



Mempor G

The Mempor G filter cartridge is a high surface area, absolute rated pleated filter element based on a naturally hydrophilic, asymmetric Polyethersulfone membrane.

The Mempor G filter cartridge is manufactured in an ISO Class 7 cleanroom environment, 100% flushed with ultrapure water and gross integrity tested. The high surface area, 7ft² EFA, ensures high flow rates with low pressure drops and long service life.

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

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



Features and Benefits

- Integrity testable
- 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: 275°F (135°C) for 30 minutes, 50 cycles
 Hot Water Sanitization: 185°F (85°C) for 30 minutes

Operating Conditions

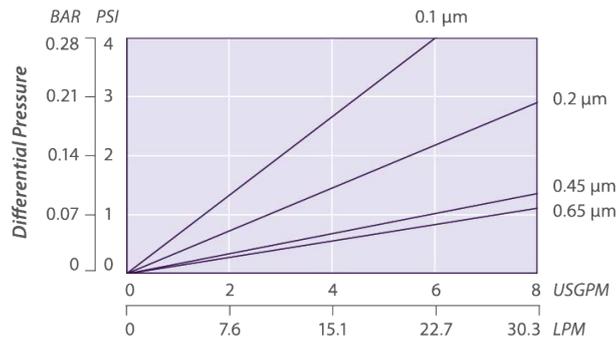
Recommended Maximum ΔP :

Forward Flow 80psid @ 70°F (4.1 bar @ 21°C)
 40psid @ 160°F (2.8 bar @ 71°C)

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

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

MG-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
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@envirogroup.com
www.envirogroup.com