

FlowTex™ by ENTEX Technologies

Disc Cloth Media Filter



FlowTex is a user friendly, high performance, tertiary filter suitable for both small and large flow applications. The FlowTex patented design incorporates a fixed disk with a rotating suction head. The suction head is designed to keep from touching the cloth media, providing for extended media life. This outside-to-inside flow ensures that solids stay trapped within the basin.

The stationary disk offers a visual check for clarity of the effluent.

FlowTex filters are available for retrofitting existing concrete basins, or provided as a complete stand-alone unit.

ENTEX Filter Advantages:

- Re-use quality effluent
- Small footprint
- Continuous filtering during backwash
- Low backwash rates—less than 2%
- No backwash storage required
- No underdrains required
- Independent disks provide stable filtration
- Easy to service and maintain



Entex FlowTex Cloth Media Filters remove suspended solids as small as 10 micron and can be configured for maximum design capacity as low as 100,000 GPD to over 100 MGD.



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FlowTex by ENTEX Technologies, continued



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FlowTex: A Proven Concept in Cloth Media Filtration

The FlowTex liquid/solid separation capabilities adds options for treatment plants with smaller flows and/or space limitations.

The Entex Cloth Media Filter is a tertiary filter that removes suspended solids.

The exceptional polishing capabilities of FlowTex captures solids as small as 10 micron.

With an influent of 60-65 NTU, the filter will produce a filtrate quality of 2-5 NTU.

Ease of Installation and Maintenance

The mechanical equipment and filter structure can be removed from the tank without dewatering. All connections required for removal of the mechanism are bolted at the top of the tank, within easy reach. The operator doesn't need to enter the tank for normal maintenance.

Filtration Principles

Influent enters through a pipe that directs the flow toward the floor of the tank housing the filter discs. The turbulence of the incoming flow keeps the solids in suspension and prevents premature settling.

Suspended solids are removed from the flow as the influent passes through the cloth filter media. Filtered flow from each cartridge is visible through individual discharge ports, allowing the operator to monitor the operation and quickly isolate a problem. Each cartridge is easily replaceable without taking the entire filter off line.

With time, solids accumulate on the cloth filter media gradually restricting the flow of liquid through the media, causing the filter tank liquid level to rise. When the level reaches a predetermined set point, the backwash process begins. The suction head engages, moving the faceplate across the disc. No change in NTU occurs during this backwash cycle.

FlowTex Filters are easy to install, monitor and repair.



Advanced Systems. Proven Solutions.

ENTEX engineers have been involved in hundreds of plant installations. We'd like to be involved in yours.