

F-cap

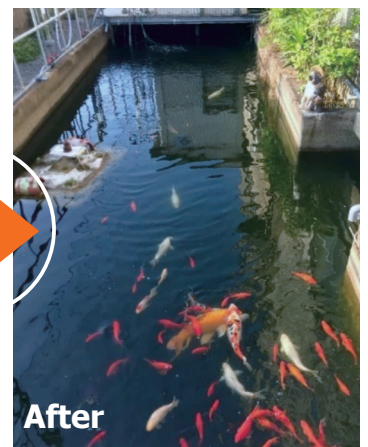


High performance Fiber Filtration with Unique mechanism



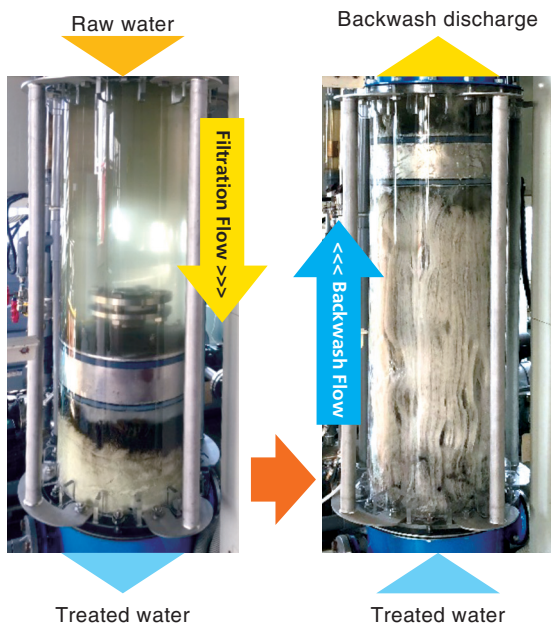
Turbidity removal :

- Widely usage as filtration for various types of water treatment.
- For alternative method of sand filtration.



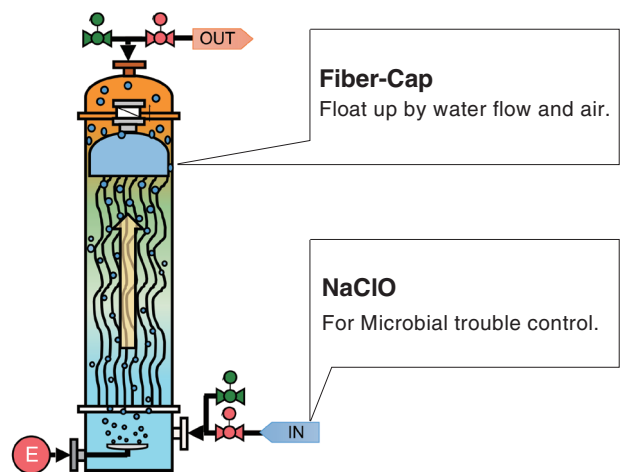
- ◆ Purification for pond and lake etc.
- ◆ Waste water treatment, water recycle.
- ◆ Pre-treatment of RO system.
- ◆ Aquaculture / Fish farming, Industrial water purification.

Mechanism



Backwash

The solids trapped in the fibers is effectively discharged as the fibers vibrate in the back wash water flow and bubble.



● Specification

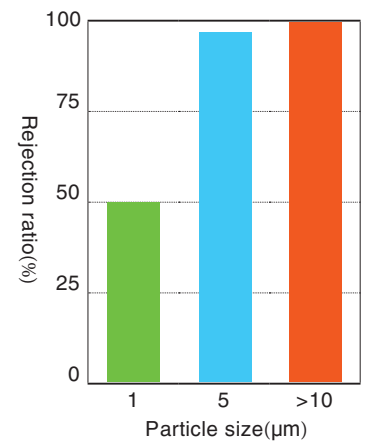
	F-cap300	F-cap500	Remarks
Filter body diameter	Φ 300mm	Φ 500mm	Stainless steel / PVC / Acrylic
Capacity	2.8 m3/H(5.7 m3/H)	7.9 m3/H(15.7 m3/H)	LV=40m/H (LV=80m/H(Max.))
Footprint(Standard unit)	1400 x 1700 x 1900mm	1600 x 1800 x 1900mm	*
Power Supply	3Phase / 380V / 50Hz	3Phase / 380V / 50Hz	
Load (Approx.)	0.4 kw / 1.8 kw	0.8 kw / 2.0 kw	Filtration / Backwash
Differential Pressure	0.3 - 1.5mH	0.3 - 1.5mH	
Turbidity Removal Rate	95% (Max.)	95% (Max.)	

*Standard Unit : Filter body, Filtration pump, Back wash Pump, NaClO tank and pump, Control Panel, Blower, Valves and Pipes

● Comparison

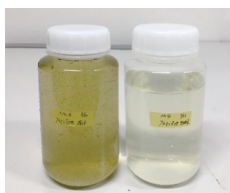
	Sand Filtration	Other Fiber Filtration	F-cap
Flux	10 - 15 m/H	40 - 80 m/H	40 - 80 m/H
High turbidity water	Clog easily	Applicable	Applicable
Recovery performance by backwash	Normal	Good	Good (Short time)
Foot print of Filter	1	1/4 - 1/5	1/4 - 1/5
Filtration Performance (Approx.)	>5 μm	>10 μm	>5 μm
Backwash water amount	Large	Large	Small

► Filtration Performance



- ◆ Applicable for High Turbidity water
- ◆ High Turbidity removal function
- ◆ Small-Footprint

► Sample test is available



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