



FilCORE
CORPORATION

Of Clean water
By Water Purifier
For Drinking water

FILCORE CORE VALUE



Fulfilment

Integrity

Loyalty

Creativity

Opportunity

Reliability

Efficiency

FILCORE HISTORY

2007 | FOUNDATION

"FILCORE CO., LTD."

2010 | PATENT

No. 10-2008-13448

No. 10-2008-0051065

'Poly-Surfone Hollow Fiber
Membrane with prominent LP &
Potting System'

2015 | ISO

ISO 9001 Certified by ICR

ISO 14008 Certified by ICR

Registration No. Q470910

2020 | EXIBITION

Participated Exhibition Aquatech
Amsterdam 2019

2023 | NSF

NSF/ANSI Standard 42

Certified for UF

element/Module(renewal)

No.C0582032-01

| EXIBITION

Participated Exhibition Aquatech
Amsterdam 2023

2024 | Completed

Antimicrobial membrane
development 2024

FEATURES OF FIBER MEMBRANE



Prominent Pore Distribution

- Pore Size - MF : Nominal 0.1 μ m
UF : Nominal 0.02 μ m
- Perfect Bacteria and Virus removal
- Porous Membrane
- Longer Life-time



Superior Hydrophilic Property

- Low Fouling by Hydroplaning

Strict Quality Control

- 100% Particle Challenge with Laser Counter.
- Low fouling & longer life-time by superior hydrophilic & porous property.

Main Material : Poly-Sulfone (P.S.)

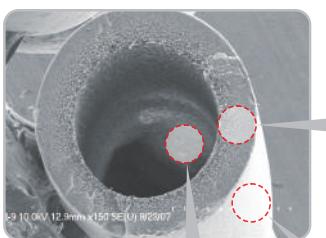
- Safe & High Performance Material.

NSF/ANSI Standard 42

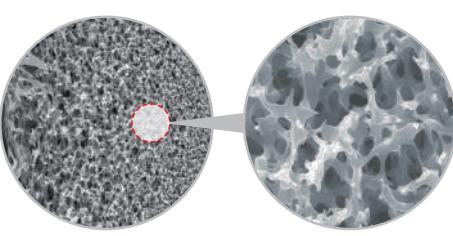
- Officially certified for public health & safe hygiene.

THE STRUCTURE AND THE FEATURES OF FILCORE MEMBRANES

Cross Section (1)



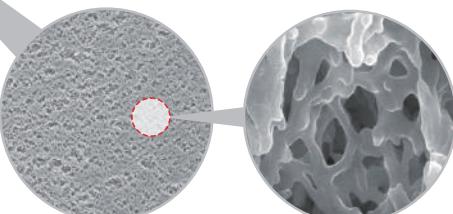
Cross Section (2)



SEM x10,000



Inside View (x1k)



Outside View (x1k)



SEM x50,000

- Skin layer of sufficient thickness
(The thickness of filtration layer : about 10~15 μ m)

- The direction of filtration
(Outside \rightarrow Inside)

- Secured the maximum number of pores.

- Distribution of small and uniform pores entwined in complex and diverse structure.

FEATURES OF PRODUCT



- Hollow Fiber for In-Line Filter.
- Various Sizes & Designs .
- Reliable Quality & Supply .
- The Low Cost Alternative to RO!
- No Waste of water.
- No pumps, No additional pressure.
- Including 'Air-Vent' to Element.

MF/UF MEMBRANE

| MF Membrane



| UF Membrane



	MF	UF
Fiber OD/ ID (μm)	590/390	460/300
Bacteria Elimination	Log 4 & Log 6	Log 7
Virus Elimination	X	Log 3
Turbidity		99% ↑

MF/UF MEMBRANE MODULE _ MODULE SPECIFICATIONS



	MF	UF
Surface Area	0.24~0.46m ²	0.49m ²
Hollow Fiber Size	590	460
	390	300
Length	188~276mm	

Spec. can be change on extension option



	MF	UF
Surface Area	0.24~0.46m ²	0.49m ²
Hollow Fiber Size	590	460
	390	300
Length	168mm	

Spec. can be change on extension option



	MF	UF
Surface Area	0.10~0.18m ²	0.25m ²
Hollow Fiber Size	590	460
	390	300
Length	70, 85mm	

Spec. can be change on extension option

MF/UF MEMBRANE MODULE _ MODULE SPECIFICATIONS



10 Inch Cartridge

	MF	UF
Surface Area	1.4m ²	1.5m ²
Hollow Fiber Size	590	470
	390	280
Case Length	250mm	

10Inch Cartridge



20 Inch Cartridge

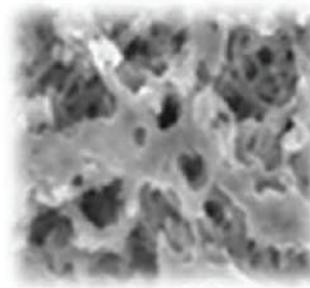
	MF	UF
Surface Area	4.2m ²	4.5m ²
Hollow Fiber Size	590	470
	390	280
Case Length	520mm	

20Inch Cartridge

SHOWER FILTER



VS



Sediment Filter

Microfiber Sediment
filter section

Hollow Fiber Filter

millions of Micropores
hollowfiber membrane section

O

Impurifies

O

X

(Pathogenic)
Bacteria

O

X

Microplastic

O

NSF International

RECOGNIZES

Filcore Co., Ltd.

Korea, Republic of

AS COMPLYING WITH NSF/ANSI 42 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
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ANSI
NSF Standard Program
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Richard Andrew

July 2, 2012
Certificate# C0070416 - 01

Richard Andrew, General Manager
Drinking Water Treatment Units

Certificate of NSF



Certificate of ISO 14001



Certificate of ISO 9001



Certificate of promising Export Firm