



PEIER Membrane
Stock Code:836744

www.chinapeier.com



**Professional Manufacturer of
MBR Flat Sheet Membrane**

Membrane Bioreactor



Participant of Industry Standard of HY/T 252-2018 Submerged flat membrane element for water treatment

PEIER

JIANGSU PEIER MEMBRANE CORP.,LTD

Company Profile

Jiangsu Peier Membrane Corp. Ltd. (stock code: 836744) was founded in 2007, focusing on the research and development, production, manufacturing and service of MBR flat membrane products as one of the national high-tech enterprises. Peier Membrane industry always adhere to the domestic and foreign well-known universities such as Tsinghua University, the University of Sydney, Nanjing University of Technology, Changzhou University, Jiangnan University and other research and development and cooperation, is the national industry standards and standards of the editor-in-chief unit.

Peier Membrane flat membrane has been widely used in industrial wastewater treatment and recycling projects at home and abroad, including pharmaceutical, mining, electronics, chemical, washing and other industries; At the same time, it is also applied to scattered unattended domestic sewage treatment projects, such as new rural areas, expressways, holiday villages, tourist areas, etc.

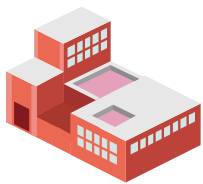


Peier Membrane Production Base



Peier's listed on "New Third Board" Successfully

Applications



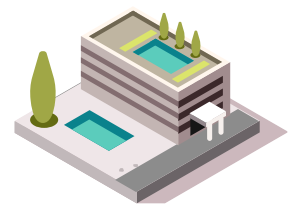
Factory



Villa



Downtown



Mansion



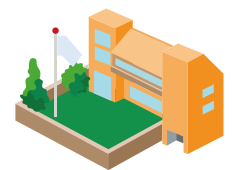
Hospital



River



Living quarters



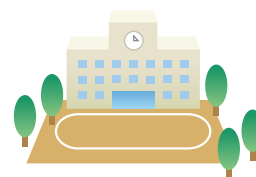
Canteen



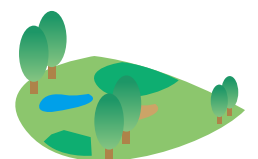
Community



Junkyard



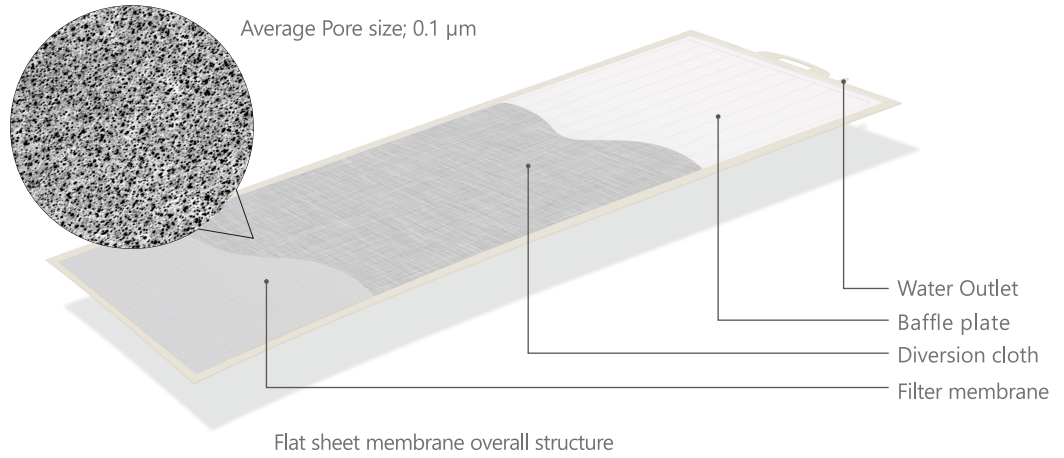
School



Wasteland

► MBR Flat Sheet Membrane

ML200810235358.7: Standard [B]
ML200810243970.9: Industrial [H]

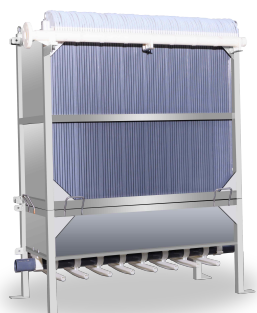


1. PEIER [®] flat sheet membrane using PVDF as raw material, has good chemical stability, anti-pollution and mechanical strength, in today's water treatment industry has been widely used;
2. There are different models available: 0.8m², 1.0m², 1.5m² and 1.5m² (double nozzles).

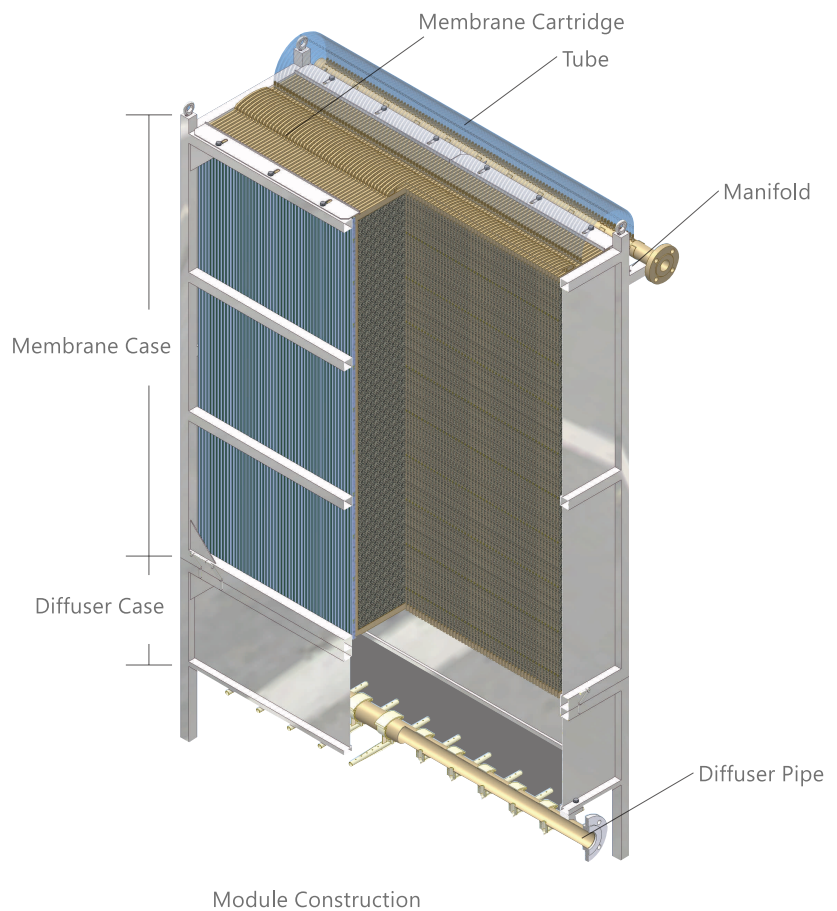
► Flat Sheet Membrane Module



PEIER [®] 3S Membrane Module



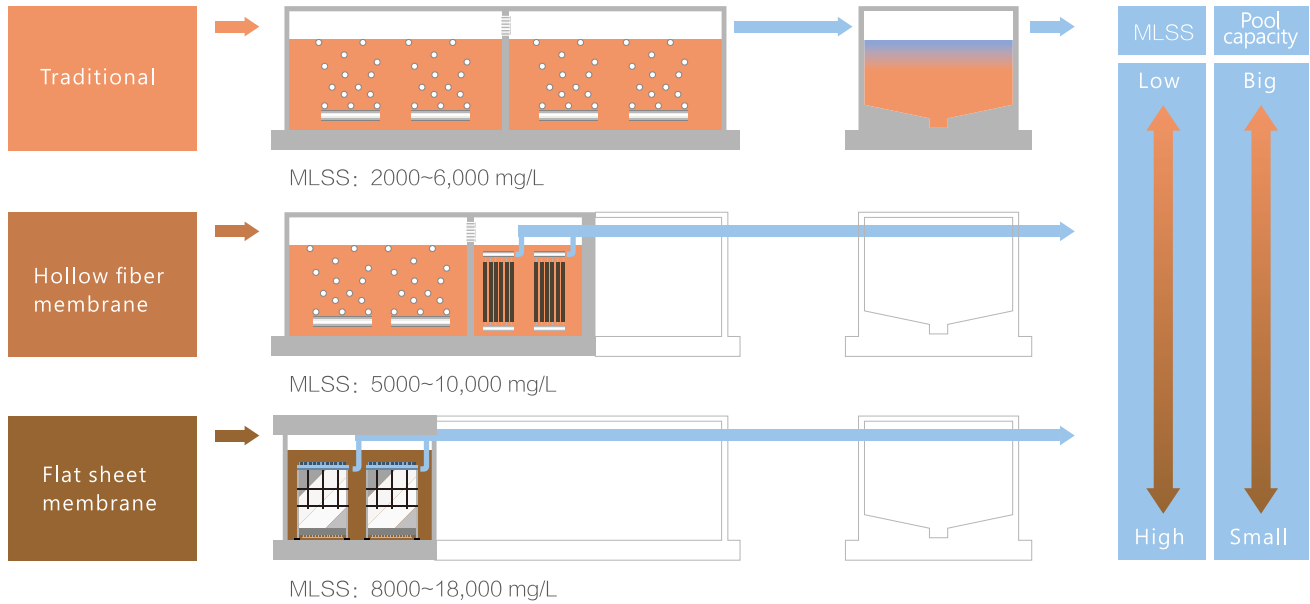
PEIER [®] Standard Membrane Module



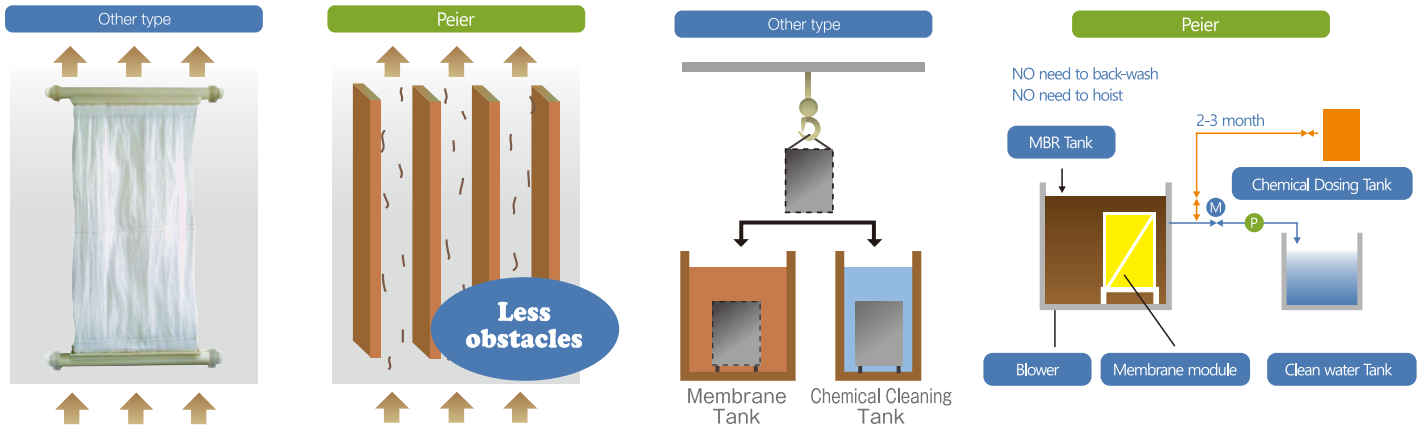
▶ PEIER® Flat Sheet Membrane Technical Features:

1. Activated sludge and membrane bioreactor (MBR)

The MBR is essentially an activated sludge (AS) system. The AS process uses a gravity clarifier to separate solids. The MBR membrane process uses this function, which greatly demonstrates the many advantages associated with footprint, system control and water quality



▶ Features of Peier MBR System



1. Simple Structure:

The flat plate structure of the Membrane Cartridge presents fewer obstacles to scouring flow than a hollow fiber membrane structure. Screening residues such as coarse solids and fibers are less likely to be tangled within the PEIER Submerged Membrane Unit, which will reduce the need and frequency of chemical cleaning.

2. Simple Chemical Cleaning:

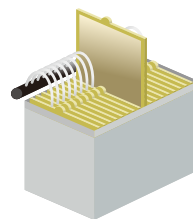
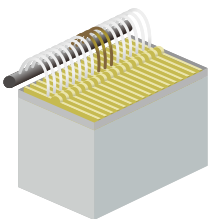
Chemical cleaning of the PEIER Submerged Membrane Unit® is done in-situ with chemicals such as sodium hypochlorite for organic fouling and oxalic acid for inorganic fouling. Since the Membrane Units do not need to be transferred to a separate chemical cleaning tank, the Peier MBR System results in significant resource and labor-hour savings.

3. Simple Diagnosis:

You can easily locate a damaged Membrane Cartridge by lowering the water level in the tank and visually checking the individual transparent permeate tubes; there is no need to drain the tank or inspect the entire Membrane Unit.

4. Simple Replacement

Since Membrane Cartridges can be individually removed, you do not need to replace the entire Membrane Case or remaining functional cartridges.



Specification :Flat Sheet Membrane Elements

Membrane Elements Type		MF-F-0.8-PVDF	MF-F-1.0-PVDF	MF-F-1.5-PVDF	MF-F-1.5 II -PVDF
Effective Membrane Area m ²		0.8	1.0	1.5	1.5
Size :L * W * T(mm)		1030 × 490 × 7.5	1190 × 518 × 7.5	1780 × 490 × 7.5	1780 × 510 × 7.5
*Design Flux (L/pcs/day)		320~480	400~600	600~900	690~1035
Membrane Material Component	Membrane Materials	PVDF+PET			
	Membrane Pore Size (μm)	0.1			
	Frame	ABS			
Aeration Volume (L/pcs/min)		8	10	12	
The weight of the (kg)		3.2	3.6	5.8	5.8
Effluent Turbidity (NTU)		≤ 1			
Effluent Suspended Solids(SS) mg/L		≤ 5			

Remarks:

- 1.Design flux parameters in the table were tested in the treatment of urban domestic wastewater at 25° and operation pressure -10kpa with a single panel of membrane.Tested method is execution the standard of submerged flat membrane element of water treatment in China.
- 2.The flux of wastewater from different sources may vary greatly, which needs to be fully tested for different users.Generally, the design of domestic wastewater is between 400 ~ 500 L / m² / day. Please contact our engineers for industrial wastewater.
3. PPEIER also has 0.1m² or 0.25 m² for pilot testing use. Please contact us for further details.

Lifting Weight of MBR Flat Membrane Modules

Membrane Module Type	Module	Dry Lifting weight	Wet Lifting Weight
PEIER80-100	0.8m ² /100pcs	500	850
PEIER80-150	0.8m ² /150pcs	650	1175
PEIER100-100	1.0m ² /150pcs	550	950
PEIER100-150	1.0m ² /150pcs	800	1400
PEIER100-200	1.0m ² /200pcs	1100	1900
PEIER150-100	1.5m ² /100pcs	800	1300
PEIER150-150	1.5m ² /150pcs	1200	1950
PEIER150-200	1.5m ² /200pcs	1600	2600

Remarks: This table shows the membrane module weight when work lifting during weight or dry situation include the all accessories.

Cooperation with Well-known Enterprises



日产汽车



Website



Wechat

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