

Drumfilter



Patented design

Where other techniques are rendered ineffective by high contamination loads or sticky/fibrous contaminants, our patented Drumfilter can provide the ideal solution.

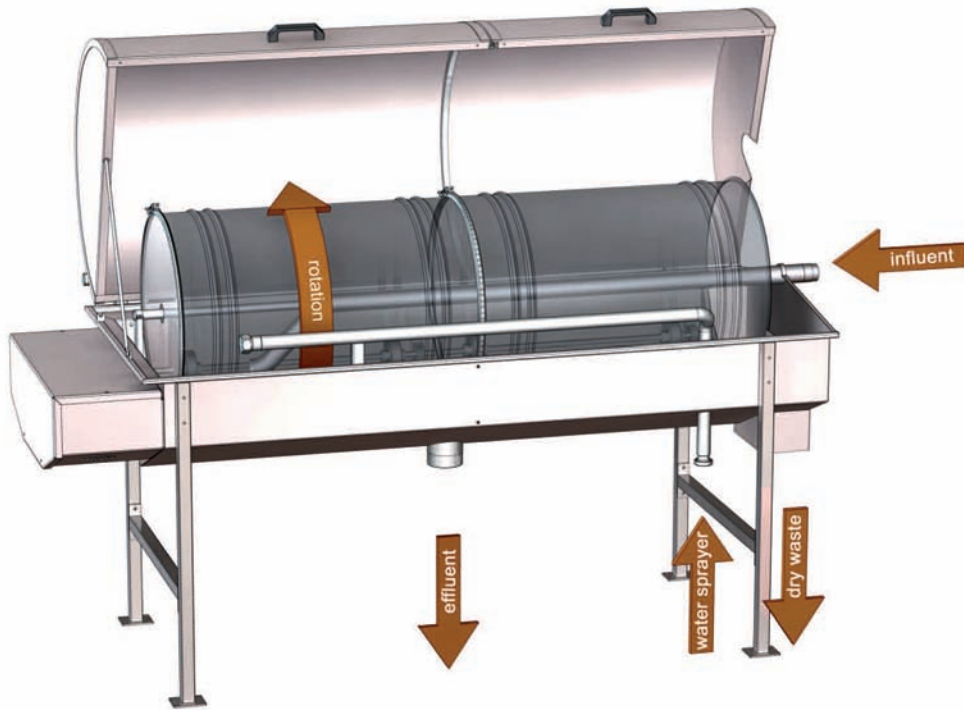
Using a unique and simple combination of rotation, separation and gravity, unwanted particles are removed from polluted water.

With its robust and efficient design, particles from 15 to 500 microns in size are easily removed.

Industries that find the Drumfilter effective:

- Sewage water cleansing
- Textile industries
- Agricultural/
Horticultural Industry
- Fish Farms
- Waste water
- Process water
- Paper Industry
- Vegetable Processing
Industry

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The strength of the drumfilter is its simplicity:

1. The polluted water is pumped through the open front into the back of the rotating drum
2. Gravity pulls the water through the filtering cloth, separating it from the particles and suspended solids.
3. The filtered water is ready to be reused or further treated
4. The waste and solids remain in the drum, where the rotating action gradually pushes the waste out of the open end
5. Integrated spray cleaning system

The Drumfilter

The Drumfilter is made of high grade stainless steel and is therefore suitable for treating a wide range of fluids.

The unit is fully enclosed with a hinged easily opened cover. This provides not only protection from moving parts but also prevents the release of odours and water spray during use.

As an option we can incorporate UV disinfection technology for the liquid or on the filter surface.

Advantages

- Low energy consumption, low operating cost
- Totally enclosed filter unit
- Robust design, easy to use and maintain
- Continuous or batch treatment
- Flexible application, low or high contaminant load
- No flush water required for some applications
- According to: Machinerichtlijn (Richtlijn 98/37/EG)

Technical specifications

Type		DF1000	DF2000	DF3000	DF4000
Capacity*	M ³ /hrs	< 5	5 - 20	20 - 30	30 - 50
length	mm	1650	2600	3550	4500
Width	mm	1100	1100	1100	1100
Height	mm	1500	1500	1500	1500
Weight	kg	175	245	335	425
Connection size	Influent	BSP	2"	3"	3"
	Effluent	BSP	4"	4"	4"
	Water sprayer	PN10	DN32	DN32	DN32
	Dry waste	gravity	280x160	280x160	280x160

* depends on the selected mesh size and the level of dirt load in the liquid

The mesh size of the filter cloth depends on the application and requirements. Standard sizes available: 40 - 80 - 160 - 250 - 500 microns.



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