Next-Generation Filtration Modules

Koch Membrane Systems, Inc. (KMS) will introduce its latest evolutionary PURON™ membrane bioreactor (MBR) filtration modules at WEFTEC 2011, the 84th Annual Water Environment Federation Technical Exhibition and Conference. According to the company, the new models are characterized by:

- The PURON PSH1800 MBR offers superior solids management and reduced energy and life-cycle costs with a 10 percent lower aeration requirement and a 10 percent greater surface area than competitive products — and up to a 25 percent capacity increase from previous PURON generations. It offers 1800m2 in a 1.75 m by 2.42 m footprint, resulting in one of highest packing density, smallest footprint MBR modules available in the marketplace. In addition to the PSH1800, the company is offering the PSH300 and PSH600, both compatible with other commercial MBR systems.
- The high area PURON PSH2600 module is designed for tertiary wastewater treatment. Based on the same technology as the PURON MBR modules, the PURON PSH2600 submerged reinforced hollow fiber module features the innovation of single header design with 73 percent more membrane area than existing PURON modules. The result is a high-throughput, compact, low-operating-cost tertiary wastewater solution.
- The PURON PLUS MBR packaged system features state-of-the-art MBR technology in a skid-mounted packaged plant that provides customers with a full scope of supply, from prescreening and biological treatment through the final membrane clarification step. The pre-engineered MBR plants are available with capacities ranging from 15,000 to 200,000 GPD and offer a reduced footprint, flexible layout, and a design optimized to meet most

environmental discharge regulations.
- KMS is also showcasing its new modular PURON MBR systems that are ideal for capacities ranging from 0.2 to 2 MGD and offer a low-cost, flexible, pre-engineered MBR system — the company supports each system with process and design expertise for fast installation and startup.

www.kochmembrane.com [1]

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