

## DED100 INORGANIC CERAMIC MEMBRANE ELEMENT

### ▶ Performance Characteristics

The ceramic membrane is a high-tech technology in the field of nano-scale separation, featuring good corrosion resistance and high temperature resistance. The filtration form is “cross-flow” filtration. Under the pressure-driven, the raw material liquid flows through the membrane tube, the small molecular components pass through the membrane, while the macromolecular components are intercepted by the membrane, thereby realizing low-temperature separation, concentration and purification of the nano-scale substances in the fluid.

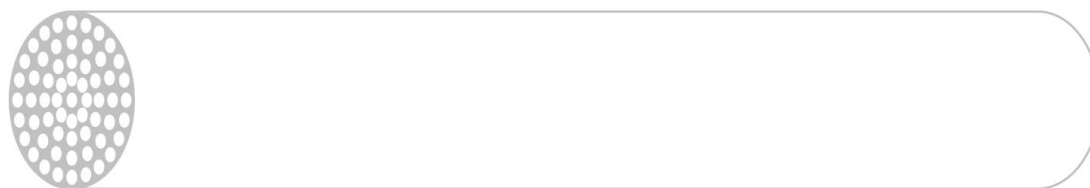
Delemil ceramic membranes cover three levels of micro-filtration, ultra-filtration and nano-filtration. The length can be customized in the range of 100~1,200mm.

### ▶ Membrane Specifications

#### Parameters of Membrane Element

Model	Outer Diameter (mm)	Channel Number (n)	Standard Length (mm)	Membrane Area (m <sup>2</sup> )
DED100	41	163	1060	1.163

### ▶ Schematic Diagram and Dimensions



Category	Aperture (nm)	MWCO (Da)	Operating Temperature	Operating PH
Ceramic Microfiltration Membrane	70-800	--	-10-150℃	0-14
Ceramic Ultrafiltration Membrane	3-30nm	2000-100000	-10-150℃	0-14
Ceramic Nanofiltration Membrane	0.9-1nm	200-750	-10-150℃	0-14

Length: It can be customized within 100-1200mm.