

SPECIFICATION SHEET

MEMCOR® L40N Membrane Filtration Module

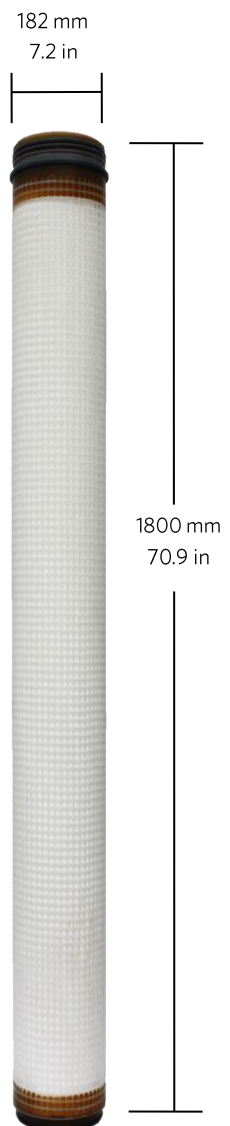


Certified to
NSF/ANSI/CAN 61
& NSF/ANSI 419



L40N MODULE SPECIFICATIONS

Parameter	Details
Part Numbers	Single Module Pack (factory fitted with Top Sleeve Adapter Ring, all top and bottom EPDM O-Rings, plus 7 gm Food Grade Silicone Grease Sachet): Memcor: 120309 SAP: W3T310758
Module Operating Process	Pressurized Ultrafiltration
Typical Applications	General Applications
Membrane Type	Hollow Fiber
Filtration Flow Direction	Outside to Inside
Backwash Type	Air Scour with Liquid Backwash
Membrane Material	PVDF (Polyvinylidene Fluoride)
Other Wetted Module Components	Polyurethane, Polyethylene, Polyamide, EPDM
Nominal Membrane Pore Size	0.04 µm
Nominal Membrane Area	67.0 m ² / 721 ft ²
Nominal Module Length (Overall)	1800 mm / 70.9 in
Nominal Module Diameter (Overall)	182 mm / 7.2 in
Approximate Module Mass	22 kg / 49 lb
Potable Water Certification ^{Note i}	NSF/ANSI 61 Drinking Water System Components - Health Effects NSF/ANSI 419 Public Drinking Water Equipment Performance - Filtration





L40N MODULE OPERATING SPECIFICATIONS

Parameter	Details
Operating Temperature Range	> 0 to 40 °C / > 32 to 104 °F (Must not be exposed to freezing conditions)
Temperature Range for Transportation and Storage	Preferred range 5 to 25 °C / 41 to 77 °F Allowable range > 0 to 40 °C / > 32 to 104 °F (shipment/storage in a temperature controlled container (or reefer) at 20 °C / 68 °F recommended). Modules must not be exposed to freezing conditions and must remain moist at all times.
Typical Feed pH Range	6.0 – 9.0 pH ^{Note ii}
Allowable pH Range for Cleaning	2.0 – 10.5 pH typical ^{Note iii}
Typical Maximum Recommended Trans-Membrane Pressure (TMP) in Filtration	140 kPa / 20 psi ^{Note iv}
Maximum Allowable TMP at any time	± 150 kPa / ± 22 psi @ ≤ 30 °C / 86 °F + 120 kPa / + 17 psi to - 150 kPa / -22 psi @ > 30 °C / 86 °F
Typical chlorine concentration during cleaning (MW or CIP)	50 – 200 mg/L @ 25 °C / 50 – 200 ppm @ 77 °F ^{Note v}
Maximum chlorine concentration during cleaning	1000 mg/L @ 25 °C / 1000 ppm @ 77 °F ^{Note v}
Maximum exposure to chlorine in feed or during storage	< 1 mg/L average, < 5 mg/L maximum, pH > 6.0 < 1 ppm average, < 5 ppm maximum, pH > 6.0 ^{Note v}
Maximum total chlorine exposure	1,000,000 mg.h/L @ 25 °C / 1,000,000 ppm.h @ 77 °F ^{Note v}
Maximum exposure to chloramines in feed or during storage	< 2.5 mg/L average, < 5 mg/L maximum, pH > 6.5 < 2.5 ppm average, < 5 ppm maximum, pH > 6.5 500,000 mg.h/L / 500,000 ppm.h ^{Note v}

Notes:

- NSF refers to NSF International formerly known as the National Sanitation Foundation. ANSI is a trademark of the American National Standards Institute.
- Exposure to chloramines is not recommended in feeds below 6.5 pH.
- Initial flushing of new modules followed by a cleaning cycle is recommended prior to use. Please refer to Memcor technical bulletin "Guidelines for flushing new MEMCOR® 'N' Series Modules" for further details.
- Maximum recommended filtration TMP for a particular application is usually feed dependent. The actual recommended value may vary from that shown.
- Please consult DuPont Water Solutions for additional guidance on exposure limits and for operation at different temperatures.



DuPont Water Solutions

All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. Nothing contained herein shall be construed as a representation that any recommendations, use or resale of the product or process described herein is permitted and complies with the rules or regulations of any countries, regions, localities, etc., or does not infringe upon patents or other intellectual property rights of third parties.

MEMCOR® is a registered trademark of DuPont Water Solutions. All other logos, trademarks, registered trademarks or service marks used herein are the property of their respective holders.