

CRYSTAR[®] FT CROSSFLOW MEMBRANES

FOR MARINE SCRUBBER WASTEWATER REUSE

KEY BENEFITS

VS. Al_2O_3 AND OTHER MEMBRANE MATERIALS



HIGHER FILTRATION FLOW RATES thanks to highly porous microstructure and low organic matter adsorption.



MORE ROBUST AND COMPACT FILTRATION PROCESS possible thanks to outstanding resistance against thermal & chemical attack as well as robust OD51 mm tube geometry.



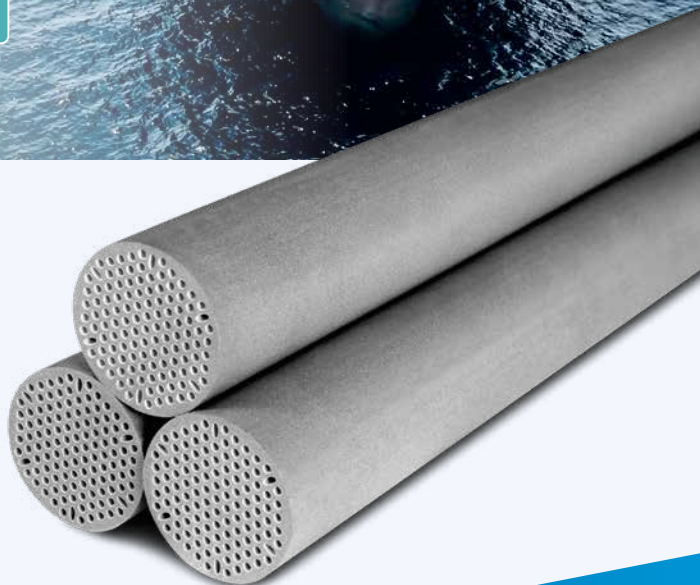
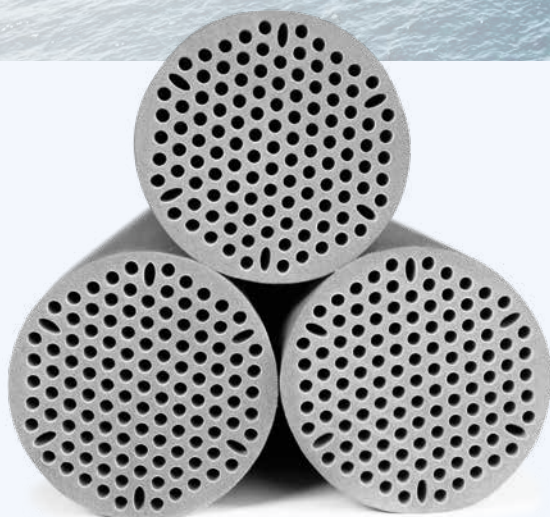
REDUCED ENERGY CONSUMPTION thanks to optimized hydraulic membrane design allowing low pressure filtration processes.



FASTER AND MORE EFFECTIVE CLEANING CYCLES possible thanks to significantly higher thermal shock resistance.



REDUCED MAINTENANCE & SAFER FILTRATION possible thanks to higher membrane lifetime as well as consistent & reliable retention efficiency.

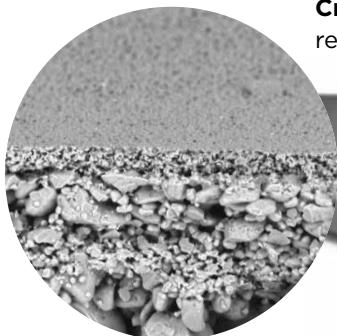


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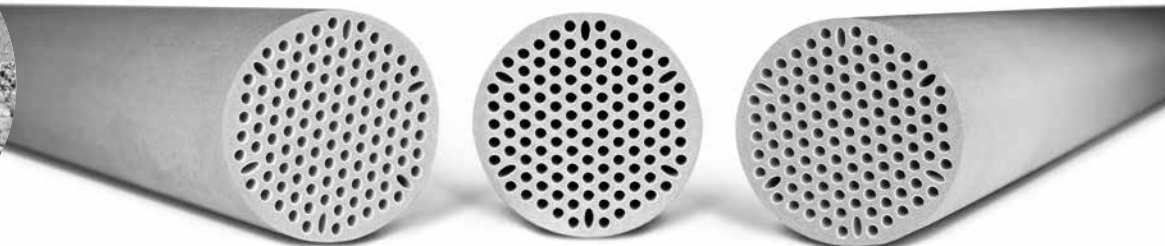
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UNIQUE PROPERTIES OF CRYSTAR® FILTRATION TECHNOLOGY

Crystar® Filtration Technology are advanced ceramic membranes made of high purity recrystallized silicon carbide (RSiC). They are characterized by:



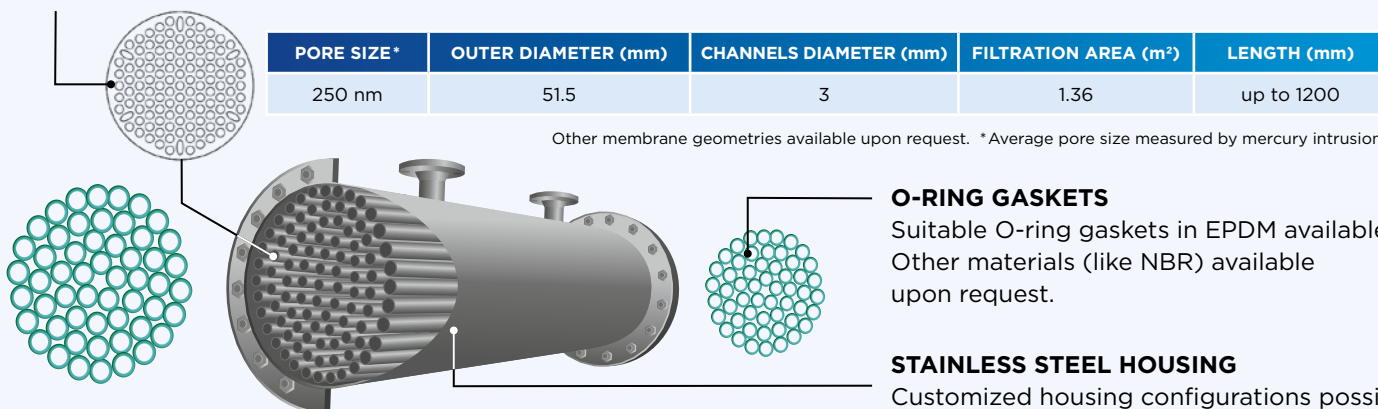
A multilayer RSiC membrane with an engineered microstructure to ensure a **RELIABLE AND EFFICIENT SEPARATION PROCESS** with an excellent balance between **RETENTION EFFICIENCY AND PERMEATE FLUX**.



A RSiC carrier material with the **HIGHEST PERMEABILITY** in the market, which enables high **PERMEATE TRANSFER** and **VERY EFFECTIVE BACKWASH** or backflush operations.

PRODUCT DIMENSIONS & INTEGRATION

CRYSTAR® FT CROSSFLOW MEMBRANES



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