A New Concept in Cloth Media Filtration

WASTEWATER TECHNOLOGIES
Reclaiming Clean Water

Wastewater Technologies continues to expand its liquid/solid separation capabilities by adding a user-friendly, small footprint, low backwash, high performance tertiary filter for both small and large flow applications. The **BioDRUM™** Cloth Media Filter removes suspended solids as small as 10 microns and can be configured for flows as low as 4,000 GPD up to 165,000 GPD.

BioDRUM™ Advantages

- **High effluent quality**
- **Small footprint**
- **Continuous filtering during backwash**
- **Pre-coat design for better capture rates**
- **Low backwash rates**
- **No backwash storage required**
- **No underdrains required**
- **Stable filtration process**
- **Easy to maintain and service**

The **BioDRUM™** 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 or clarifier and completely surrounds the drum. 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 water level to rise. When the level reaches a predetermined set point the backwash process begins.
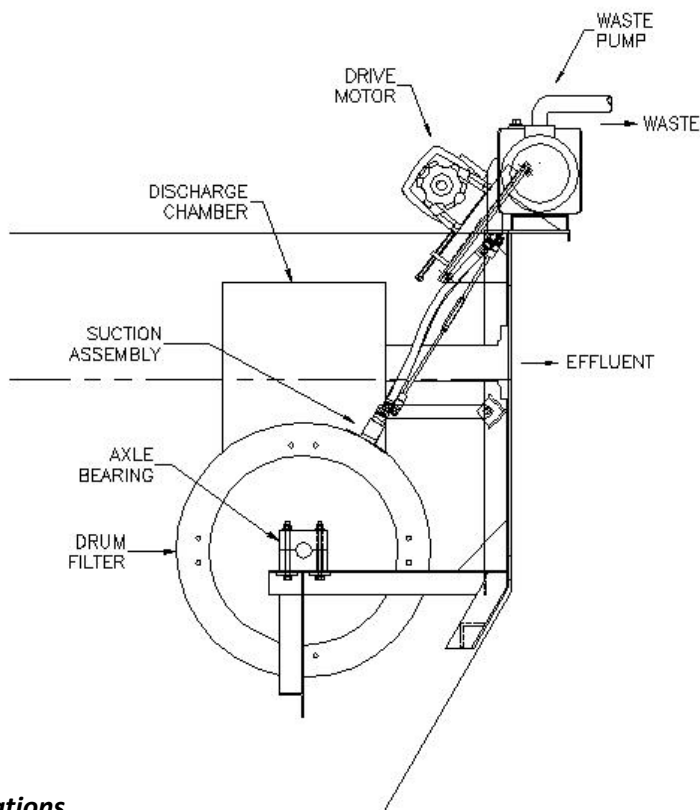
Applications

The **BioDRUM™** filter produces reuse quality effluent suitable for applications from golf course irrigation to cooling tower supply water.

- Activated sludge
- Extended aeration
- SBRs
- Oxidation ditches
- Trickling filters
- Membrane pretreatment
- Reuse / Recycle
- Phosphorus removal
- Color removal
- Industrial make-up
- Precipitate removal
- Algae removal