

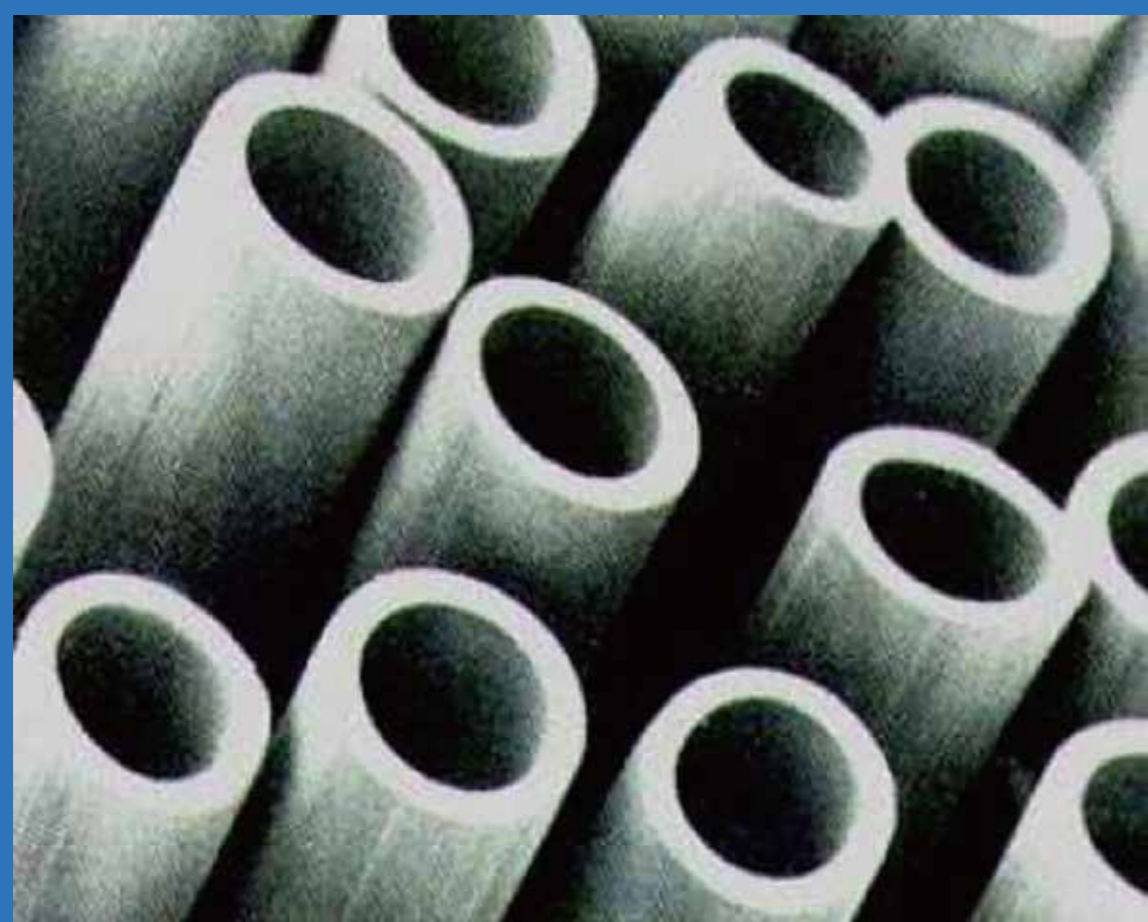
# Polyethylene (PE) hollow fiber membrane STERAPORE™

STERAPORE™ is a hollow fiber membrane (HFM) made of PE, which has excellent flexibility and durability, and enables thoughtful equipment design.



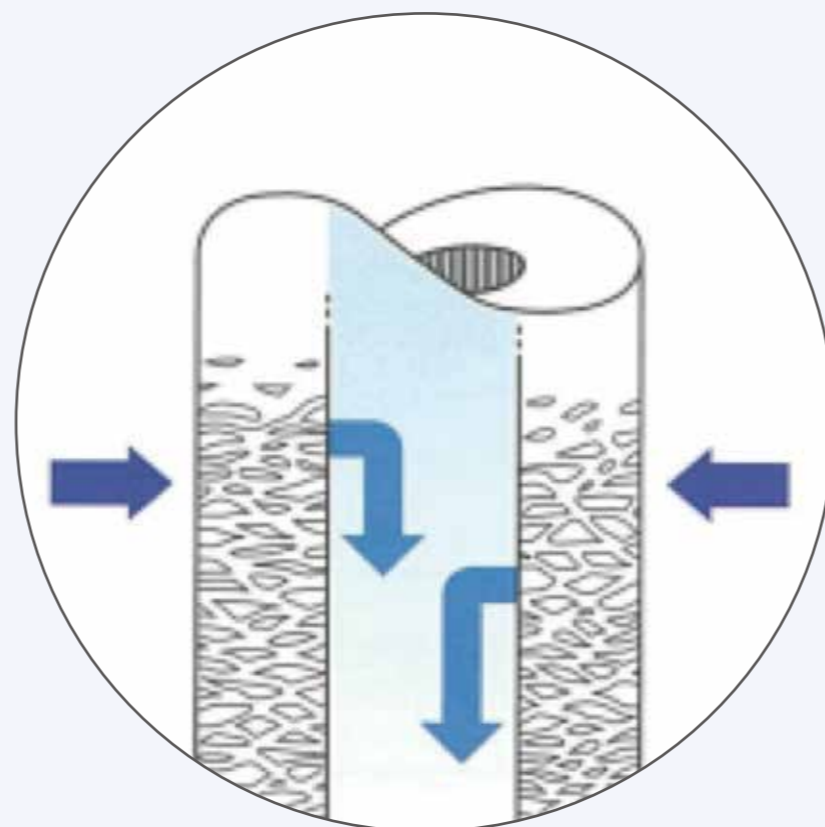
## Features

Image of HFM



300~500μm

Section Image



Surface Image



1μm

PE  
membrane

### Precise solid-liquid separation

: Captures fine particles with multiple structure

### Hygienic and safe membrane

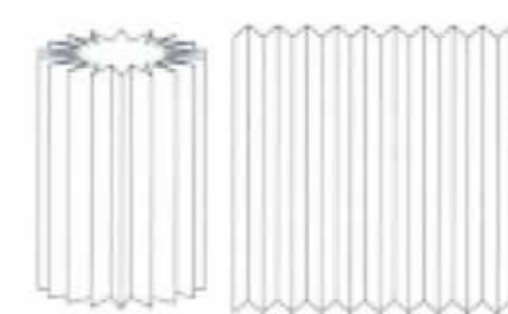
: High purity, 100% polyethylene

## Membrane filter

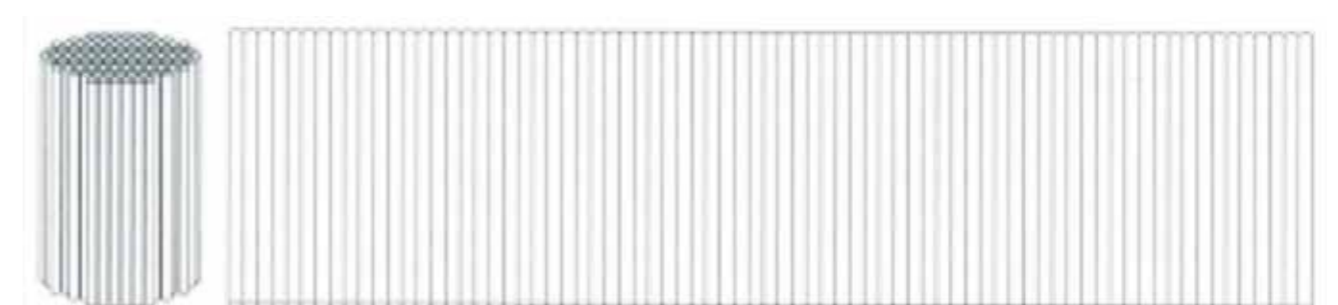
- (1) Volumetric efficiency
- (2) Long life
- (3) High flow rate



Flat filter



Hollow  
fiber  
membrane



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## Our HFM Position

Size	Objects	Separation Method and applications
<b>Ion · Low molecular weight</b> 0.1nm 0.2nm 0.5nm	H <sub>2</sub> O Na <sup>+</sup> Ca <sup>2+</sup> Cl <sup>-</sup> OH <sup>-</sup> glutamic acid Sucrose	<b>Reverse osmosis RO</b> Seawater desalination Ultrapure water production
<b>Colloid</b> 2nm 5nm 0.01μm 0.02μm 0.05μm 0.1μm 0.2μm 0.4μm	Lysozyme serum albumin γ· globulin polio virus, Japanese encephalitis Brevundimonas diminuta	<b>Ultrafiltration UF</b> Food industry
<b>Fine particle</b> 0.5μm 1μm 2μm 5μm 10μm	Latex emulsion Vibrio cholerae, Salmonella typhi Escherichia coli Staphylococcus Cryptosporidium Giardia Echinococcus	<b>Micro filtration MF</b> Particulate removal RO, UF pre-processing Ion exchange pre-processing Chlorella concentrate Sterile water production <b>General filtration</b>

### Applications

Water treatment filter for medical and dental equipment



Dental unit etc.



Endoscope cleaning equipment,  
Medical hand wash equipment etc.

We also have products for **air filtration** and **degassing modules**.