.com](http://www.envirogen.com)



European Headquarters

Envirogen Water Technologies  
 Unit 14a Bromyard Road Trading Estate  
 Bromyard Road, Ledbury  
 Herefordshire HR8 1NS  
 Tel: +44 (0) 1531 636328  
 E: [info@enviroengroup.com](mailto:info@enviroengroup.com)  
[www.enviroengroup.com](http://www.enviroengroup.com)