TRUMMA GT DRUM FILTER

for filtering contaminated water flows (1-100 m³/h)



Wastewater Treatment Systems Water Treatment

Description

The Trumma GT is a patented drum filter designed to separate solids from heavily contaminated water flows. The system was developed for applications in greenhouse horticulture and is suitable for water containing sand, potting soil, and sludge, among other contaminants.

Through a combination of rotation, filtration, and gravity, solids and liquids are separated from one another. A perforated stainless steel drum is used for this purpose, lined on the inside with a FilterFlex filter cloth.

Its design and simple operation make the Trumma suitable for applications with high levels of contamination and minimal maintenance requirements.

Operation

The contaminated water flows into the slowly rotating, perforated drum. The liquid passes through the FilterFlex filter cloth and is collected at the bottom of the system. Solids remain inside the drum.

The rotation keeps the solids in motion, and they are gradually discharged from the drum through the discharge hopper. This creates a separate stream of filtered water and collected solids.

FilterFlex cloths are available in multiple mesh sizes, allowing filtration to be tailored to the water flow and contaminant load.

Advantages

The Trumma GT combines a robust stainless steel construction with a simple filtration principle for treating heavily contaminated water flows.

- suitable for water flows containing sand, potting soil, and silt
- separation of solids and liquids
- robust stainless steel construction
- simple and low-maintenance design
- FilterFlex fabrics in five mesh sizes
- four models with different capacities
- designed for a long service life

TRUMMA GT
DRUM FILTER

Applications

- container washers
- crops with high sand or potting soil content
- potting soil processing
- wastewater treatment
- food processing

Maintenance

Thanks to its simple mechanical design, the Trumma requires minimal maintenance. The necessary inspections and maintenance depend on the application, the contaminant load, and the filter cloth used.

FilterFlex filter cloths

The choice of filter cloth depends on the temperature and pH of the influent. The capacity also depends on the mesh size and solids load.

Technical Specifications

Mesh Size	40, 80, 160, 250, 500 µm
Filter cloth	Polyamide / polyester / PP
Frame	Stainless steel 304L
Drum	Stainless steel 316L
Drive shaft	Stainless steel 304L
Control cabinet	Plastic
Power supply	3 × 400 V N/PE, 50 Hz, 16 A
Energy consumption*	0.55 kW/hour
Warranty	1 year, excluding FilterFlex filters

Trumma GT Models

SPECIFICATIONS	GT I	GT II	GT III	GT IV
Capacity (m³/h)	< 5	5 - 25	20 - 40	40 - 100
Number of drums	1	2	3	4
Length (mm)	1.760	2.600	3.550	4.500
Width (mm)	960	1.100	1.100	1.100
Height (mm)	1.470	1.500	1.500	1.500
Weight (kg)	210	245	335	425
Discharge hopper (mm)	300 × 254	280 × 160	280 × 160	280 × 160
Inlet	2 inch BSP	2 inch BSP	2 inch BSP	2 inch BSP
Outlet	DN100	DN100	DN150	DN150
Number of nozzles	10	20	30	40