

## Product Description

The MDG-4510 Degassing Membrane Contactor adopts Cooperate's PTFE hollow fiber membrane weaving process to ensure great effectiveness. The membrane has a large surface area and excellent water production stability, making it capable of achieving efficient degassing at ppb levels. This component is compact and adaptable and effectively removes dissolved gases in liquids to achieve ideal degassing effects.

## Features and advantages

- ◆ Efficient online degassing with minimal pressure loss
- ◆ Compact design that occupies minimal space
- ◆ High rate of dissolved oxygen removal
- ◆ Ultra-clean with no secondary pollution
- ◆ Longer lifespan

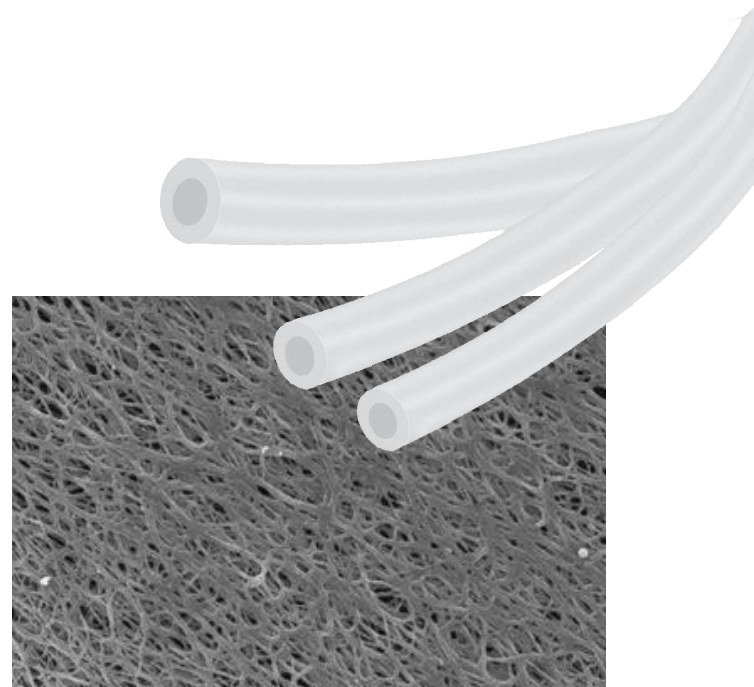
## Material

Components	Material
Shell	CPVC
Membrane	PTFE
Potting	Epoxy resin

## Specification

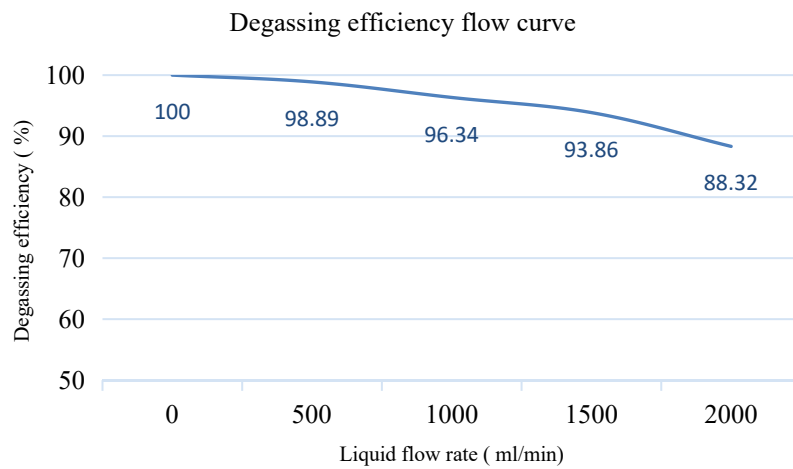
Maximum flow	2000ml/min
Membrane area	1.8m <sup>2</sup>
Interface	Vacuum interface RC1/8
	Liquid connection RC1/4
Maximum operating pressure	0.2MPa@45°C
Maximum operating temperature	45°C/113°F
Maximum vacuum pressure	-98KPa
Save method	Dry storage

## PTFE-MDG-4510 Degassing Membrane Contactor



Membrane filaments and electron microscope images

## Gas flux test of degassing membrane module



**Note:** In this test, the test fluid is 25°C pure water. The above test data is the average level curve of this type of membrane contactor, and the deviation between the individual membrane contactors and the average level is within  $\pm 3\%$ .

### Applications

- ◆ Biochemical analyzer degassing
- ◆ Degassing of laboratory water and analytical instruments
- ◆ Ultrapure water degassing
- ◆ Liquid degassing in pharmaceutical manufacturing
- ◆ Biochemical pure water degassing



Biochemical analyzer degassing



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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