Cleaning ability of microbubbles
The contaminant that adheres to the surface of the filter element and the vessel is peeled off by the energy when the microbubbles burst.

MICROBUBBLE BACKWASH FILTER SYSTEM

It is possible to backwash in high efficiency by adding the microbubbles to the liquid before the filtration. The backwash is done by using the expansion of air in the vessel compressed by the pressure when operating.

FEATURES

- Backwash water tank and backwash pump are not required.
- No use any chemicals.
- Out in the backwash water is extremely small.
- Automatic operation, so operation is easy.
- Since there are few components, easy maintenance.

FLOW DIAGRAM

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Backwash

Before Filtration  After Filtration

CENTRAL FILTER MFG. CO., LTD SINGAPORE BRANCH
Cleaning time can be reduced by the cleaning ability of microbubbles. Drain liquid is filtered and so can be reused.

**FEATURES**

- It is the best for cleaning the equipment that internal cleaning such as the mixing tank and the reactor tank is difficult.
- Drain liquid can be reused.
- There is not blocking the pump because there is the filter system on the suction side of the pump.
- UF, NF and RO system can be selected in the option instead of the backwash filter system.

This system can collect the having value material such as catalysts from the drainage and the products.

**FEATURES**

- It is possible to recover at high concentration.
- The filter element is durability because of the stainless steel sintered wire mesh.
- Continuous operating is possible.
- The catalyst of a high dewatering ratio can be recovery by combining with the bag filter for catalyst recovery.