

Hydrotech micro screens "state of the art"



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Hydrotech AB, Veolia Water, Solutions & Technologies, was founded in 1984. They were the first company to service the growing Aquaculture business all over the world, with unique filter systems.

Hydrotech is still at the forefront in production and development of micro screens for filtration of water in many different aquaculture applications, such as inlets- and outlets from fish and shrimp farms, as well as part of modern recirculation systems for fish farms.

There are more than 5000 Hydrotech filters in operation world wide. It provides a significant benefit being a specialized and well established company within this growing industry.

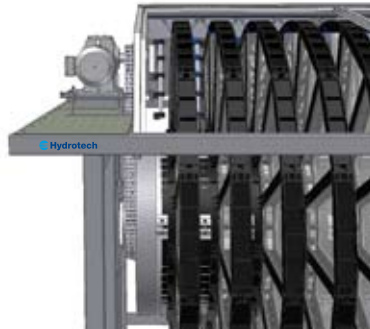
Customers can rely on Hydrotech's knowledge and expertise as a business partner, knowing that research and development is ongoing to ensure the most appropriate solutions are available. It's from this solid technical base, that Hydrotech has grown over the last 20 years and for sure will ensure that they will be there in the coming years.

Hydrotech Quality filters

Laser cuttings of essential moving parts in our the filters, ensures long and trou-

ble free operation, like a Swiss clock work.

All moving parts are made with great care to ensure long lifetime.



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Bearings: Different solutions have been tested over the years. Today these essential parts are made of a special plastic composite so the bearings will provide trouble free performance for many years.

The exceptional performance of Hydrotech's filter panel for Drumfilters, still stands as one of the most important developments since the introduction of the original micro screen.

Hydrotech's unique design leads the field

Testing in recirculating systems on fish farms with Hydrotech's Filters compared with competing systems show:

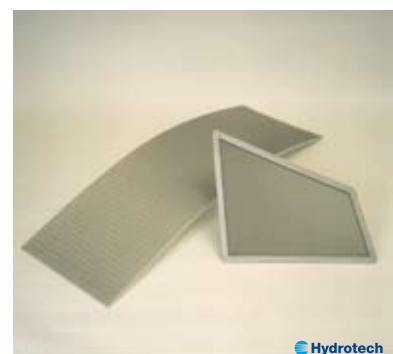
- ▶ Competing filter systems with different types of filter cloth solutions, which have been exam-

ined under the microscope, reveal that hole sizes are not uniform. For example on installations of 60 µm, it was found that the hole size could vary from 75 to 120 µm in the worst case.

- ▶ Hydrotech filters rated at 60 µm are more consistent than any other filter cloth examined (The Hydrotech filter cloth has a tolerance of ± 10 % i.e 54 to 66 µm, due to weaving tolerances).
- ▶ Hydrotech filter panels have been proved to give **15 – 20 %** more hydraulic capacity, for the same micron rating.
- ▶ Hydrotech filter panels have been proven to give up to **15 %** greater solids removal efficiency, for the same micron rating.

Spare parts:

Even today Hydrotech is still able to service the first models of microscreens delivered to the aquaculture market in the 1980's.



Filter panels for Drum- and Discfilters.

Upgraded computer systems keep track of all filters produced by Hydrotech. The picture and serial number archive can always identify any filter. By this system, customers can be confident that they will receive the correct spareparts.

The Hydrotech filters are designed to provide easy and simple access for maintaining and if necessary replacing parts.

Our spare part department will deliver world wide within days if local distributors should not have an item in stock.

Engineering support

Hydrotech's service extends to engineering assistance on demanding hydraulic and technical applications, as well as guidance on installation solutions.

Biological support:

Hydrotech has available Bi-



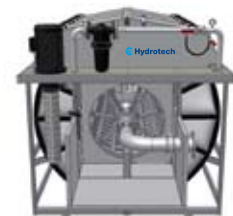
Hydrotech Drumfilter installed at a recirculating salmon farm.

ologists with many years of experience within aquaculture and water treatment systems, who are available to assist on the most appropriate choice of filter type and filter openings.

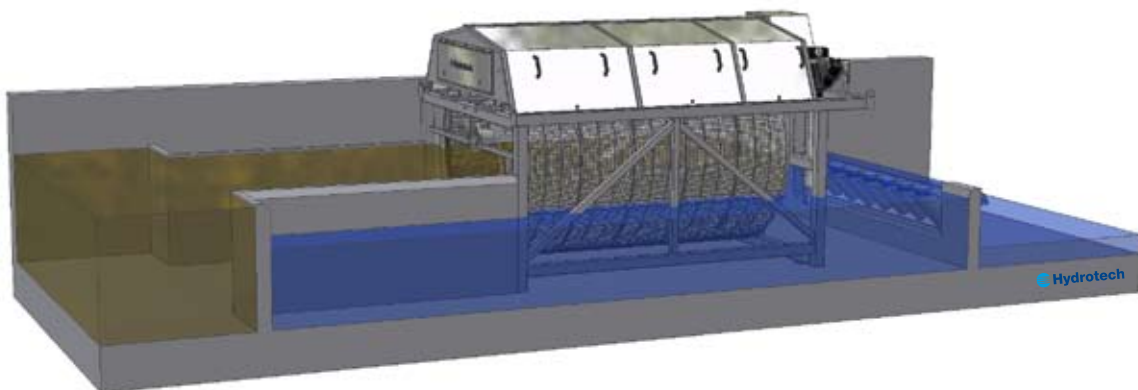
Documentation

All Hydrotech filters are CE marked. O&M manuals of international standard, means trust and confidence in Hydrotech products.

The designed efficiency and capacity is based on experience with many applications and the results from tests carried out on both pilot and full-scale installa-



Hydrotech Discfilter seen from the inlet side



Typical installation of a Hydrotech Drumfilter, demonstrating the compact space saving installation using the special weir system



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