



**KERASIEV®**  
Ceramic Membrane

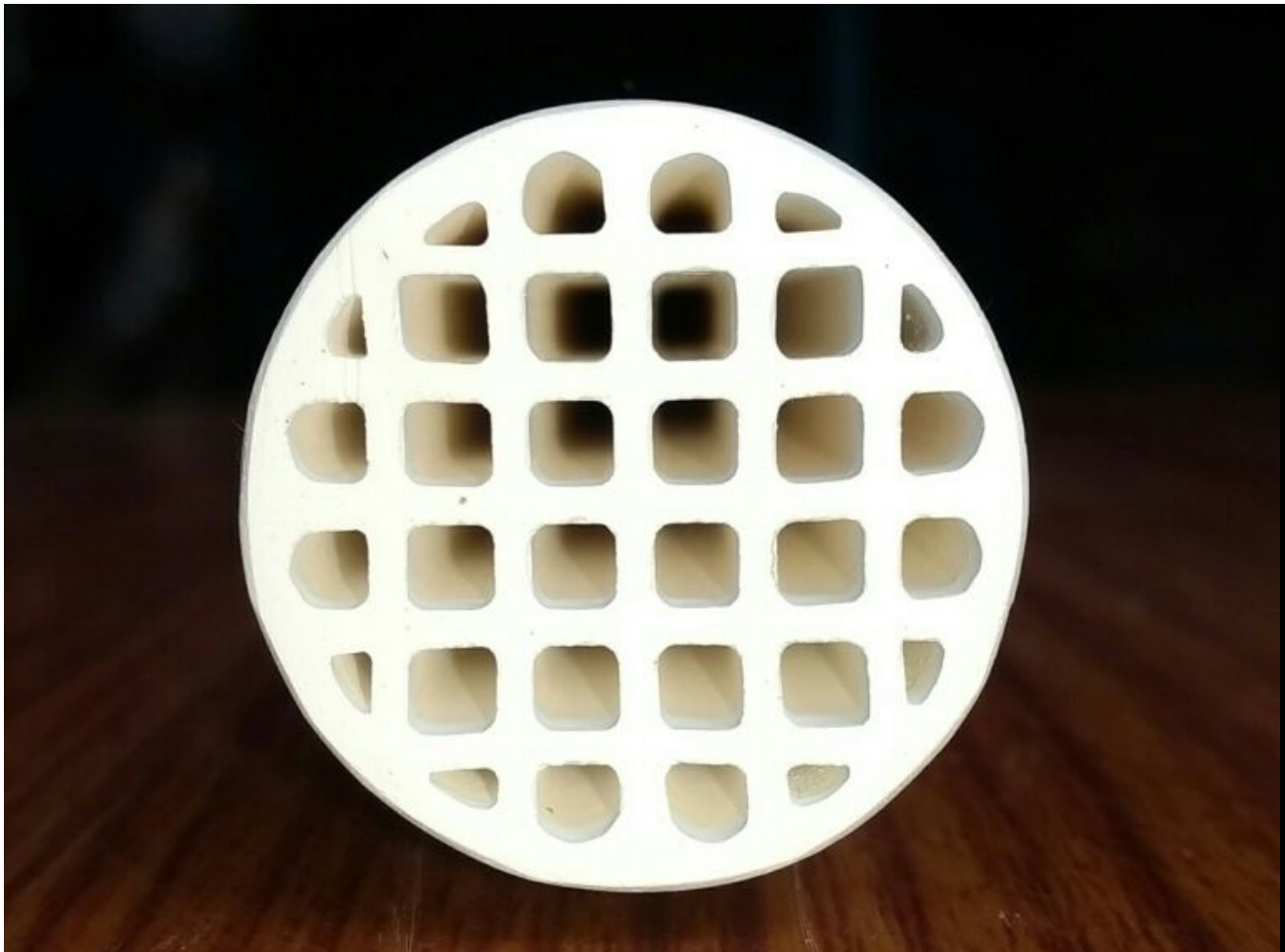
## Kerasiev® datasheet





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## Kerasiev® ceramic membranes DESIGN



Nomenclature	Ends Outer Diameter (+/-0.5mm)	Channel size Avg. (+/-0.2 mm)	Channel number	Surface area (m²)/ 1050mm length (+/- 0.5mm)
K32S	30	3.5	32	0.38



## Kerasiev® ceramic membranes

### TECHNICAL DATA



Membrane Trade Name	KERASIEV®
Material of Construction	Al <sub>2</sub> O <sub>3</sub> Base
Membrane Type	Porous Multi hole tubular
Filtration type	Cross Flow/ Dead end
Flow Direction	Inside- out operation
Nominal Pore Size (D50)	1.2 µm pore size
Clean Water Flux (@2.7bar)	800 LMH
pH- stability	1-10pH
Sealing Type & Material	Side sealing; Rubber/Silicon/Vitron 'O' ring

**All membrane designs are suitable for steam sterilization ≥ 121°C / 249.8° F.**



## Kerasiev® standard pressure vessels TECHNICAL DATA

Material	Stainless steel of diverse ranges, 304/316 and 316 L/UPVC
Filter surfaces	From 0.38 m <sup>2</sup> to approx. 14.44 m <sup>2</sup> per vessel
Pressure rating	5 bar
Max. Temperature (SS 304)	110°C
Overall length	Up to 1500 mm
Fittings	Dairy couplings / threaded fittings/flange
Sealings	Industrial design (o-ring)

## APPLICATION

ETP/STP/MBR (side stream)  
Surface/Ground water purification/polishing as TSS controller & Pathogen filtration  
Domestic & Industrial drinking water purpose  
Oil-water separation Pre-filtration for RO,UF and Softeners  
Removal of Organic/Inorganic Total Suspended solid (TSS) from sea water for desalination plant  
Cooling tower feed filtration  
Acid and basic solution filtration  
Dairy, food ( fruit juice), Beer and pharmaceutical product process/pre treatment  
Hydrolysate Protein separation  
Noble Metal recovery, oil & other liquid filtration

### NEED INOVATION

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