

# FilONE-HMS1017

Ultrafiltration Modules

FilONE-HMS1017 is an UF for outside-in filtration made of PES (polyethersulfone) material. It has high permeability even at low pressure due to its own spinning technology. It also has a high backwash efficiency as it has an asymmetrical structure with an external dense layer and an internal porous structure.



## Product

<b>Filtration process</b>	Outside to Inside	<b>Pore Size</b>	0.05 micron
<b>Fiber Dimensions</b>	ID 0.9 / OD 1.5 mm	<b>Membrane Area</b>	50m <sup>2</sup>
<b>Size</b>	235mmOD x 1,824mmH		

## Performance

<b>Filtrate Flow</b>	2.0~6.0 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>	40~120 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.