

Product Description

The MDG-2010 ultrapure water-degassing membrane contactor utilizes an advanced PTFE hollow fiber membrane that effectively removes dissolved oxygen while maintaining a minimum pressure drop. This helps prevent bubbles in the liquid from damaging the equipment. The component has a compact structure and can achieve a maximum flow rate of 2000 mL/min.

Features and advantages

- ◆ The degassing process is performed online with minimal pressure loss.
- ◆ Compact size, occupying minimal space.
- ◆ High rate of removal of dissolved oxygen.
- ◆ Ensures ultra-clean operation with no secondary pollution.
- ◆ Prolongs the life of the contactor.

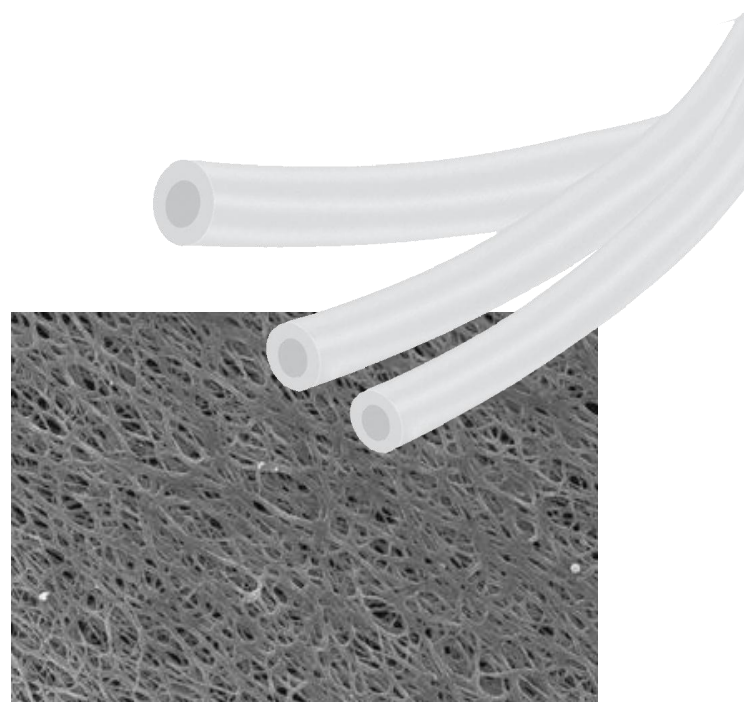
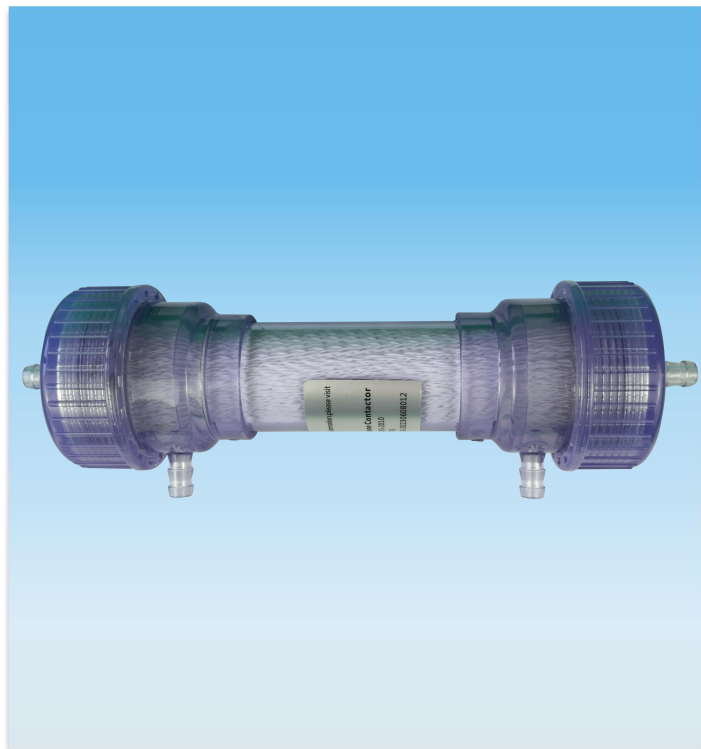
Material

Components	Material
Shell	PVC
Membrane	PTFE
Sealing ring	EPMD
Potting	Epoxy resin

Specification

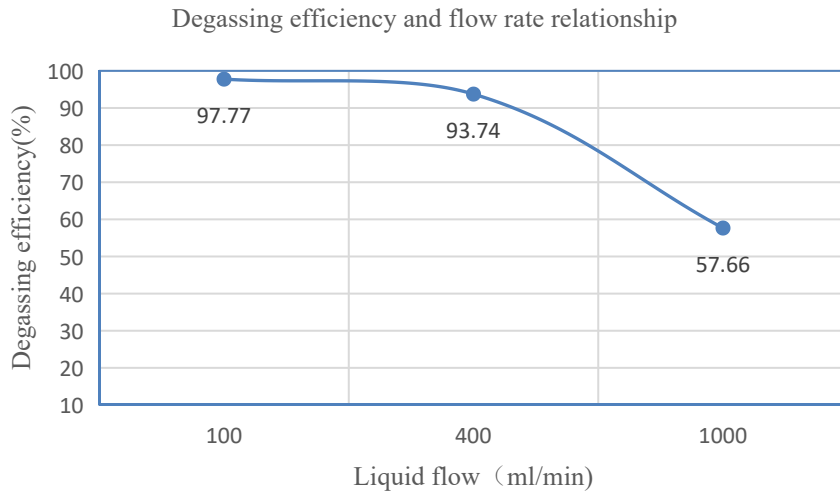
Flow rate	30~120L/H
Membrane area	0.7m ²
Interface	Φ12 mm tube
Maximum operating temperature	50 °C /122 °F
Maximum operating pressure	0.3MPa@50°C
Weight	375g
Maximum vacuum pressure	-98KPa
Save method	Dry storage

PTFE-MDG-2010 Ultrapure Water-Degassing



Three-dimensional drawing and electron microscope picture of membrane filament

Gas flux test of degassing membrane module



Note: For optimal performance, it is recommended that liquid be introduced slowly into the membrane contractor to prevent air from getting trapped inside.

Applications

- ◆ Degassing in the beverage production industry
- ◆ Degassing of laboratory water and analytical instruments
- ◆ Degassing of boiler water such as oil and natural gas
- ◆ Degassing of liquids in pharmaceutical production and manufacturing
- ◆ Degassing of biochemical pure water



Juice Oxygen Removal



Degassing laboratory water



Industrial boiler water degassing



Liquid degassing in pharmaceutical manufacturing



Removal of dissolved gases in power generation



Production cleaning for special industries

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