

# FilONE-HS50

## Ultrafiltration Modules

FilONE-HS50 is a UF for inside-out filtration made of PES (polyethersulfone) material and is an improved product of the HC series. It has a sponge-shaped porous structure that makes it possible to secure a high permeation flow rate and 4log ( 99.99%). It has an excellent exclusion performance.



### Product

<b>Filtration process</b>	Inside to Outside	<b>Pore Size</b>	0.03 micron
<b>Fiber Dimensions</b>	ID 0.8 / OD 1.4 mm	<b>Membrane Area</b>	53m <sup>2</sup>
<b>Size</b>	262mmOD x 1,742mmH		

### Performance

<b>Filtrate Flow</b>	2.1~5.3 m <sup>3</sup> /h	<b>Filtrate SDI</b>	≤ 2.5
<b>Turbidity</b>	≤ 0.1 NTU	<b>Operating Mode</b>	Dead-end or Cross-flow

### Operating conditions

<b>Filtrate Flux Range</b>	40~100 LMH	<b>Max. Applied Feed Pressure</b>	3 bar
<b>Max. Trans Membrane Pressure</b>	2 bar	<b>Max. Feed Turbidity</b>	20 NTU
<b>Max. Operating Temp.</b>	40°C	<b>pH Range</b>	2~11

### Main purpose

It can be applied to various pre-treatment systems such as thermal power and nuclear power plants, various water purification processes (water, beverages, food), sewage and wastewater reuse processes, seawater desalination processes, and other pure water applications.

The above conditions may vary depending on the situation

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