



FFP™

FIXED FILTER PLATE

Cloth Media Filtration

FLUIDYNE'S **FFP™** - FIXED CLOTH MEDIA - NO MOVING PARTS

Innovative fixed panel design uses simple open-close valves and gravity to produce filtration and backwash flow. Having NO internal or submerged moving parts eases installation, reduces maintenance, and simplifies overall operation.



fluidynecorp.com

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REDUCED MAINTENANCE

SIMPLE OPERATION

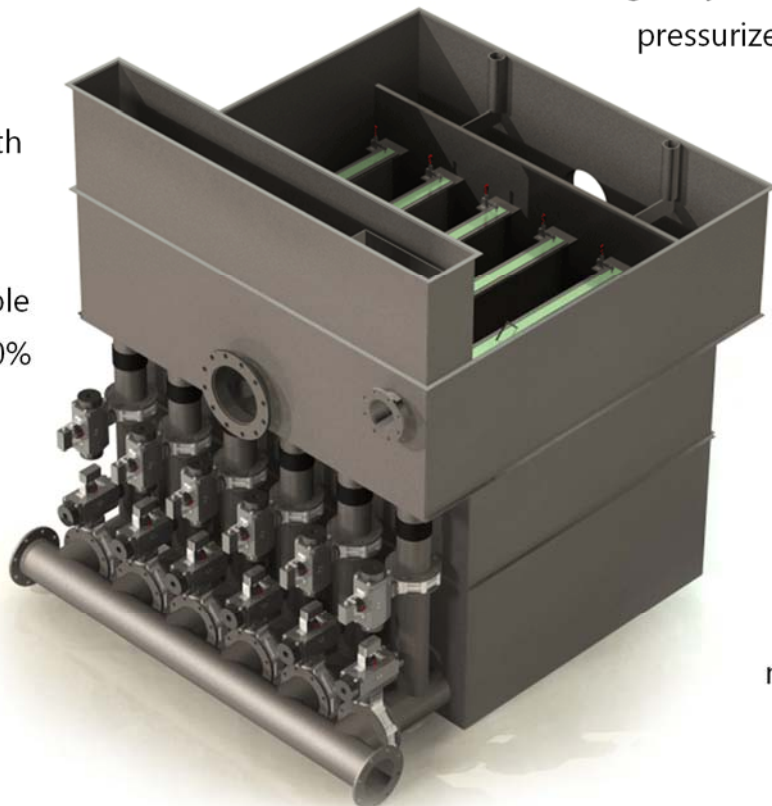
INNOVATIVE DESIGN

Fluidyne FFP™ Cloth Media Filters feature an innovative fixed panel design that uses simple gravity to produce filtration and backwash flow. This high performance, low-operating cost, tertiary cloth media filter is suitable for both large and small wastewater treatment applications. Packaged systems are available in completely assembled, 100% stainless steel free-standing units with capacities from 10gpm to 6.0 MGD. Modular systems are available for larger flows or retrofit into new or existing concrete tanks.

SIMPLE OPERATION

Fluidyne's fixed plate cloth media filter utilizes a patented design to generate backwash flow

WITHOUT backwash manifolds, spray headers, or other moving parts. Backwash is produced by already available differential head, simple open-close valves, and gravity along with a small amount of pressurized air to enhance cleaning.

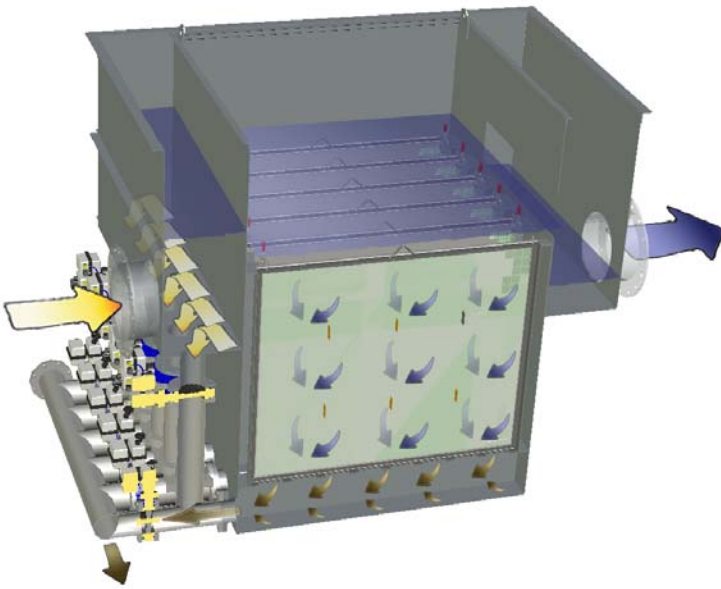
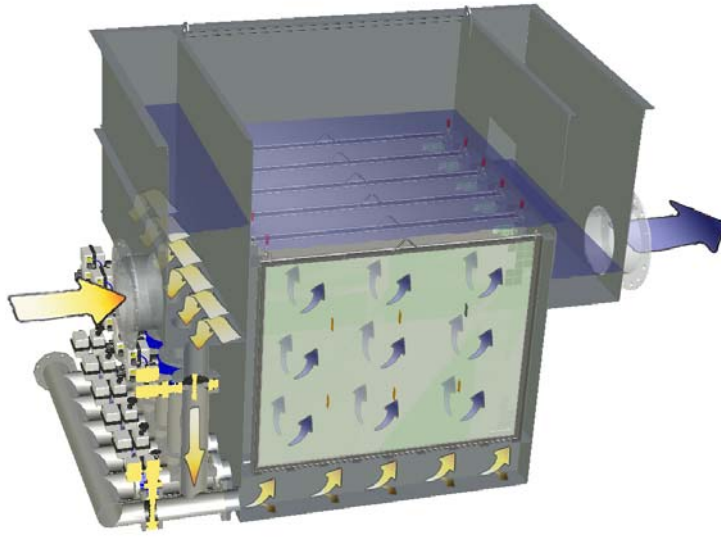


NO MOVING PARTS

All filter components remain stationary during filtration and backwash, reducing maintenance and power usage. Filter tankage and internal components are 100% stainless steel for long life and eased maintenance. Acrylic cloth media removes solids particles down to 10um, is chemically resistant, and can be changed easily without disrupting incoming flow. Alternate media types are also available (IE: 5um)

REDUCED MAINTENANCE

All mechanical equipment, including filter panels, can be removed from the filter without dewatering or diverting incoming flow at any time. All connections required for removal of the cloth media elements are located at the top of the tank, within easy reach, eliminating the need for operators to enter the filter tank for normal maintenance.



Filtering

Each independent media plate is made up of two rectangular cloth panels which face each other within a stationary framework. Influent enters the filter, then is directed to the bottomside of each plate. Suspended solids fall to the bottom of the channel or collect on the interior surfaces of the cloth plates, with clean, treated water collecting in the filter's main bay.

Backwash

As solids accumulate on the cloth surfaces, water level in the influent channel begins to rise, eventually initiating a backwash operation. Each independent cloth plate is cleaned in sequence by allowing gravity to force flow in reverse. Backwash flow is produced entirely by gravity, by simply opening each plate's associated backwash valve. Air is injected within the interior of the plate during backwash to enhance cleaning.

NO MOVING PARTS



FIXED CLOTH MEDIA





PROVEN PERFORMANCE

Fluidyne FFP™ Cloth Media Plate Filters

use proven fixed plate cloth media technology to produce exceptional suspended solids and turbidity removal even at high or fluctuating solids loadings, producing reuse quality effluent with TSS less than 2-4 mg/l and NTU below 1 NTU for most wastewater types. FFP™ fixed plate cloth media filtration systems are ideally suited for:

- Municipalities, large and small
- Residential & Commercial Developments
- Industrial Applications
- Food Processing
- Reuse Applications
- Phosphorous Removal Applications

Please contact Fluidyne or your local rep for specific equipment sizing, pricing, and recommendations.



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