

# FlowTex™ by ENTEX Technologies

Engineering  
a Clean Water  
Environment

## Cloth Disc Filter



*FlowTex is a user friendly, tertiary disc filter suitable for both small and large flow applications. The patented FlowTex filter with outside-to-inside flow incorporates a fixed disc with a rotating vacuum head for backwashing. The vacuum assembly is designed to keep from touching the cloth media. This provides for extended cloth media life.*

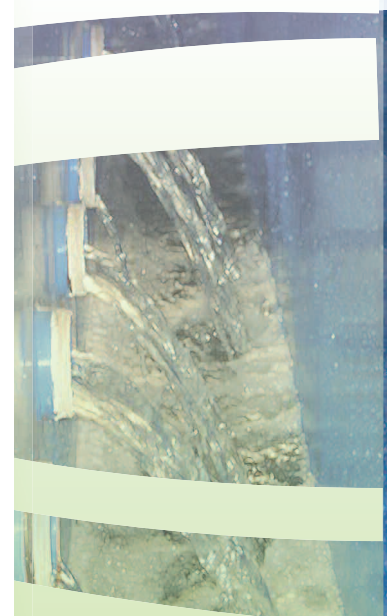
*Each disc is comprised of two easily removable segments with a combined 65 ft<sup>2</sup> of filtration surface area. Individual segment discharge ports offer a visual check for clarity of the filtered effluent. The outside-to-inside flow ensures that solids stay trapped within the basin. Heavier solids settle to the bottom of the tank and are pumped out of the filter using the vacuum pump.*

*Entex FlowTex disc filters remove suspended solids as small as 10 microns and can be configured for both small and large flow applications.*

### ENTEX Filter Advantages:

- Re-use quality effluent
- Easy to service and maintain
- No dewatering required for maintenance
- Redundancy in one tank
- Outside to inside flow
- Monitor discharge quality from each segment
- Flexible configurations
- Small footprint

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



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## FlowTex by ENTEX Technologies, continued

### 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 filter will produce reuse quality effluent,

- TSS < 5 mg/L
- NTU < 2
- 10 um nominal separation
- Title 22 approved.

### Filtration Principles

Influent enters the filter tank and completely surrounds the discs. Suspended solids are removed as flow passes through the cloth filter media. Solids accumulating on the cloth will gradually restrict the flow of liquid through the cloth causing the level within the tank to rise. When the level reaches a predetermined set point the backwash process begins. The drive engages moving the vacuum head across the cloth pulling filtered effluent back through the cloth removing trapped solids.

Filtered effluent from each segment is visible through individual discharge ports, allowing the operator to monitor the operation and quickly isolate a problem. Each segment is easily replaceable without taking the entire filter off line.

### Ease of Installation and Maintenance

Each disc segment can be removed without dewatering the tank.

All connections required for removal of the mechanisms are bolted at the top of the tank. The operator doesn't need to enter the tank for normal maintenance.

FlowTex Filters are easy to install, monitor and service.



### Advanced Systems. Proven Solutions.

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