

Fluidyne FFP™



Fixed Plate Cloth Media Filtration



Fluidyne FFP™ Fixed Plate Cloth Media Filter with Gravity Backwash



Fixed Cloth

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% SS free-standing units from 10gpm to 1.2 MGD. Modular systems are available for larger flows or for new or existing concrete tanks.



SIMPLE OPERATION

Fluidyne's fixed plate cloth media filter utilizes a patented design to generate backwash flow WITHOUT the use of backwash pumps, manifolds, spray headers, or other moving parts. Backwash is produced using 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 tannage and internal components are 100% stainless steel or non-corrosive 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.

No Moving Parts

Fluidyne FFP™ Cloth Media Plate Filters offer high performance, low maintenance solutions ideally suited for:

- *Municipalities, large and small*
- *Residential & Mobile Home Developments*
- *Industrial Applications*
- *Food Processing*
- *Reuse Applications*

Please contact Fluidyne or your local rep for specific recommendations.



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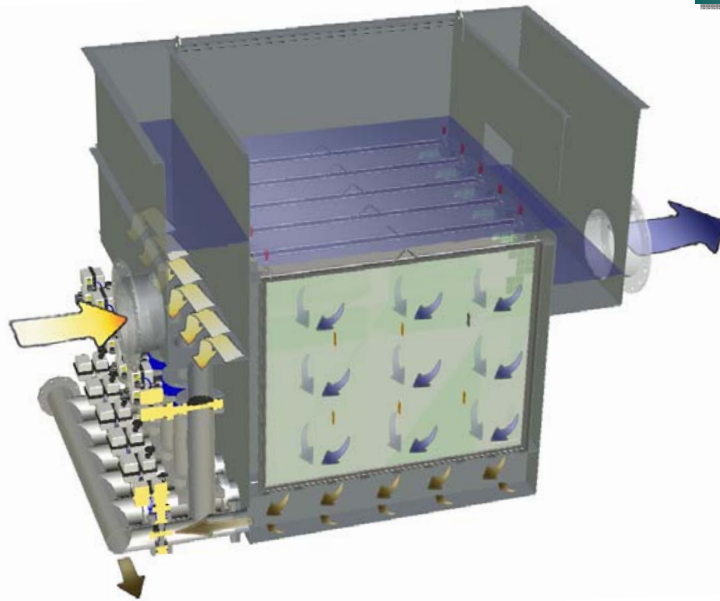
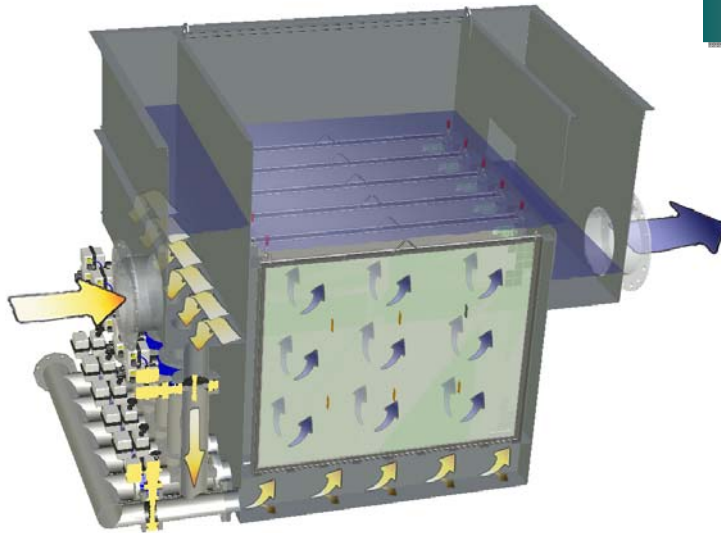
Simple Operation

**FLUIDYNE FFP™
CLOTH MEDIA
PLATE FILTERS:
PROVEN
PERFORMANCE IN
EFFICIENT PACKAGES.**

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

PROVEN DESIGN
Fluidyne FFP™ cloth media filters use proven fixed plate cloth media technology. FFP™ Filters produce exceptional suspended solids and turbidity removal even at high or fluctuating solids loadings, producing reuse quality effluent with TSS less than 4 mg/l and NTU below 1 NTU for most wastewater types.

PILOTING
Please contact your local Fluidyne Representative if you are interested in an onsite pilot test or demonstration.



Filtering

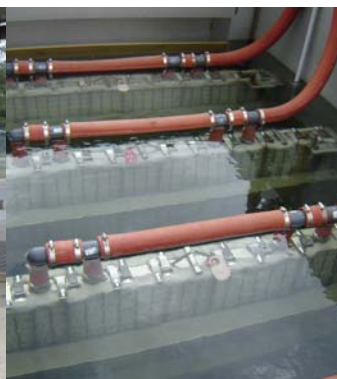
Each independent media plate is made up of two rectangular cloth panels which face each other within a stationary framework. Influent enters the filter, then is directed to the bottomside of each plate. Suspended solids fall to the bottom of the channel or collect on the interior surfaces of the cloth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

Backwash

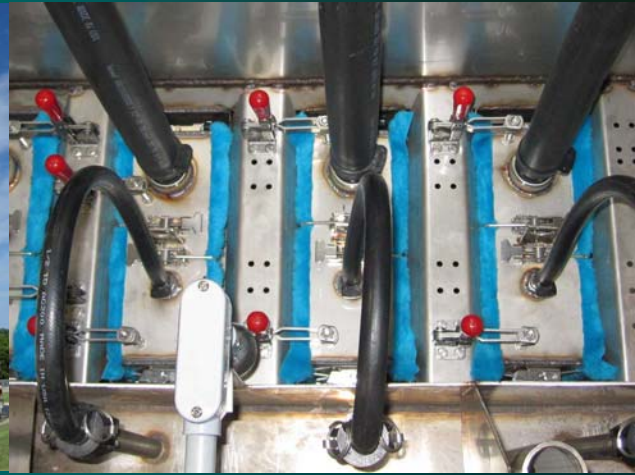
As solids accumulate on the cloth surfaces, water level in the influent channel begins to rise, eventually initiating a backwash operation. Each independent cloth plate is cleaned in sequence by allowing gravity to force flow in reverse. Backwash flow is produced entirely by gravity, by simply opening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

FLUIDYNE F.F.P. 

Reduced Maintenance

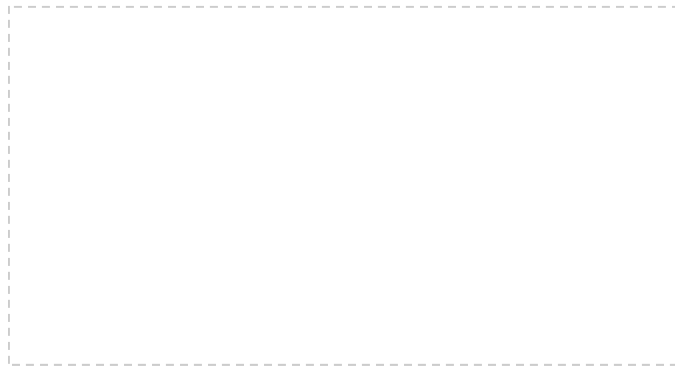


Fluidyne FFP™



The Experienced Leader in Wastewater Treatment Technology

Please contact our authorized Rep in your area:



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Patents apply.

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