PCI Membranes
Filtration Group®

PRODUCT & TECHNICAL SHOWCASE

Filtration & Membrane Specialists

PCI Membranes
Filtration Group®

A8 Series Module

LARGE DIAMETER MODULE

FOR THE WASTEWATER INDUSTRY

A8 Series Module

LARGE DIAMETER MODULE

The Large Diameter A8 Modules permits simple, rapid, high area and inexpensive MF and UF tubular filtration for new and existing installations in the waste water industry.

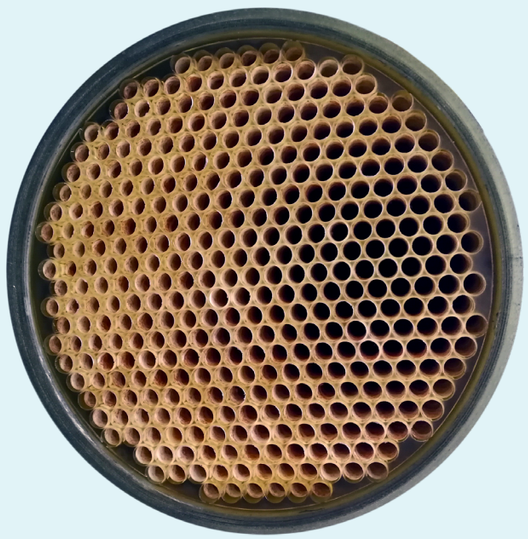
Processors today are faced with mounting pressure to reduce wastewater volumes and treatment costs. While environmental regulations and "green" politics create a demand for companies to cut effluent volumes, economics (Capex, Opex) also plays a major role.

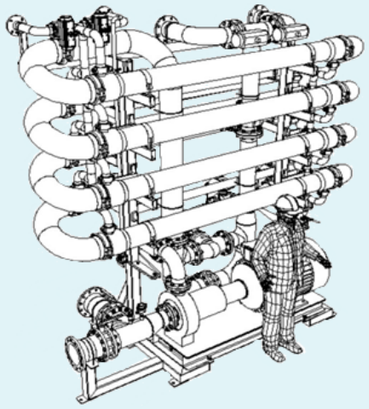
Discharge costs for wastewater are rising, as are charges for disposal and landfill of sludge generated from traditional wastewater treatment systems.
Suitable for fluids with high viscosity &/or suspended solids as their wide flow paths make them highly resistant to blocking.

Pre-treatment requirements are minimal and often completely avoided, so no prefiltration needed – benefit that renders them the most cost-effective choice for many small systems.

KEY APPLICATIONS:

- Side stream MBR
- Recovery and reuse of water from waste streams
- Leachate
- Industrial clarification
- Brine recovery
- Food industry effluents
- Metal and Mining wastewater
- Oil and gas wastewater
- Pharmaceutical wastewater
- Chemical wastewater
- Textile wastewater





KEY ADVANTAGES:

- Perfect replacement to competitor products with 27 m² and 36m² membrane area design.
- Unique offer to install tubular UF membranes with separation with a 20k Da, 100k Da, 200k Da, 450k Da or 0.2 micron separation point in an 8 inch diameter housing.
- Lower Final Sludge Production: handling and disposal cost benefits.
- Superior hygiene and practical operation: side-stream installations require a minimal mechanical pre-filtration system for the removal of 1 to 2 mm average or greater particle sizes.
- Less frequent and simpler membrane cleaning operation compared to Hollow Fibre.
- Simpler membrane maintenance: the maintenance of the submersed membranes is far more complex than that required to maintain the efficiency of a side-stream membrane: submersed membranes need to be removed from the basin with all its operational logistic, environmental consideration and messy problems.
- Optimum engineering, personal health and safety design: ability of intervening on the ultrafiltration membrane modules with minimal direct contact with the activated sludge or wastewater fluids.

Membrane Operation Limits		
Max. Operation Pressure	8 bar	
Max. Operating Temperature	49°C	
pH Range	1.5 - 10.5	
Max. Chlorine Exposure	250 ppm at pH<10,5	
Shroud-side Pressure	1 bar	
Membrane Area	27m²	36m²
Membrane Length	3m	4m

Note: it should be noted that these figures are limits. Plant should not be designed to operate on the limits

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