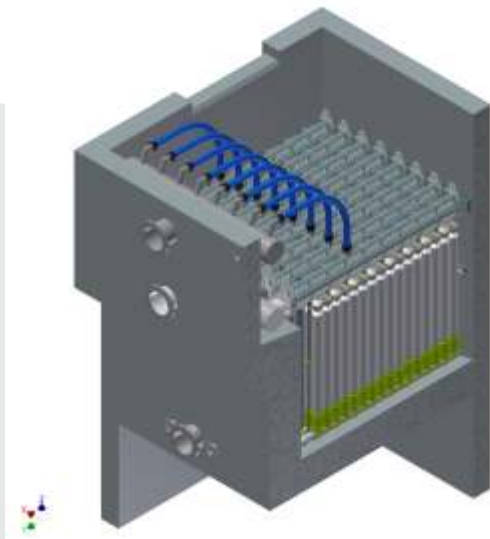


MEMCOR®

an EVOQUA® brand



MEMCOR® CS II ULTRAFILTRATION SYSTEM

FURTHERING SUBMERGED
MEMBRANE SYSTEMS & LOWERING
THE COST OF TREATED WATER



GEOFLUID

Evolving solid solutions.



MEMCOR® CS II MemRACK

MAKING SUBMERGED MEMBRANE SYSTEMS EVEN BETTER !

MEMCOR® CS II system takes the features of submerged membrane systems, such as: high solids handling capability; low energy use; & low footprint and makes them better!

Building on over 30 years of experience in both supplying membranes and membrane systems, the MEMCOR CS II system is the latest addition to the MEMCOR product family. The system uses: the latest enhanced PVDF UF membrane & potting that is proven in the field; a proven backwash process; and enhanced configuration to reduce both capital & operating costs.

The MEMCOR CS II system is ideal for new installations or for upgrades to existing Filter systems or Clarifiers. By using “double ended” filtration & a longer module energy usage is reduced; cutting membrane operating costs; decreasing the plant footprint while delivering exceptional value over the entire system life-cycle.

ABILITY TO TREAT THE MOST CHALLENGING FEEDS

With MEMCOR CS II the modules sit submerged / immersed in an open tank. Each module is 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.

During each backwash the waste solids are completely drained from the tank which eliminates maldistribution and combined with a small diameter fiber bundle increases the solids handling capability.

PROVEN RACK, MODULE & PROCESS

The MEMCOR CS II MemRACK™ assembly features:

- Proven L20N Modules: both high flux and high permeability;
- Uses Nylon Filtrate & Air rack components from the Memcor CS MemRACK already proven in the field;
- Seawater compatible option;
- Flexible configuration to fit to tanks/cells of different sizes and depths;
- Uses the proven Memcor CS backwash process, while achieving lower air usage; and lower membrane operating costs
- Suited to “Open Rack” technology platforms



HIGH TURBIDITY FEEDWATER





LARGE MEMCOR® CS SYSTEM
ADELAIDE DESALINATION PROJECT

LARGE SYSTEMS NEED RELIABILITY & LOW OPERATING COSTS

The enhanced modularity of the MEMCOR® CS II system enables widespread implementation - even into competitor systems - and delivers greater design flexibility. The number of modules in each MemRACK™ array is variable up to 44 modules to suit almost any size tank or configuration. The MemRACK arrays ultra-compact footprint enables designers to increase the capacity of their existing submerged system without having to add new cells/tanks.

All MEMCOR CS 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® CS II SYSTEM FEATURES

- Proven L20N PVDF UF membrane module (tens of thousands of modules already in the field)
- Very low energy use
- High solids handling capability
- Proven process with more than 2,000 ML/d (> 500 MGD) worth of installations
- Retrofit able to existing Filter cells or competitor submerged systems

The MEMCOR CS II system lowers the cost of water produced

- MEMCOR CS II operates under vacuum or siphon and at the membrane Trans-Membrane Pressure (TMP) which substantially reduces energy use compared to pressure center systems
- Maximum filtration performance with 40% lower footprint of previous MEMCOR membrane submerged systems, which reduces the cost of new construction
- Simplifies operations and maintenance with access to membrane modules from the top of the MEMCOR CSII MemRACK
- Scalable to meet wide range of plant capacities

MEMCOR CS II are supplied as MemRACK and L20 modules to be installed into new or existing concrete or steel structures.

Discover more about MEMCOR CS II system today and visit:
www.evoqua.com.au to learn more.



Authorised Distributor



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