



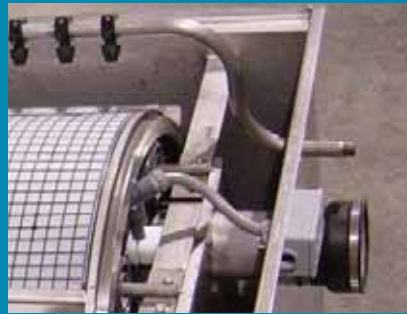
Sanitaire DrumFilter

ADVANCED FILTRATION SYSTEM



SANITAIRE

a xylem brand



With more than 40 years of innovation in effective, efficient wastewater treatment, Sanitaire raises the standard once again with the Sanitaire DrumFilter. Proven capable in the most rigorous testing, it keeps you in compliance with the toughest mandates, including California Title 22 Certification for water reuse applications.

Simple, economical cloth media filtration

The DrumFilter is a cost-effective solution for wastewater treatment plants seeking to comply with the increasingly stringent effluent requirements mandated by regulatory agencies. Adding a DrumFilter tertiary treatment unit to a new or existing process scheme can eliminate the need to expand major treatment units. Low headloss requirements make integration into your hydraulic profile easy. Intensive energy input is not required to meet your treatment goals.

Proven performance that delivers.

- **Durability:** Chemical resistant polyester fabric screens
- encapsulated in polypropylene injection-molded panels
- **Reduced Shaft Stress:** Elastomeric drive end plate and flexible disk
- **Long Frame Life:** Frame supported by a corrosion-resistant stainless steel drum
- **No Excessive Pumping:** 12" or less headloss through entire system
- **Easy Service:** No need to drain the tank to service the backwash system or repair cloth media
- **Efficiency:** Power is only consumed on backwash cycle, keeping energy use low
- **Simple Installation:** RFM and RFS models are self-contained
- **Easy Retrofitting:** RF models utilize existing tankage
- **Low Backwash Requirements:** Only 1-3% of throughput and elimination of backwash tankage
- **Space Savings:** Small footprint saves valuable space

How the DrumFilter works.

The DrumFilter uses the simple mechanical sieve principle. The process stream flows into the drum and contacts the screen material. As the stream flows from the inside to the outside of the drum, solids adhere to the screen. When the water level inside the drum increases to a predetermined level, the backwash cycle activates automatically (using filtered water). The drum rotates as a high pressure spray penetrates the outside surface of the drum, removing the solids from the inside filtering surface. Solids removed during the backwash cycle are

collected in a trough inside the drum, where they are conveyed for further treatment or recycled to the head of the treatment plant. During the backwash cycle, the DrumFilter remains in service providing continuous filtration without interruptions. An integral outlet weir ensures a minimum water level is always maintained, serving as the backwash water reservoir.

Sanitaire DrumFilters can be operated intermittently, making them ideal for seasonal discharge systems.



Specifications.

Flow rate	100-1,000 GPM per unit depending on source water
Reuse certified	California Title 22
Tankage options	Existing or new; concrete (RF), stainless steel (RFS) or fiberglass (RFM)
Filter media pore range	10 micron to 1 mm
Filter media types	Polyester or stainless steel
Backwash water source	Filtrate (or plant water if so desired)
Control options	Simple hand-off-auto or fully automated Programmable Logic Controller (PLC)

Applications.

- Wastewater effluent polishing
- Water reuse – Title 22 certified
- Potable water filtration
- Pretreatment for process water, UF/MF membranes, UV disinfection
- Phosphorus removal
- Process or cooling water filtration
- Any application requiring a simple-to-operate, high-flow capacity absolute barrier, with a small footprint
- Pilot systems available for demonstration

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com



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