

Product Description

The SDG-03 chemical solvent degassing membrane contactor has excellent chemical stability, compatibility, and resistance to various organic solvents. It also offers high flow rate and precision, is ultra-clean, and will not dissolve substances. This makes it suitable for degassing various solvents. It helps reduce the frequency of replacement of degassing components and shortens equipment downtime, which ultimately reduces waste and greatly improves the quality of customer products.

Features and advantages

- ◆ Super clean with no dissolution or secondary pollution
- ◆ High flow rate and precision with efficient degassing
- ◆ Long service life
- ◆ Small size, taking up minimal space

Material

Components	Material
Shell	SS316L
Membrane	PTFE
Sealing ring	EPMD
Potting	Fluorine resin

Specification

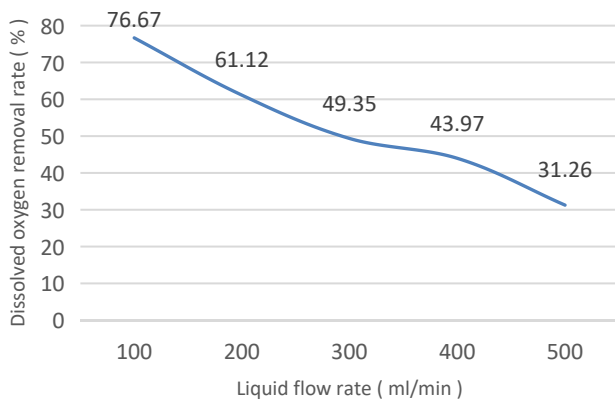
Flow range	0-500mL/min
Product size	Φ102*260 mm (excluding connector)
Interface	Liquid interface PFA-1/4
	Vacuum port Rc1/8
Maximum operating temperature	40°C
Maximum operating pressure	0.3MPa@40°C
Structure	Internal pressure type, liquid in the tube, Shell side vacuum
Maximum vacuum pressure	-98KPa
Save method	Dry storage

PTFE-SDG-03 Degassing Membrane Contactor



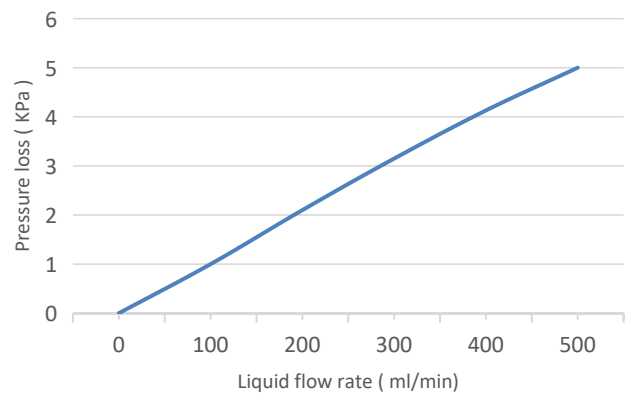
Membrane 3D drawing

Flow rate and degassing efficiency curve



Note:The test fluid is pure water at 25° C, and the pressure is -98 kPa. The contactor's degassing efficiency data represent the average performance curve of this type of membrane contactor. Each individual membrane contactor may deviate from the average level by up to $\pm 3\%$.

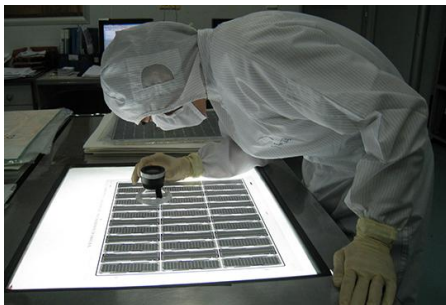
Flow and pressure loss test curve



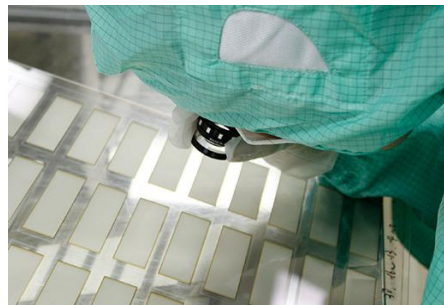
Note:In this test, the test fluid is 25% pure water. The average level curve of this model's membrane contactor is illustrated in Figure. The average level deviation is within $\pm 3\%$. Test conditions: The outlet pipe is not under pressure. Test for pressure loss.

Applications

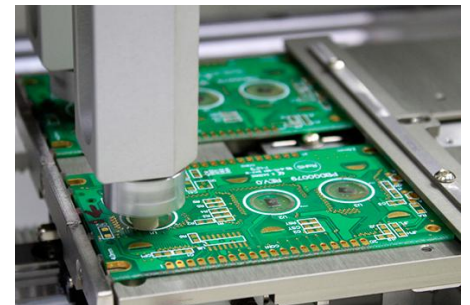
- ◆ Liquid degassing in the semiconductor manufacturing process
- ◆ Liquid degassing in solar cell manufacturing process
- ◆ Acid and alkali liquid degassing and degassing in special industries



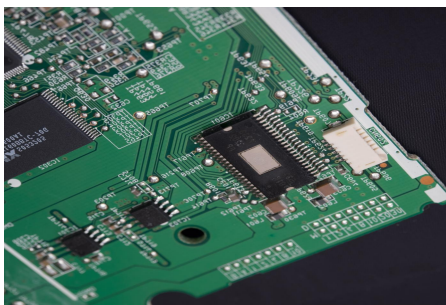
LCD manufacturing



Degassing of liquids used in LCD manufacturing



Degassing of liquids used in semiconductor manufacturing



Liquid defoaming in semiconductor manufacturing



Liquid degassing in solar cell manufacturing process



Degassing and defoaming of acid and alkali liquids in special industries

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