






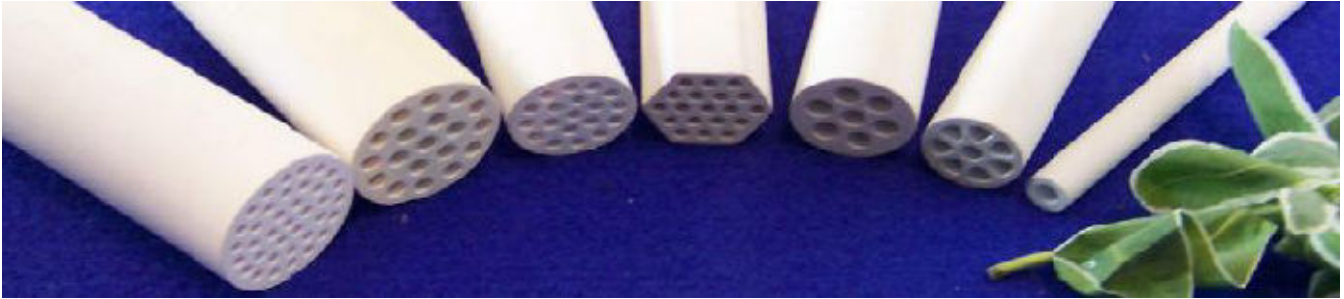










### Ceramic Modules Type


Description	Pore size	
1.ceramic membrane01070 OD12 1channel channel diameter:7.0mm length:1016mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.022m <sup>2</sup>
	50nm/20nm	
2.ceramic membrane19040 OD30 19channels channel diameter:4.0mm length:1016mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.24m <sup>2</sup>
	50nm/20nm	
3.ceramic membrane07060 OD30 7channels channel diameter:6.0mm length:1016mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.158m <sup>2</sup>
	50nm/20nm	
4.ceramic membrane 09060 OD25 9channels Channel diameter:6.0mm length:1178mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.20m <sup>2</sup>
	50nm	
5.ceramic membrane19033 OD25 19channels channel diameter:3.3mm length:1178mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.20m <sup>2</sup>
	50nm/20nm	
6.ceramic membrane37020 OD25 37channels channel diameter:2.0mm length:1300mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.30m <sup>2</sup>
	50nm/20nm	
7.ceramic membrane37036 OD40 37channels channel diameter:3.6mm length:1000mm material:a-Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> 	800nm/500nm/200nm	Area: 0.42m <sup>2</sup>
	50nm/20nm	

# Multichannel Tubular Ceramic Membrane Filter



Shape of Section	Pore size or MWCO	Outside Diameter /mm	Quantity of Channel	Channel Diameter /mm	Standard length /mm	Effective area /m <sup>2</sup>
		10	1	7.0	1016	0.02
	Microfiltration 1.4µm 0.8µm 0.5µm 0.2µm 0.1µm	25	9	6.0	1178	0.2
		25	19	3.3	1178	0.23
		25	37	2.0	1300	0.30
		30	7	6.0	1016	0.158
	Nanofiltration 1KD 0.45KD	30	19	4.0	1016	0.24
		40	19	6.0	1000	0.358
		40	37	3.6	1000	0.418

## Membrane housing

Description	Pore size	
<p>1. housing and module CMV1-30  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:1pcs  OD of membrane:30mm  length:1016mm</p>	
<p>2. housing and module CMV1-25  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:1pcs  OD of membrane:25mm  length:1016mm</p>	
<p>3. housing and module CMV7-30  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:7pcs  OD of membrane:30mm  length:1016mm</p>	
<p>4. housing and module CMV19-30  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:19pcs  OD of membrane:30mm  length:1016mm</p>	
<p>5. housing and module CMV37-30  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:37pcs  OD of membrane:40mm  length:1016mm</p>	
<p>6. housing and module CMV37-40  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:37pcs  OD of membrane:40mm  length:1016mm</p>	
<p>7. housing and module CMV61-30  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:61pcs  OD of membrane:30mm  length:1016mm</p>	
<p>8. housing and module CMV61-25  Material of body:SUS304  Material of seals:  EPDM,fluoro rubber, silicon  connector:  flange clamp whorl coupling</p> 	<p>number of load:61pcs  OD of membrane:25mm  length:1016mm</p>	

Our ceramic membrane is a porous fine ceramic filter which is sintered of Alumina, Titania or Zirconia under ultra high temperature. Ceramic membrane normally has an asymmetrical structure with porous support active membrane layer. The macro porous support ensures the mechanical resistance while the active layer functions separation ranging from Microfiltration, Ultrafiltration and even Nanofiltration (from 10<sup>5</sup>µm down to 1KD). Ceramic Membrane always runs at a CROSS FLOW FILTRATION mode. The turbid fluid goes through membrane layer inside the single channel or a multichannel at a high velocity. Driven by TransMembrane Pressure(TMP), the clean liquid with micro-molecule pass through the membrane layer vertically to permeation, the solid and big molecule is rejected in retentate.