HYDROTECH

HSF 2600 Discfilter. Pure performance.

HSF

2600

VEOLIA WATER

Solutions & Technologies

Pure genius

Largest ever installation

Gryaab AB in Gothenburg Sweden has recently inaugurated the largest Discfilter installation in the world. The installation consists of 32 Hydrotech Discfilters, designed to treat 864 000 m³/d. The filter installation was taken into operation on 3 June 2010.

Compared to other techniques, the small footprint of the Hydrotech Discfilters made it possible to install the filtration system within the existing area of the wastewater treatment plant.

HSF 2600
- The world's most innovative microscreen filters

The HSF 2600 is the new generation Discfilter from Hydrotech. It is the most cost-efficient machine for municipal water, industrial water and wastewater treatment.

Building on the highest standards in discfilter technology, HSF 2600 uses a combination of high quality materials and innovative solutions, cutting down on energy and increasing efficiency.

A simply smarter way to filter water

The water to be treated (influent) flows into the filter drum. A patented design leads the water into the disc segments. The flat filter panels in each disc segment catch the solids and divert them to a collection area, allowing filtered water to pass through.

The unique design of Hydrotech's filter panels offer a long life span and superior cleaning when backwashing. They minimize power and backwash water consumption significantly reducing carbon footprint.

Better by design

HSF 2600 offers the best in performance, economy, reliability and environmental impact.

Our patented design makes it possible to transport fully assembled and tested Discfilters ready for installation, cutting down costs.

Benefit from these advantages:

- Powered by gravitational flow, minimizing energy costs.
- Patented disc design means filters can be delivered and assembled in standard modules. Reducing installation time and cost.
- Patented mechanically driven backwash system means better cleaning, minimal backwash water use and less wear on the filter media.
- Patented high-pressure nozzle configuration minimizes filter length, installation cost and footprint.
- Flat filter panels with an exact tension of the filter media give long life span and superior cleaning when backwashing.
- Low power consumption per m^2 filtration area resulting in less operational costs and smaller carbon footprint.
- Easy-maintenance one-piece electrically operated sound reducing cover.
- Practically maintenance-free main bearings.

One piece sound reducing cover

We manufacture the sound reducing cover in one piece using GRP (glass fiber reinforced plastic). It is electrically operated, simplifying periodic inspections.

Practically maintenance free

The superior design of the main bearing makes it practically maintenance free.

A smarter way to purer water

The Hydrotech HSF 2600 is simply a smarter way to clean water. Municipalities, consulting engineers and industries working with treated water benefit from higher output, lower operational costs and a reduced environmental impact.

Long lifespan – superior cleaning

HSF 2600 has a unique, low power consumption per m^2 filtration area.

Our well proven flat filter panels, with an exact tension of the filter media offer superior cleaning when backwashing and a very long life span. Both power and backwash water consumption are minimized, significantly reducing carbon footprint.

Ready for operation

Our patented disc design makes it possible to deliver filters worldwide in standard containers, fully tested and ready for operation. The only thing that is required to get up and running is some minor field work.

HSF 2600 is specially developed for filtering water in the following industries:

Municipal:	Effluent polishing Pre-filtration of potable water Storm water
Pulp and paper:	Intake water Process water Effluent
Other industrial:	Pharmaceuticals Waterworks Cooling systems Food processing

Water's way

Water to be treated (influent) flows into the filter drum by gravity. Water is led inside the filter drum and flows out through the filter panels mounted on both sides of the filter segments.

Solids catch on the inside of the filter media impeding the flow of water through the discs. As the water level inside the discs begins to rise it triggers a level sensor that starts rotating the filter drum, initiating the backwash cycle.

During backwashing, high-pressure rinse water backs the solids off the filter, collecting the solids in a trough.

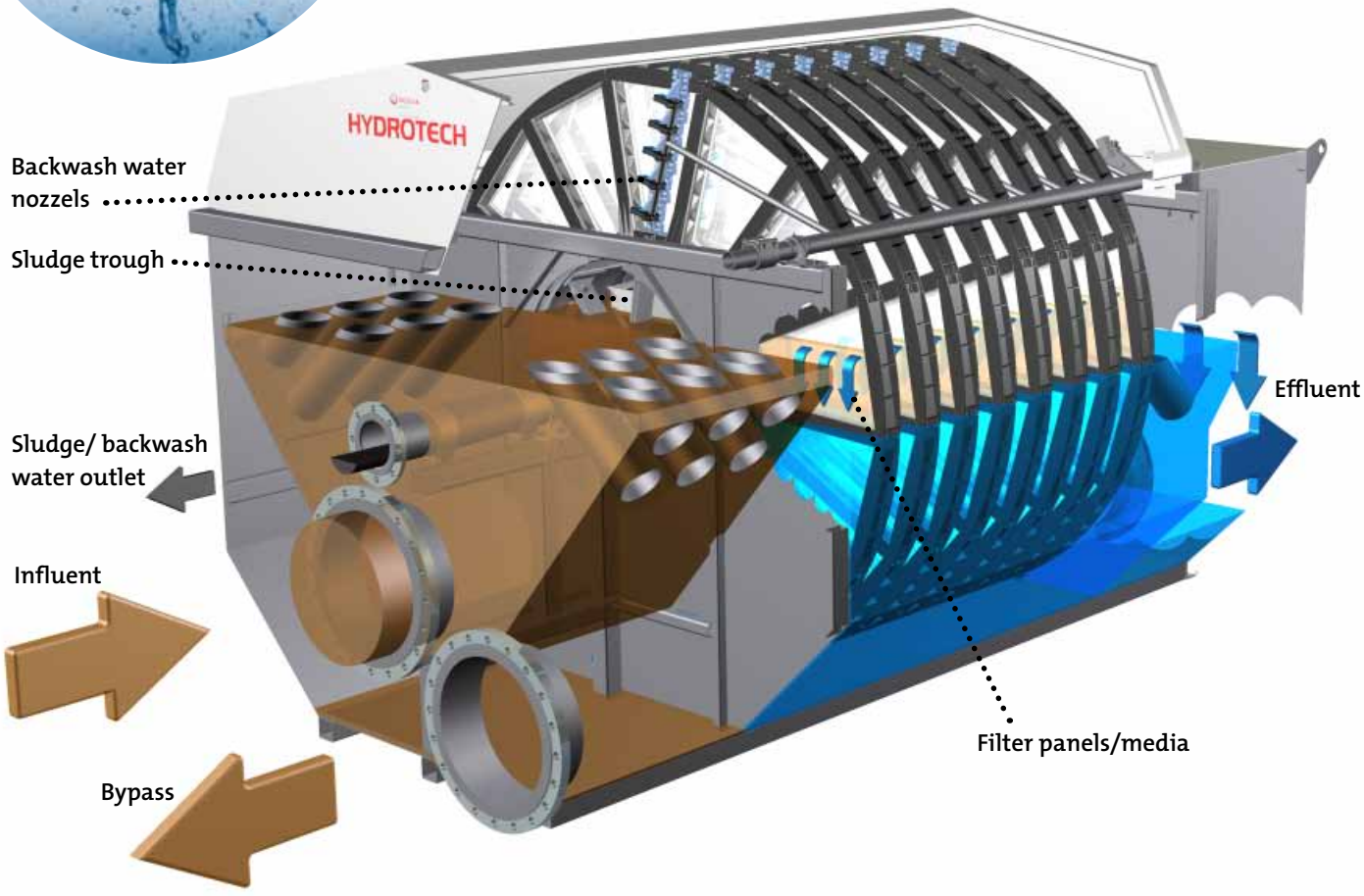
Filtration is continuous, even during backwash and filtrated (effluent) water is used for the backwash cycle.

Reduced power consumption

The patented backwash system is mechanically driven from the gear motor, needing no additional power. This results in a better cleaning, minimal backwash water use and less wear on the filter media.

The patented backwash spray header ensures efficient cleaning of the filter media and 20% savings of water consumption. The spray headers fold out to facilitate maintenance of the spray nozzles.

The patented high pressure nozzle configuration minimizes the total length of the Discfilters. This makes it ideal for municipal applications where a large filter area is required. It also minimizes the total installation costs, and importantly the Discfilter's footprint, reducing environmental impact.



Hydrotech.

Providing purer water

Pure innovation

Pure performance

Pure savings

Pure reliability

Swedish based Hydrotech is the market leader in microscreening technologies. Microscreening is used as a technique for removing particles from all types of liquid flows. Since its start in 1984, the company has manufactured and delivered around 7,000 microscreening filters worldwide.

Hydrotech recently completed the world's largest installation anywhere in the world, at Gryaab in Gothenburg Sweden.

Hydrotech is 100% focused on filter development and production. Our close co-operation with universities and institutions helps drive forward technological advancements in the area of water filtration.

We are part of Veolia Water Solutions & Technologies, one of the world's leading companies in the area of water purification. The group has more than 338,000 employees worldwide.

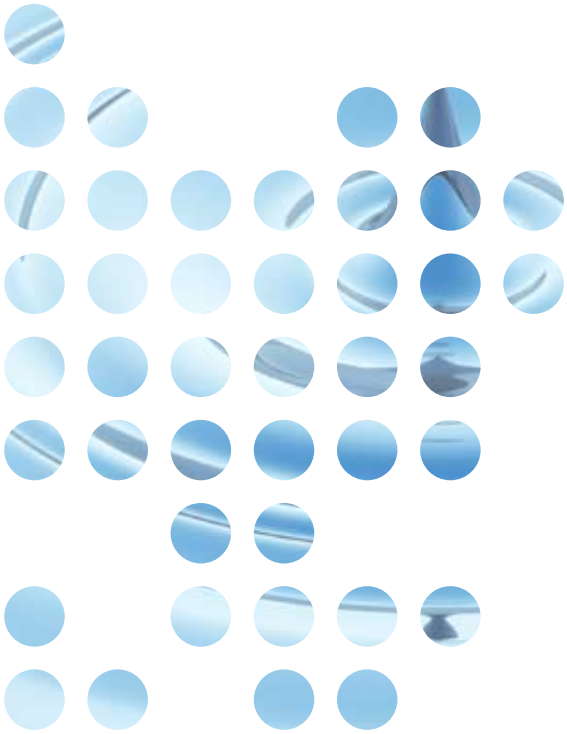
We offer Discfilters, Drumfilters and Beltfilters for water filtration. Waterworks, process plants and sewage treatment plants are just some of the areas using Hydrotech's water purification filters.

By building machines with a larger capacity that take up a smaller area, our filters reduce the total installation costs and more water can be filtrated using fewer machines. Our filters also filter during the backwash cycle and are self-cleaning.

We have researched into how to reduce the carbon footprint of our water treatment processes to make them as sustainable as possible. We consider the emissions related to the materials we use, including construction as well as emissions from operations over a period of 25 years. From this we can calculate how best to reduce carbon footprint to provide our customers with the most environmentally friendly water treatment solution possible.

We always strive to offer a microscreen filter that is more cost efficient than competing systems and with a smaller carbon footprint.

Our filters are built on a proven modular build-on-demand system with short lead-times. We offer a turn-key operation that is easy to transport and assemble in-situ, meaning our filters can be operational extremely quickly. Using mechanical parts and patented processes we have managed to reduce maintenance to an absolute minimum, ensuring a quick return on investment. With over 25 years of offering service to satisfied customers we will gladly supply testimonials from satisfied customers around the world.



HYDROTECH

Hydrotech AB,
A Veolia Water Solutions & Technologies company

Mejselgatan 6
235 32 Vellinge
Sweden

Tel: +46-(0)40 42 95 30
Fax: +46-(0)40 42 95 31
E-mail: mailbox@hydrotech.se
www.hydrotech.se

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