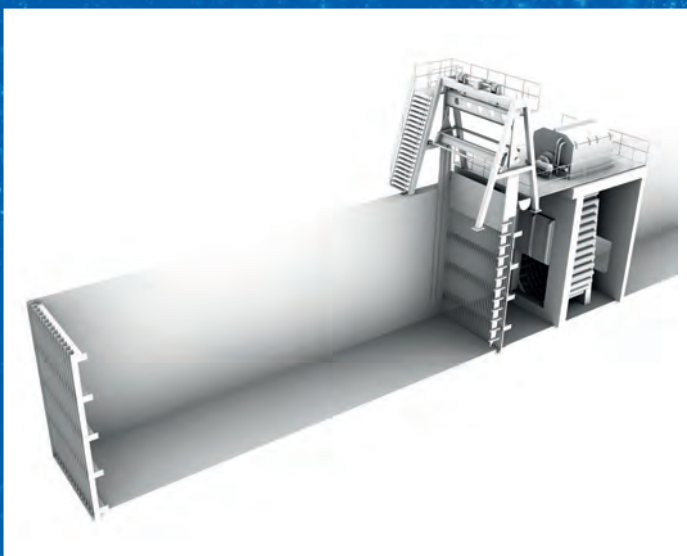
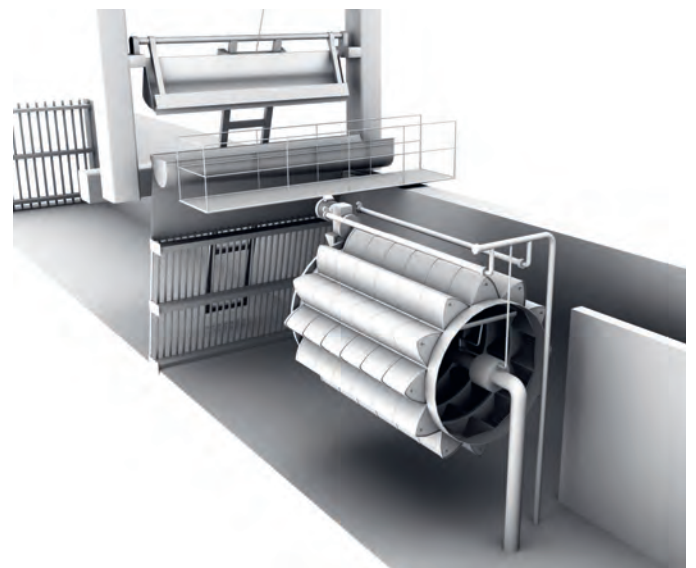


Intake Screening System

Flootech FlooScreen™ Raw Water Treatment

Flootech's equipment for raw water intake and water treatment is based on decades of experience and numerous references in many parts of the world. Flootech equipment portfolio includes manual and automated bar screens, travelling basket filters, drum basket filters and sluice gates.

When screening surface water from seas, lakes or rivers, the system can be equipped with mechanical solutions or pressurised air curtains to protect marine life – and to improve the quality of water.



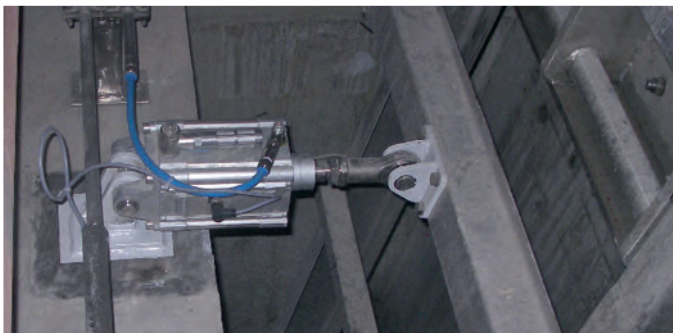
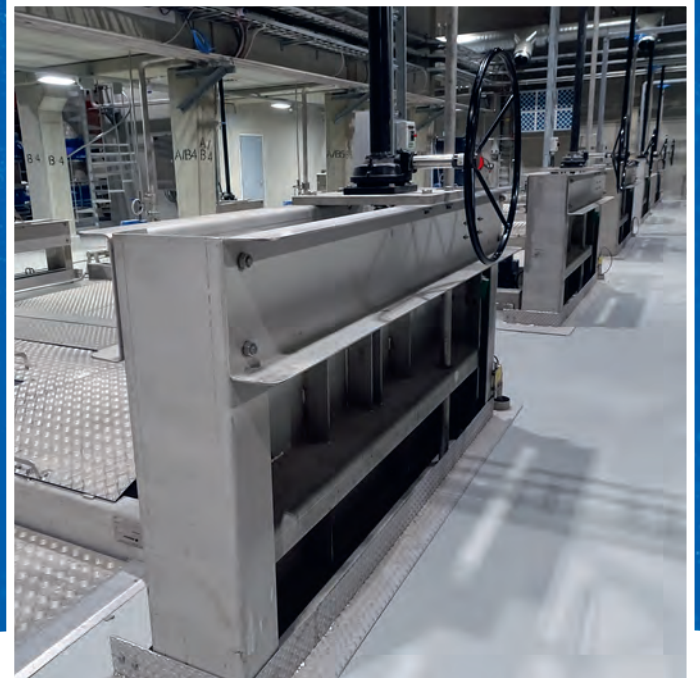
Key features

- Wide range of raw water treatment applications in different market sectors
 - power and energy plants
 - pulp and paper plants
 - petrochemical
 - process industry plants
 - municipal water management
- For raw water, drinking water and cooling water applications
- Surface water and sea water applications

FlooScreen™ Sluice Gates

Flootech's sluice gates are elementary components in water canals and channels for stopping the water flow during operation, maintenance, service and repair work. They are supplied in different sizes.

They can be equipped with filling valves for refilling the water after maintenance work has been done.



FlooScreen™ Bar Screens

Flootech's bar screens are used to ensure that larger objects do not get into the downstream process. The grid of the screen is designed to prevent clogging. The trash collected on the grid is automatically removed at intervals by a cleaning rake. The function is switched on by either level sensors or timers, and it can also be activated manually.

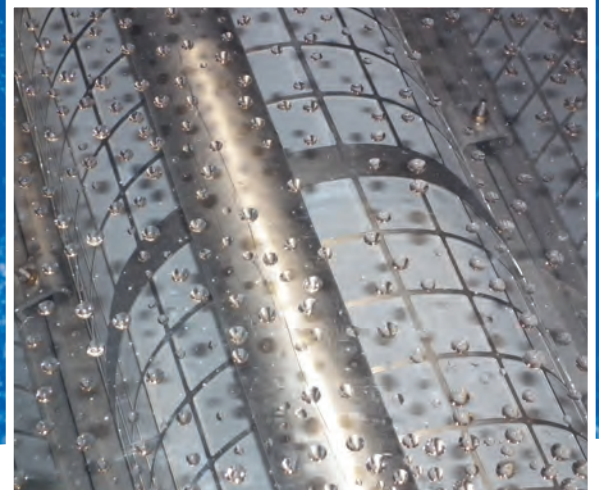
There are three different bar screen types in the **FlooScreen™** Bar Screen range: heavy-duty bar screens, vertical bar screens, and fine bar screens.



FlooScreen™ Drum Basket Filters

Flootech's drum basket filters are used when a high degree of mechanical purification is needed. These filters have a proven reliability as they are used in a large number of installations worldwide. They are able to separate particles down to 22 µm. The largest drum basket filters supplied by Flootech have a capacity of 4,800 m³/h.

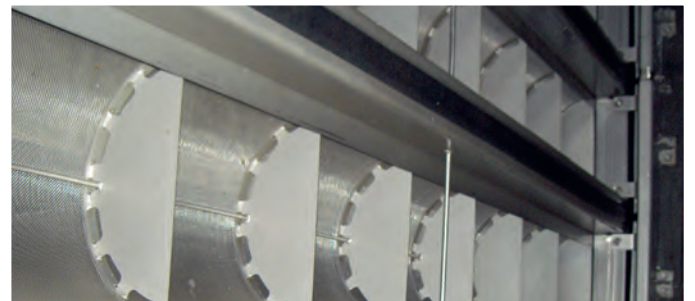
When using drum basket filters it is essential that the water level is kept stable, i.e. the water is pumped through the filter. The filter is installed on a concrete base or is placed in a separate tank made of steel.



FlooScreen™ Travelling Basket Filters

Flootech's travelling basket filters are suitable for treating the intake water when it is taken directly from a river or a lake or from the open sea by gravity flow. Travelling basket filters are particularly recommended when there are large fluctuations in the water level. The filter screen has a mesh size ranging from 0,2mm to 5mm depending on the application.

The screen is made of stainless steel or PET (polyethylene terephthalate) material. The capacities range up to 50,000 m³/h.



Benefits

- Wide capacity range
- Able to separate particles down to 20 µm
- Easy and cost-effective maintenance
- Mild steel S355 rust proof painting and cathodic protection
- Stainless steel: AISI 304L, AISI 316L, Duplex 2205 and Super Duplex
- Aftermarket care



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Flootech

| Flootech in brief

Flootech offers a wide range of water treatment technologies, process solutions and services for industrial and municipal sectors with over 50 years' experience.

With over 1000 of installations worldwide and a high level of competence in the industry, Flootech adds value to clients' processes by producing high quality water, minimizing and decreasing water consumption, energy usage and ensuring that environmental regulatory requirements are fulfilled.

Flootech's solutions are based on proprietary technologies developed through excellence in engineering and operational insight as well as in close cooperation with our customers and partners.

HYDROFLUX

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About the Hydroflux Group

The Hydroflux Group comprises eleven companies based in Australia, New Zealand, Fiji and the UK, providing specialist design and build, equipment, processes and operational services in water and wastewater treatment and sludge treatment and dewatering.

The Hydroflux Group are the exclusive agents for Flootech Oy in Australia, New Zealand and The Pacific Islands.

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