Siemens Introduces Compact, Modular MEMCOR® CP II Ultrafiltration System for Industrial and Municipal Water Treatment Applications

• New modular, compact UF system minimizes footprint, reduces installation costs and simplifies system operations
• Reduces customer costs with a larger surface area module, shorter duration backwash and easy maintenance access compared to previous MEMCOR systems
• Suitable for new or major plant upgrades

Siemens Water Technologies has introduced the MEMCOR® CP II modular, pre-engineered ultrafiltration membrane system with a best-in-class, compact footprint and the latest MEMCOR PVDF membrane technology to simplify set-up, improve performance and reduce installation and operations costs.

Building on over 25 years of membrane filtration experience at more than 1,800 industrial and municipal plant installations around the world, the modular, rack-based MEMCOR CP II system reduces membrane array footprint by up to 50 percent of previous MEMCOR membrane arrays. The modular system is designed to lower installation and operations costs and is scalable to meet a wide range of plant capacities for new installations and major upgrade applications.

Up to 28 L40N-type membrane modules constructed of durable materials and reusable housings can be combined on a single MemRACK™ unit, which integrates feed, air, filtrate and waste headers into one assembly. The fully assembled, self-supporting racks are then manifolded together to form functional arrays. Piping connections on the ends of the racks further facilitate easy installation. The MemRACK array’s innovative design also optimizes hydraulics for minimal pressure loss to improve fluid distribution resulting in more stable filtration.
can fit in standard-size shipping containers for rapid deployment anywhere in the world.

The core of the CP II system is the L40N membrane module. The L40N utilizes the latest family of MEMCOR ultrafiltration membrane fibers which feature more than double the surface area of previous MEMCOR modules. Introduced in 2010, the ‘N’ fiber delivers enhanced abrasion resistance and better performance to end users.

The CP II process design significantly shortens backwash duration compared to earlier MEMCOR CP units to increase system up time and productivity. Side and top module access points, unique to the CP II system, permit in-place service which eliminates the need to remove modules for easier maintenance.

“CP II, the latest evolution in the MEMCOR product line, offers industrial and municipal plant operators exceptional value over the entire plant lifecycle,” said Russ Swerdfeger, Siemens Water Technologies global product manager. “With much smaller space requirements, faster installation, higher productivity and easier maintenance, the CP II system can be configured to meet virtually any plant capacity requirement and reduce costs.”

The MEMCOR CP II system can be supplied as a complete system or as MemRACK arrays and L40N modules only. For more information about the MEMCOR CP II system and to learn more about the CP II system and other proven and innovative water treatment solutions, visit Siemens at Water Environmental Federation Technical Exhibition and Conference (WEFTEC) booth 1431 Oct. 7-9 in the McCormick Convention Center in Chicago. For immediate CP II system product queries, contact Russ Swerdfeger at: russell.swerdfeger@siemens.com or call (719) 622-5342.

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