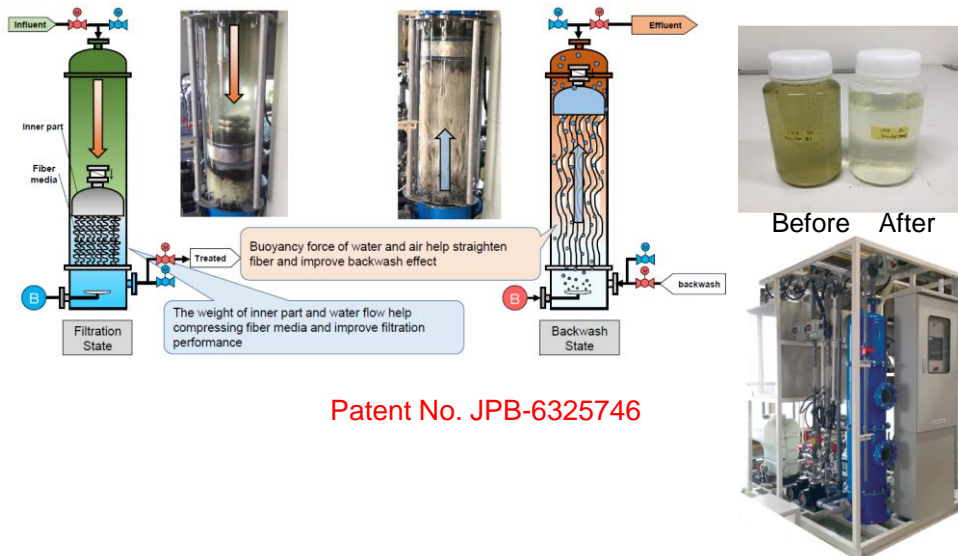




## Water treatment system

### F-cap - High Performance Fiber Filtration Unit

For Turbidity removal use  
as like alternative method of sand filtration



### Features

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| a. Compact                         | -Filtration LV 40~80 m/h          |
| b. High turbidity removal capacity | -High porosity (over 98%)         |
| c. High quality treat water        | -Compress fiber for filtration    |
| d. Excellent backwashing effect    | -Straighten fiber for backwashing |

### Overview (Technical principles, actions, etc.)

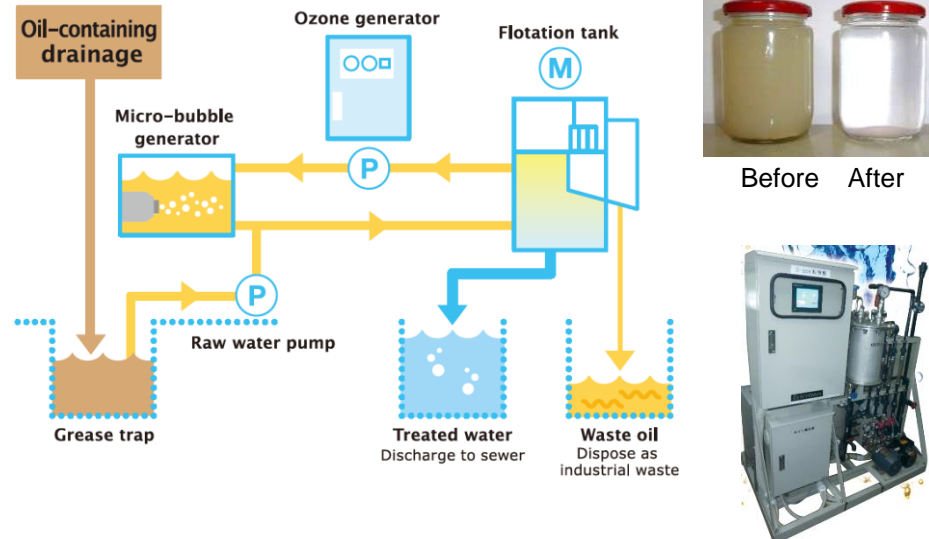
By the original internal structure, the wight of inner part and water flow help compressing fiber media and improve filtration performance. In Back wash state buoyancy force of water and air help straighten fiber and improve backwash effect.

## -Kyowakiden Industry Co., Ltd.-

### G-ace -Grease trap Advanced Conditioning Equipment

For high oil-containing drainage treatment. Oil is separated from water by Ozone Air Micro-bubbles more efficiently.

### G-ace system flow



- Industrial waste reduction
- For high oil-containing drainage treatment
- Compact design

Ozone Air Micro-bubbles separate even emulsified oil. Treated water will be dischargeable to sewer.

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Team E-Kansai

## Performance /specifications of technology / product

F-cap's model	Water purification throughput capability
Φ100mm unit	Max. 15 m <sup>3</sup> /day
Φ300mm unit	Max. 130 m <sup>3</sup> /day
Φ500mm unit	Max. 350 m <sup>3</sup> /day

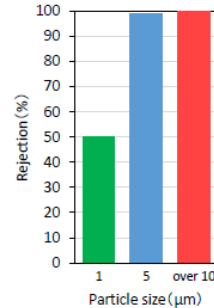


G-ace's model	Water purification throughput capability
G-ace 50	50 L/h
G-ace 100	100 L/h
G-ace 250	250 L/h

## Usage examples / result

### ◆ Purposes

- To filtrate as final processing in the wastewater treatment system
- To remove turbidity in the wastewater recycling system
- To remove turbidity in the rural water
- To purify landscape water



### Do you have some problems for filtration?

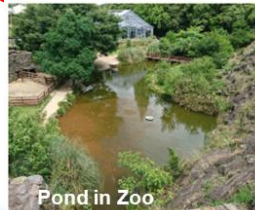
#### If you use sand filtration,

- a shortage of such a big space for installation.
- cannot cope with highly turbid raw water and cause clogging, and once it happens a lot of washing water is needed.

#### If you are considering to replace the sand filtration to the fiber filtration,

- cannot obtain enough water quality by a conventional fiber filtration unit.

### F-cap can solve these problems!!



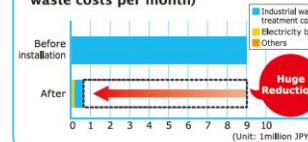
### Our installation experiment

- Oil-containing wastewater from Metal processing, Compressor, Cleaning motor and mold and so on
- In Japan and China



### 95% volume of industrial waste reduction!

Ozone Air Micro-bubbles separate even emulsified oil.  
Discharge treated water to sewer.  
Reduce much of industrial waste treatment costs!  
**Gain 8,300,000JPY cost performance per year! (Incase pay 25m<sup>3</sup> of industrial waste costs per month)**



\*Cost reduction effect depends on the situations, we do not guaranteed.  
\*Before installation, verify the water quality with a test and the cost performance in advance.

### For high oil-containing drainage treatment.

High effect on oil-containing drainage (Mineral oil, Animal and vegetable oil).

Contents	Raw water	Treated water
COD	420	100
BOD	150	20
SS	970	12
Mineral oil	280	4
Animal and vegetable oil	110	6

\*Test result in KYOWAKIDEN factory

### Compact design!

Reduce transportation costs because of compact system.  
Easy to mount.

