

Rise to the environmental challenge

With Hydrotech filters in the Pulp & Paper industry

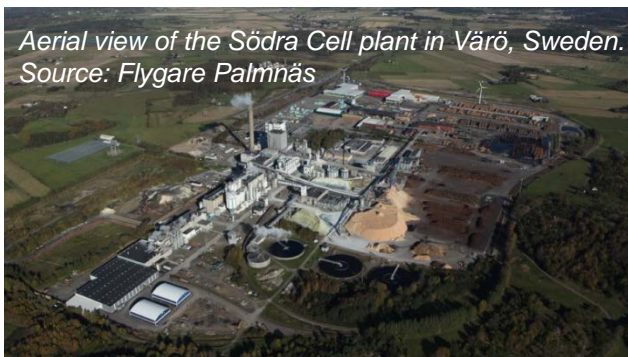
Our solution

The pulp and paper industry is subject to stringent demands on water quality. With numerous global references in intake water, wastewater and effluent treatment, Hydrotech offers well proven technology that can meet those demands. Hydrotech filters are compact, easy to install and to retrofit into high performant plants. So, for an outstanding removal of suspended solids, think Hydrotech!

Hydrotech selected to replace competing technology

In 2014, Södra Cell AB Paper Mill in Värö, Sweden, invested 4 billion SEK in a major expansion aiming at increasing significantly the production capacity. As part of the upgrade, Hydrotech was contracted to supply and install an intake water plant. In replacement of Passavant filters, three HSF2614/12-2F Hydrotech discfilters with 40 µm filter elements were installed to treat 2 000 l/sec of intake water from the local river, Viskan. Not only did the production capacity increase, but the quality of the water was also improved thanks to a smaller filter cloth opening size (from 150 µm to 40 µm). In addition, the power consumption of the installation decreased dramatically, reaching 0,001 kWh/m³ at medium load. The installation was made during full operation using the same installation area as before the upgrade.

*Aerial view of the Södra Cell plant in Värö, Sweden.
Source: Flygare Palmhäs*



Pulp & Paper applications

- Pre-treatment (intake water)
- Cooling tower system
- Side stream filtration
- Cold lime softening



Hydrotech advantages

- Compact yet performant solution
- Easy operation, low maintenance and safe work environment
- Low power consumption
- Flexible, modular design
- Proven quality and exceptional longevity
- 30 years of experience and Global network ensuring local support and expertise
- First class engineering and manufacturing

The Hydrotech solution sets the standard in the Pulp & Paper industry

Process applications

Together, Veolia and Hydrotech technologies can offer the best possible solutions. Our portfolio is comprehensive and allows for a vast number of winning combinations, all offering simple and user-friendly technology, low maintenance, and high utility to secure performance.

Intake water

PUMP STATION



COARSE BAR SCREEN

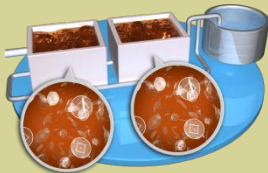


DISC- OR DRUMFILTER

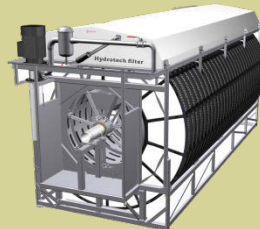


Wastewater treatment, clarification

**BIOLOGICAL WASTEWATER TREATMENT
(MBBR, Activated sludge, Ecodisk)**

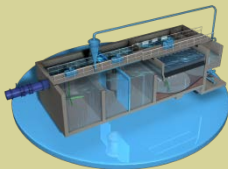


DRUM- OR DISCFILTER

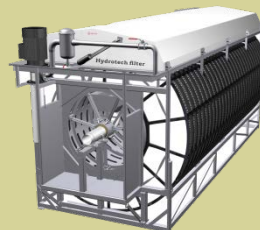


Effluent from clarification

**CLARIFICATION
(Actiflo, Multiflo, DAF, settler)**



DRUM- OR DISCFILTER



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