

## MEMCOR® L40 MEMBRANE FILTRATION MODULE HOUSING SPECIFICATION

### L40 MODULE HOUSING ASSEMBLY DETAILS

Parameter	Details
Module Operating Process	Pressurized Ultrafiltration
Typical Applications	Potable water, sea water and waste water filtration
Membrane Module Type	MEMCOR® L40 Hollow Fiber Membrane Filtration Modules (refer to separate specification sheets) <sup>Note i</sup>
Filtration Flow Direction	Outside to Inside
Backwash Type	Air Scour with Liquid Backwash
Materials of Construction	Glass Filled Nylon Mouldings ABS Centre Tube
Fasteners and Clamps Material	SS316 standard
Other Wetted Module Housing Components	EPDM O-Rings
Nominal Module Housing Length (Overall)	2370 mm / 93.3 in
Nominal Centre Tube Outside Diameter	188 mm / 7.4 in
Nominal External Dimensions of Assembly	630 mm W x 218 mm D / 24.8 in W x 8.6 in
Approximate Module Housing Assembly Mass	35 kg / 77 lb (Moulded parts only) 79 kg / 175 lb (with two Modules fitted)
Typical MemRACK™ Assembly	L40 Module Housings assembled in up to 18 rows (containing 36 Modules) with required end connections and mounting skid (refer to separate specification sheet)
Potable Water Approvals <sup>Note ii</sup>	NSF/ANSI Standard 61 – Drinking water system components



## L40 MODULE HOUSING OPERATING SPECIFICATIONS

Parameter	Details
Temperature Range for Transportation and Storage (Empty Housings Only)	> 0 to 50 °C / > 32 to 122 °F (Must not be exposed to freezing conditions)
Temperature Range for Transportation and Storage (with Membrane Modules Fitted) <sup>Note i</sup>	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 where temperature extremes may be encountered). Modules must not be exposed to freezing conditions and must remain moist at all times.
Maximum Operating Pressure <sup>Note iii</sup>	500 kPa ≤ 30 °C / 75 psi ≤ 86 °F
Hydrostatic Test Pressure <sup>Note iii</sup>	750 kPa ≤ 30 °C / 110 psi ≤ 86 °F
Protection from ultraviolet (UV) radiation	Module Housing Assemblies should not be exposed to ultraviolet radiation (direct sunlight) during storage or operation.

### Notes:

- i. When membrane filtration modules are fitted the transport, storage and operating limits of the membranes determine allowable limits of exposure. Please refer to Module specification sheets for further details.
- ii. ANSI is a trademark of the American National Standards Institute. NSF is a trademark of the National Science Foundation.
- iii. Please consult Evoqua Water Technologies for additional guidance on pressure limits at higher temperatures.



## Evoqua Water Technologies

MEMCOR is a registered trademark of Evoqua, its subsidiaries or affiliates, in some countries.

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract. Additional operating information, storage instructions and warranty terms may apply. Please contact Evoqua Water Technologies for more information.

© 2016 Evoqua Water Technologies. Subject to change without notice.

MC-L40MODULEHOUSING-AU-PS-A4-V10\_0916