



## AMI<sup>®</sup> Ceramic Membrane Filter & Device

AMI supply Ceramic Membrane Filter & Device to various industrial applications, such as foodstuffs, beverage, additive, bio-curatorial, aminophenol ferment, nucleic acid ferment, fine chemicals, chemosynthesis, chemical and curatorial intermediate, water treatment and environmental engineering.

### ● Advantages of the Ceramic Membrane Filter:

Good chemical stability, wide PH range, good resistance to acid, alkali, organic solvent.

Narrow aperture distributing, high separation efficiency, stable process effect.

High temperature resistance, regenerated by steam bounce-back process, steam disinfection.

Good mechanical strength, well regeneration, easily operated, long working life.

### ● Ceramic Membrane Component



Subject to the aperture, there are Microstraining pipe and ultrafiltration pipe.

Subject to the channels, there are single channel and multiple channels.

Available Membrane Aperture:

1.2  $\mu\text{m}$ , 0.8  $\mu\text{m}$ , 0.5  $\mu\text{m}$ , 0.2  $\mu\text{m}$ , 0.1  $\mu\text{m}$ , 50 nm, 20nm, 10nm, 4nm

Membrane Material:  $\text{ZrO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{TiO}_2$

Length: 240mm – 1200mm

Compression Strength: 1.0 MPa

Applicable PH value: 0—14

Applicable Temperature:  $-10^\circ\text{C} \sim 150^\circ\text{C}$

### ● Ceramic Membrane Filter Module



Including stainless steel shell and seal.

Model: 1 core, 3 cores, 7 cores, 12 cores, 19 cores, 37 cores, 61 cores, 99 cores

Shell material: Stainless Steel SUS304, SUS316L

Seal: silicon rubber, fluororubber, ethylene propylene terpolymer (EPT)

Pressure: 1.0 MPa

Available Membrane length: 240mm—1200mm

### ● Ceramic Membrane Filter Device for Small Scale Test and Pilotscale Experiment



Special Design for customer demand.

### ● Ceramic Membrane Filter Equipment



Whole solution as per customers' need.

Welcome to contact us for more details.

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