

Poreflon Oil separator

Features

[Reusability]

Degreaser can be reclaimed and reused, reducing the amount that needs to be replaced.

[Reduced industrial waste]

Waste disposal costs can be reduced by reducing the amount of degreaser discarded.

[Reduced environmental impact]

Reducing the amount of industrial waste and recovering degreaser reduces the environmental impact of your facility.

[Improved yield]

Reducing the introduction of suspended solids and oil to the post process helps improve product yield.

[Advanced treated water quality]

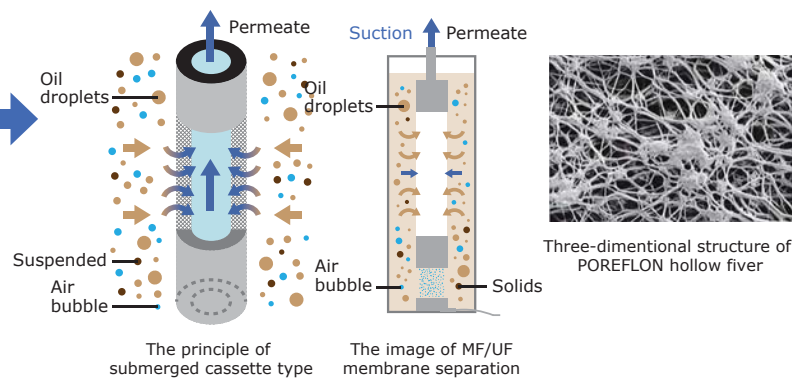
The advanced treatment capability achieves a mineral oil content less than 5 mg/L. And water can be treated to very high levels.



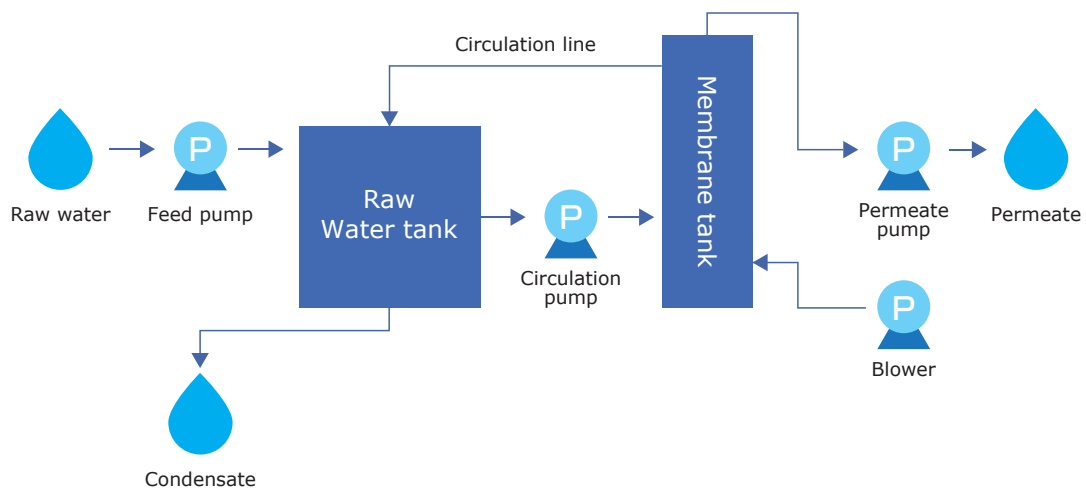
The degreasing solutions(Alkali solutions)

- 1.To reduce the cost for the degreasing solution with less replacement.
- 2.To reduce the cost for wasting the solution by concentrating it.
- 3.To improve the yield of products by cutting TSS and O&G.

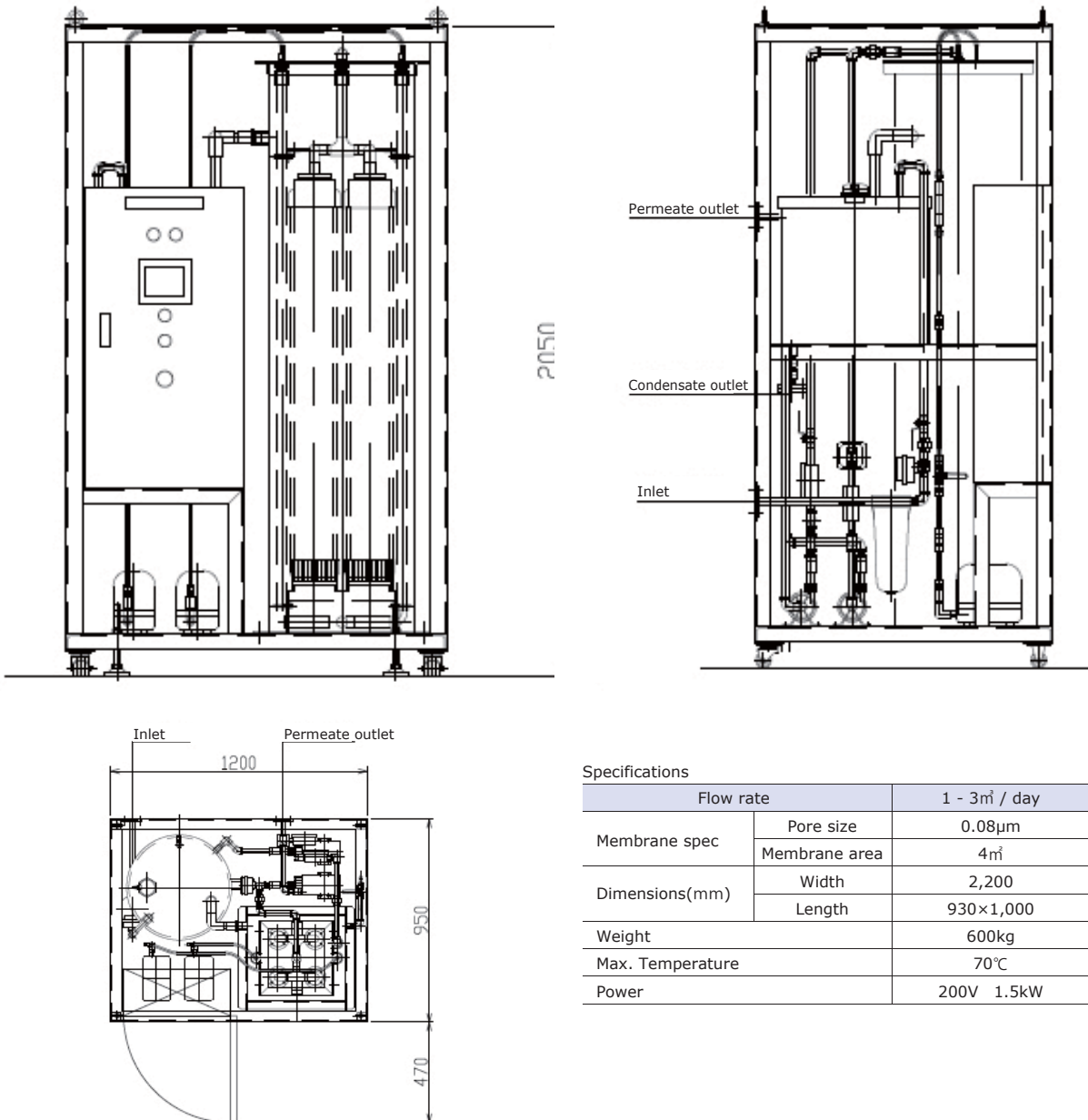
Using PTFE (polytetrafluoroethylene), which is high in chemical resistance, heat resistance and durability, we have developed a porous separation membrane making the best of our unique processing techniques and produced POREFLON™ Module as a MF/UF membrane module for a water treatment system.



Basic flow of Poreflon Oil Separator



The drawing sample of oil separator



Specifications

Flow rate		1 - 3m ³ / day
Membrane spec	Pore size	0.08μm
	Membrane area	4m ²
Dimensions(mm)	Width	2,200
	Length	930×1,000
Weight		600kg
Max. Temperature		70°C
Power		200V 1.5kW

Case study

<The degreasing solutions for Automotive manufacturing company(pH13)>



Raw water



Permeate

(Water quality)

Items	Unit	Inlet	Outlet	Remarks
TSS	mg/t	430	≤2	Shall be removed
Mineral oil		820	<5	Shall be removed
Animal & vegetable oil		260	210	Shall be penetrated

(for degreasing)

Specifications are subject to change without notice.



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