

For Immediate Release

Liqui-Flux® Pressure Driven Ultrafiltration Module From Membrana

Wuppertal Germany, May 5, 2006

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Membrana, a long time leader in membrane and module technologies has developed a new innovative 12-inch ultrafiltration membrane module. It will be on display at ACHEMA 2006 in Frankfurt Germany (Hall 9.1 at booths M18-M20).

The Liqui-Flux® ultrafiltration module incorporates a hydrophilic Polyethersulfone (PES) hollow fiber membrane with an inner diameter of 0.8 mm and a MWCO of 80 kDa. The distinctive three-layer membrane morphology effectively combines the critical tasks of sustained mechanical strength and excellent flux rate with outstanding removal efficiencies. When tested side-by-side with three competitive filtration devices, Liqui-Flux Modules used less than half of the energy of any of the others to deliver the same performance.

The multifunctional 3-layer membrane structure utilizes the separation layer on the inner surface to control the filtration performance. The support layer, which is in the center of the membrane cross section, provides overall durability. The outside surface of the membrane, the protection layer, provides added strength and durability during backflushing. Membrana's patented Performance Enhancing Technology (P.E.T.®) provides further strength and consistent membrane distribution within the module by intertwining additional filaments around the hollow fibers within the bundles.

Liqui-Flux filtration modules have a compact design with an optimized hydrodynamic flow pattern and 61 m² (657 ft²) of effective filtration area. This represents one of the largest surface areas available in an ultrafiltration module today. Liqui-Flux modules provide a powerful and reliable prefiltration step for Reverse Osmosis (RO) in water treatment plants. They combine economical sensibility to both the overall capital investment and the cost of ownership.

Liqui-Flux® Membrane Modules are ideally suited for surface and drinking water filtration, municipal and industrial wastewater treatment, and pre-treatment of seawater and brackish water for RO.

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Membrana also manufactures Liqui-Cel[®] Membrane Contactors that are used for degassing liquids in various industries. New sizes and industrial variants have been introduced in the market to accompany the high purity and FDA compliant devices already proven in the field for over 15 years. Liqui-Cel Contactors will also be on display at ACHEMA. Come see us in Hall 9.1 at booths M18-M20.

Membrana is a market leader in membrane development and manufacturing. It has supplied membranes to a variety of medical and industrial markets for more than 50 years. Manufacturing facilities are located in the USA and Europe. Global markets are served through sales offices and affiliates in North America, Europe, Japan, South East Asia and China. Membrana is a wholly-owned subsidiary of POLYPORE, a growing worldwide developer, manufacturer and marketer of highly specialized polymer-based membranes used in separation and filtration processes.

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