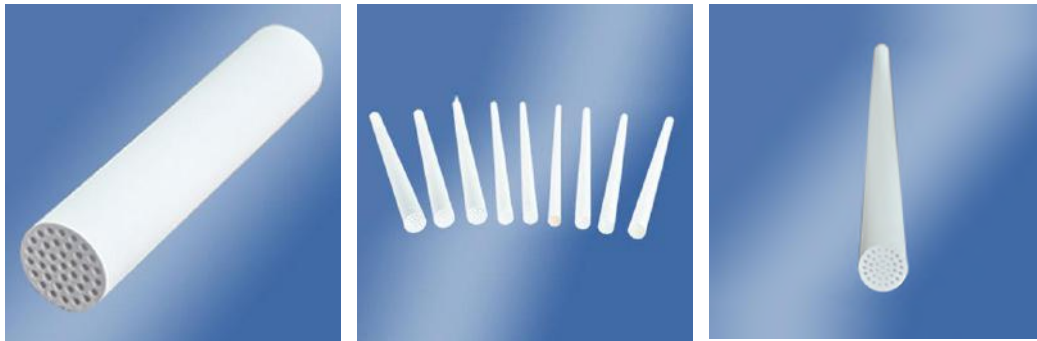


Microfiltration Ceramic Membrane Element



The ceramic microfiltration membrane element (MF membrane) is made from alumina and zirconia which is an asymmetric membrane structure with multi-channel tubular shape. The pore is on the channel. Driven by operation pressure, the liquid is running in the membrane. The part less than pore size is permeation, the part lager than pore size is concentrated liquid, so as to achieve the separation, concentration and purification purposes.



JIUWU [ceramic membrane manufacturer](#) produces the ceramic microfiltration membranes with the pore size 200nm, 500nm, 1200nm and so on. JIUWU microfiltration system made by high-quality MF membranes element will meet the requirements for your special applications.

MEMBRANE RECOMMENDATION

Pictures	Size	Pore size
	A: 3.3mm B: 25mm	200nm
	A: 4.0mm B: 30mm	1200nm 500nm 200nm

	<p>A: 6.0mm B: 40mm</p>	<p>200nm</p>
	<p>A: 3.6mm B: 40mm</p>	<p>200nm</p>

OVER VIEW OF MICROFILTRATION CERAMIC MEMBRANE ELEMENT

Ceramic microfiltration membrane is a type of physical filter element where a contaminated fluid is passed through a special pore-sized membrane to separate microorganisms and suspended particles from process liquid. The most common application of ceramic microfiltration membrane is clarification, or removal of suspended solids to produce a clear liquid. It is commonly used in conjunction with various other separation processes such as ultrafiltration and [reverse osmosis membrane technology](#) to provide a product stream which is free of undesired contaminants. Examples include clarification of whole cell broths; purification processes in which macromolecules must be separated from other large molecules, enzymes or cell debris; clarification of dextrose and highly colored fruit juices, wine and beer, during which [fruit juice membrane](#) and [beer membrane filtration](#) will be used; whey de-fatting and casein removal. Ceramic microfiltration membrane systems operate at relatively low pressures and come in a variety of configurations. They are characterized by pore size, ranging from 0.05 micron to 1 micron.

[JIUWU company](#) offers a large choice of ceramic microfiltration membranes with different geometries and cut-offs to meet your process requirements in viscosity, molecule size, impurity profile, purity and yield target, etc. as well as cleaning and sanitization procedures.

MF ceramic membrane usually serves as a pre-treatment for other separation processes such as ultrafiltration, and a post-treatment for granular media filtration. Learn more [micro filtration technology](#) here!

APPLICATION OF MICROFILTRATION CERAMIC MEMBRANE ELEMENT

- Remove suspended solid and reduce SS
- Remove proteins, polysaccharides, pigments and other impurities

- Remove bacterial
- Dehydration
- Concentration
- Reduce COD/BOD
- Membrane technology in food processing
- [Membrane filtration of milk](#)
- [Ceramic membranes for wastewater treatment](#)