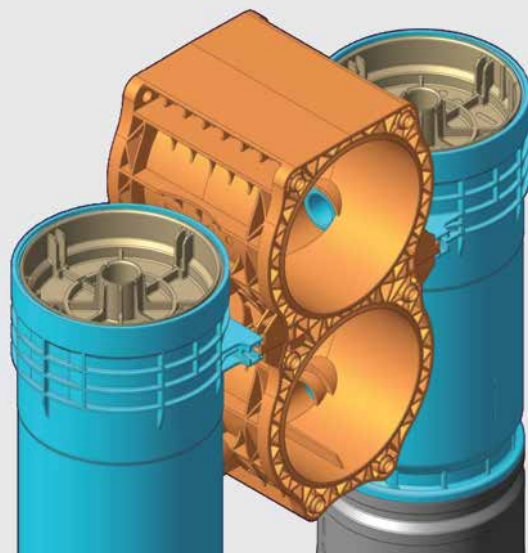




evoqua
WATER TECHNOLOGIES



MEMCOR® CP II ULTRAFILTRATION SYSTEM

**THE LATEST IN UF TECHNOLOGY
LOWERING THE COST OF TREATED WATER**



MEMCOR® CP II SYSTEM ASSEMBLY RACK

A NATURAL EVOLUTION IN MEMBRANE TECHNOLOGY

Introducing the MEMCOR® CP II system, a pressurised, pre-engineered membrane system with a modular building-block configuration and ultra-compact footprint.

Building on 25 years of experience in supplying membranes and membrane systems, the MEMCOR CP II system is the next evolution of the MEMCOR product family. The system utilises the latest enhanced PVDF UF membrane technology, and features design enhancements which reduce installation costs, improve system performance and simplify operations.

The MEMCOR CP II system is ideal for new installations and upgrades of existing facilities. By combining durable materials and reusable housings with easy module access, it reduces maintenance requirements and delivers exceptional value over the entire system life-cycle.

A SIMPLE, MORE EFFICIENT PROCESS

In the MEMCOR CP II filtration system, feed water is pumped through the feed header and into modules comprised of thousands of membrane fibers with microscopic pores on the membrane surface. As the water passes through the fibers, particles greater than 0.04 µm are rejected by the membrane.

The system provides greater flexibility, with options for high and low solids backwash timed at routine intervals, which minimises system downtime and results in more production from each membrane module.

Material not removed by the backwash is removed by regularly timed chemical cleaning.

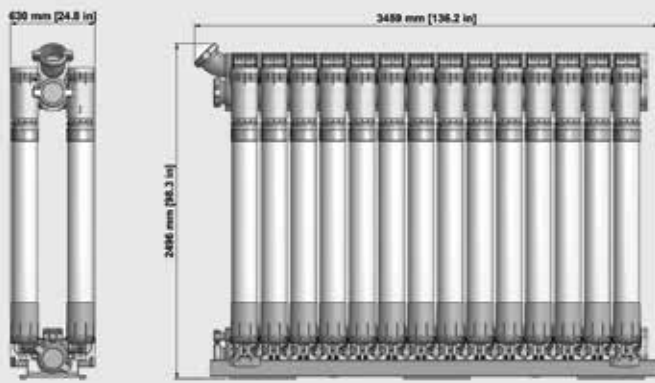
INNOVATIVE DESIGN FOR ENHANCED PERFORMANCE

MEMCOR CP II systems utilise an innovative assembly which combines the feed, filtrate, air, and waste headers with the membrane housings to form the MemRACK™ array. The integral headers within the MemRACK array are designed to optimise flow distribution within the system, delivering greater long-term process stability.

Self-supporting MemRACK arrays reduce membrane array footprint by up to 50% compared to previous MEMCOR system offerings. MemRACK arrays also fit in standard shipping containers allowing MEMCOR CP II systems to be quickly delivered and deployed anywhere in the world.



THE L40 MODULE HOUSING, WASTE HEADER AND FILTRATE HEADER



MEMCOR® CP II SYSTEM ASSEMBLY DETAILS

FLEXIBILITY FOR A WIDE RANGE OF APPLICATIONS

The enhanced modularity of the MEMCOR® CP II system enables faster implementation and delivers greater design flexibility. The number of modules in each MemRACK™ array is flexible up to 28 modules. MemRACK arrays are manifolded together to form functional units designed to fit an operator's application and available footprint, and racks can be combined in a variety of configurations. The MemRACK array's ultra-compact footprint enables designers to maximise access to each membrane module without having to increase building size. The MEMCOR CP II system allows for in-place maintenance, eliminating the need to remove modules.

All MEMCOR CP II systems are backed by the superior technical ability, experience, application knowledge and expert resources of Evoqua Water Technologies, an industry leader with more than 1,800 installations and 400,000 modules in operation worldwide.

MEMCOR CP II SYSTEM FEATURES

- Durable L40N PVDF UF membrane module
- Fully assembled, integral MemRACK array with optimised system hydraulics for long term process stability
- Multiple access routes to the L40N modules within the MemRACK array
- Industry leading UF system footprint
- Feed, air, filtrate, and waste headers integrate into a single, cost-saving component

THE MEMCOR® CP II SYSTEM LOWERS THE COST OF WATER PRODUCED

- MEMCOR CP II system's 90-second backwash results in more productivity from each module, which reduces the number of modules required to produce a given capacity, and drives down capital cost
- Modular building-block configuration allows for faster implementation and lower costs
- Maximum filtration performance in half the footprint of previous MEMCOR membrane arrays, which reduces the cost of new construction
- Simplifies operations and maintenance with access to membrane modules from the side or the top of the MemRACK array
- Scalable to meet wide range of plant capacities

MEMCOR CP II system can be supplied in a complete system or as MemRACK arrays and L40 modules only.

Discover a MEMCOR CP II system today. Visit www.evoqua.com.au to learn more.



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