DEA100 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^2)
DEA100	41	19	1060	0.379

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.				