

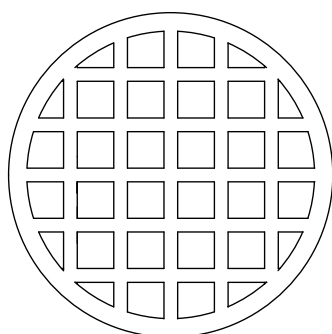


KERASIEV®
Ceramic Membrane

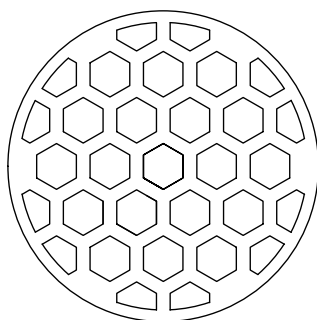
Kerasiev® datasheet



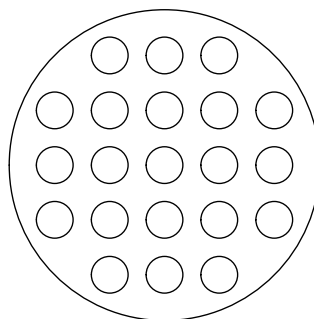
Kerasiev® ceramic membranes DESIGN



K32SM



K31HM



K21RM



K4TM



K1RM

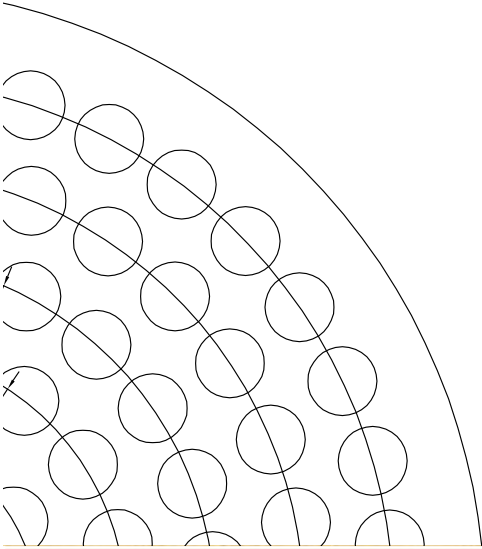
Nomenclature	Outer Diameter (mm)	Channel number	Surface area (m ²)/ 500mm length (approx)
K32SM	32	32	0.198
K31HM	32	31	0.15
K21RM	32	21	0.05
K4TM	10	04	0.018
K1RM	6 (Hollow fiber)	01	0.0054

Kerasiev® ceramic membranes

TECHNICAL DATA



Membrane Trade Name	KERASIEV®		
Membrane [M] and Substrate Material of Construction	Al ₂ O ₃		
Membrane Type	Porous Multi hole tubular		
Filtration type	Cross Flow		
Flow Direction	Inside- out operation		
Nominal Pore Size	0.03 µm pore size	0.3 µm pore size	1.2 µm pore size
Clean Water Flux per square meter filtration surface area	1m ³ /day	2.5m ³ /day	5m ³ /day
Overall length	Upto 520mm		
pH- stability	1-13pH		
Sealing Type & Material	Side sealing, Glass based membrane both end (10mm) and Vitron ‘O’ ring		
All membrane designs are suitable for steam sterilisation ≥ 121°C / 249.8° F.			



Kerasiev® standard pressure vessels

TECHNICAL DATA

Material	Stainless steel of diverse ranges, 304/316 and 316 L
Filter surfaces	From 0.19 m ² to approx. 22 m ² per vessel
Pressure rating	10 bar
Max. Temperature	110°C
Overall length	Up to 700 mm
Fittings	Dairy couplings / threaded fittings/flange
Sealings	Industrial design (o-ring)

We will also manufacture customized vessels for your particular needs.

APPLICATION

Pre-filtration for RO,UF and Softeners
Removal of Organic/Inorganic Total Suspended solid (TSS) from sea water for desalination plant
Industrial drinking purpose
Surface water polishing as TSS controller & Pathogen filtration
Cooling tower feed filtration
Acid and basic solution filtration
Dairy, food (fruit juice) and pharmaceutical product process/pre treatment
Hydrolysate Protein separation
Metal recovery

NEED INNOVATION

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