

PCR684-100nm

Honey Comb Ceramic Membrane-Microfiltration



Product Description

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

Dimension & Weight

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

Specification & Performance

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

Chemical Cleaning

Acid : 1~3% HNO₃, 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