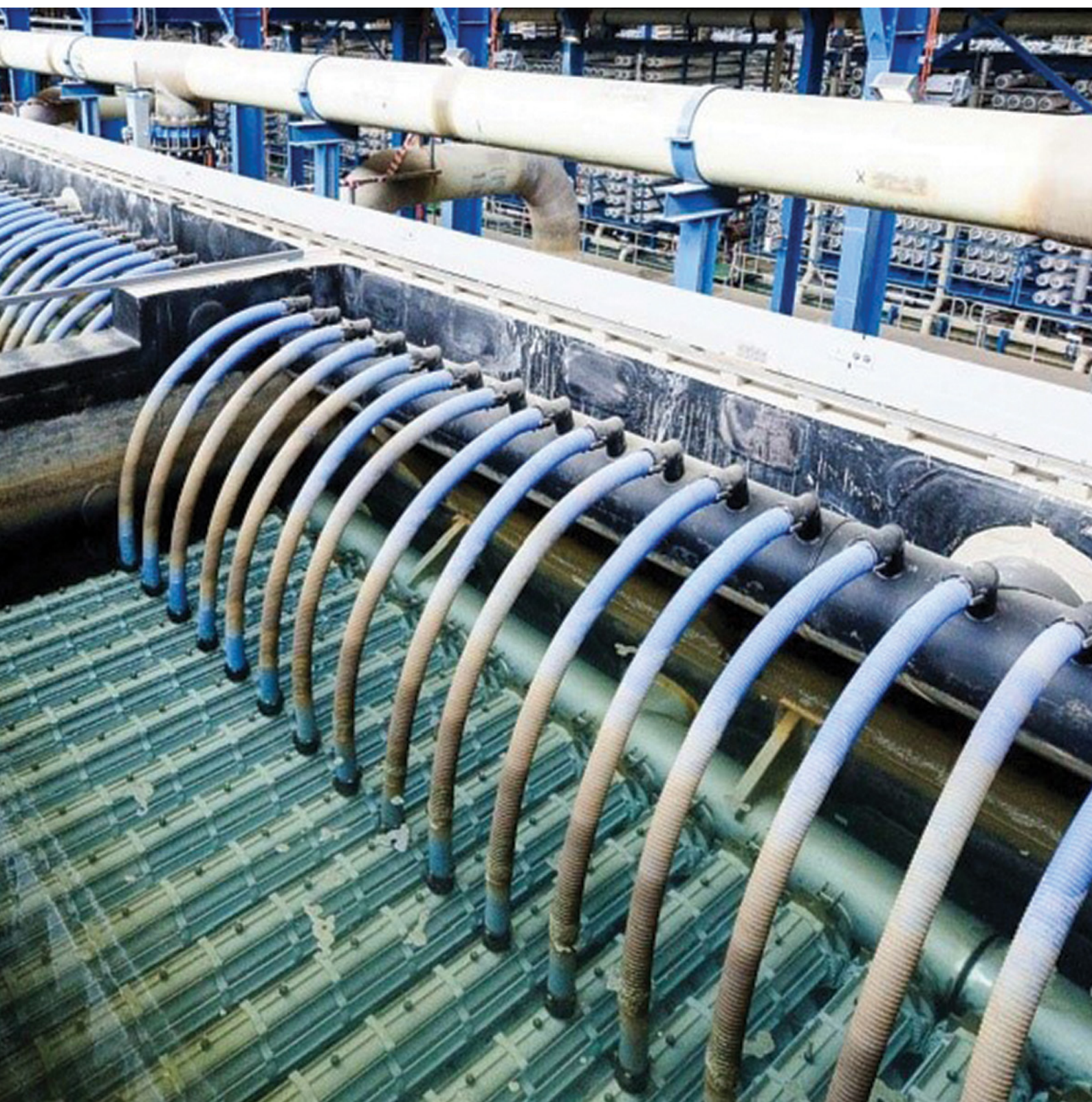


DuPont™ MemCor™ CSII Ultrafiltration Rack

Furthering Submerged Membrane Systems and Lowering
the Cost of Treated Water



Making Submerged Membrane Systems Even Better

DuPont™ MemCor™ CSII Rack takes the features of submerged membrane systems, such as: high solids handling capability; low energy use; and low footprint and makes them better.

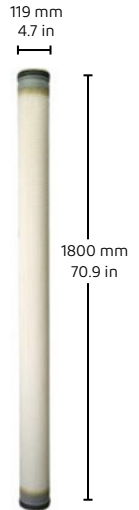
Building on over 40 years of experience in both supplying membranes and membrane systems, the DuPont™ MemCor™ CSII Rack uses: the latest enhanced PVDF UF membrane and potting that is proven in the field; a proven backwash process; and enhanced the configuration to reduce both capital and operating costs.

The DuPont™ MemCor™ CSII Rack is ideal for new installations or for upgrades to existing Filter systems or Clarifiers. By using “double ended” filtration and 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.

Proven Rack, Module and Process

The CSII rack assembly features:

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



Ability to Treat the Most Challenging Feeds

With DuPont™ MemCor™ CSII Rack, 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.



High turbidity feedwater

Large Systems Need Reliability and Low Operating Costs

The enhanced modularity of the DuPont™ MemCor™ CSII Rack enables widespread implementation – even into competitor systems – and delivers greater design flexibility. The number of modules in each DuPont™ MemCor™ CSII Rack array is variable up to 44 modules to suit almost any size tank or configuration. The ultra-compact footprint with increased modules filtration area enables designers to increase the capacity of their existing submerged system without having to add new cells/tanks.

All racks are backed by the superior technical ability, experience, application knowledge and expert resources of DuPont Water Solutions an industry leader with more than 1,800 installations and 400,000 modules in operation worldwide.

DuPont™ MemCor™ CSII Rack Features

- Proven MemCor 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 system

DuPont™ MemCor™ CSII Rack lowers the cost of water produced

- DuPont™ MemCor™ CSII Rack 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 CS membrane submerged racks, which reduces the cost of new construction
- Simplifies operations and maintenance with access to membrane modules from the top
- Scalable to meet wide range of plant capacities

DuPont™ MemCor™ CSII Rack is supplied as CSII rack assembly and a choice of MemCor L20N modules to be installed into new or existing concrete or steel structures.

Discover more about DuPont™ MemCor™ CSII Rack today and visit www.dupont.com/water to learn more.

Have a question? Contact us at: dupont.com/water/contact-us



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