



FILTER, TYPE NDF

Rotary drum screen



NDF

Nijhuis Water Technology has designed an innovative cloth drum filter with an inside fed rotary drum screen with a perforated drum covered by a cloth.

APPLICATIONS

- Filter system for industrial effluents.
- Dewatering of biological excess sludge up to 4-6% dry solids.
- Solids / liquid separation for manure.

The Nijhuis Drum Filter (NDF) can either be integrated in a total solution or offered as a single product for your wastewater or excess sludge.

ADVANTAGES & CHARACTERISTICS

- Up to 80% savings on disposal costs.
- Sludge volumes up to 5 times reduced.
- Easy exchangeable inner cloths.
- Cloth pore-size variable from 40 to 250 μm .
- Fully executed in stainless steel.
- Can easily handle fluctuations in flow.
- Smaller investments for further dewatering operations.
- Applicable for various types of solid/liquid mixtures.
- Easy replacement of filter drum elements.



TECHNICAL DESCRIPTION

The Nijhuis Water Technology drum filter (NDF) is designed for dewatering of excess sludge from biological treatment systems and special filtration applications.

The design is based on rotation of the drum with cloth and separation by gravity.

The NTF design is including:

- Inside fed system.
- Special designed feed system for flow distribution.
- Exchangeable cloths.
- Cloth supported by perforated drum.
- Self cleaning system.
- Spray cleaning with water possible.
- Stainless steel body.
- Removable cover for easy maintenance.
- Optional polymer dosing possible to increase performance.

Series, type	Length - mm	Width - mm	Height - mm	Weight - kg Empty / Full	Power - kW
NTF 100	1600 - 2150	1000	1800 - 1950	345 - 450	0,55
NDF 200	2600 - 3150	1000	1800 - 1950	425 - 625	0,55
NDF 300	3550 - 4100	1000	1800 - 1950	505 - 775	0,55
NDF 400	4500 - 5050	1000	1800 - 1950	585 - 950	0,55

