

# PCR684-100nm Honey Comb Ceramic Membrane-Microfiltration



## Product Description

<b>Model</b>	PCR684	
<b>Serial Number</b>	1860022	
<b>Nominal Pore Size</b>	100nm	
<b>Material</b>	Membrane : Al <sub>2</sub> O <sub>3</sub> Module: UPVC or Stainless Steel	
<b>Membrane Structure</b>	Asymmetric porous multilayers, coating inside	
<b>Flow Direction</b>	From Inside to Outside	

## Dimension & Weight

<b>Element Shape</b>	Cylinder honey comb	
<b>Standard Length</b>	1016 mm	865 mm
<b>Membrane Surface Area</b>	11.3 m <sup>2</sup>	9.6 m <sup>2</sup>
<b>Membrane Dry Weight</b>	23 KG	20 KG
<b>Membrane Body Diameter</b>	OD 140 mm	
<b>Cell Inner Diameter</b>	ID 2.5 mm	

## Specification & Performance

<b>Operating Pressure</b>	5-150 kPa	
<b>Backwashing Pressure</b>	300 kPa (Max.)	
<b>Air Flushing Pressure</b>	200 kPa (Max.)	
<b>Operating Temperature</b>	5-45°C (for PVC Housing), 5-90°C (for SS Housing) ΔT<10°C/min	
<b>Operating pH</b>	0-13	
<b>Oxidation &amp; Solvent Stability</b>	Uneffected	
<b>Operating Mode</b>	Slightly Cross Flow (Close to Dead-end filtration)	
<b>Pure Water Flux</b>	800-1000LMH@1bar@25°C	
<b>Designed Flux</b>	80-250LMH	

### Membrane Characteristics

- \* Cost effective with reliability
- \* Excellent mechanical strength
- \* Highly uniform pore size distribution
- \* Acid & Caustic stability
- \* Oxidation solvent stability
- \* High permeability
- \* Long service work life up to 10 years
- \* Low power consumption
- \* Material recycling

### Chemical Cleaning

Acid : 1~3% HNO<sub>3</sub>, 40-60°C (104-140F)  
 Caustic: 1~3% NaOH, 40-60°C (104-140F)  
 Oxidant: 0.1-0.5% NaClO, 40-60°C (104-140F)

### Transportation & Storage

PCR honey comb ceramic membrane is fragile and easy to be broken, it should be handled carefully with strong foam package.

### Company Brief:

Nanjing Tangent Fluid Technology Co. Ltd (TFT) is a producer for ceramic membranes with 20 years' experience. TFT can offer microfiltration & ultrafiltration CRM membrane, PCR membrane FCM plate ceramic membrane, PV&VP zeolite membranes, membrane modules, CRP pilot units, and customized machines for separation, purification, dehydration & concentration in process industry. TFT is willing to work closely with our business partner and distributors to win more benefit. Contact us for more details.

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*Fine separation under harsh condition in process industry*