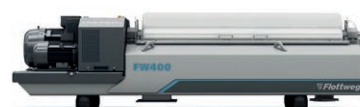


**SUCCESS IS ...
PERFORMANCE
ENGINEERED
TO WIN**


THE NEW DECANter FW400 HTS

Separation technology for an added efficiency gain:
Increased performance, ease of use and lower
disposal costs for municipal sewage treatment
plants and industrial sludge.



 **Flottweg**

Engineered For Your Success



THE NEW FW400 HTS – CONCEIVED FOR MORE EFFICIENCY, BUILT FOR YOUR REQUIREMENTS

As someone responsible for wastewater disposal, it's something you're sure to be familiar with: During the secondary treatment of sewage sludge and industrial sludge, it is of crucial importance that the centrifuge ensures a high dry matter content in the dewatered sludge. That's because...

- the volumes and weights of the residual sludge are reduced
- the number of required sludge removals is cut
- the disposal costs for the residual sludge are lower.

To achieve all this at a high level, we have developed a new decanter centrifuge that has been specifically designed and configured to meet the needs of the user. Its abbreviated name says it all: With the FW400 HTS, HTS is a German acronym that stands for "high dry matter." The decanter centrifuge is ...

- a specialist product for the secondary treatment of municipal mixed sludge and a wide variety of industrial sludges
- aligned to maximum efficiency
- optimized for process stability.

As a new addition to our portfolio, the FW400 HTS decanter offers you a future-proof solution for a range of requirements. With this decanter centrifuge, Flottweg can support you in making your processes more sustainable, efficient and cost-effective.

THE HIGHLIGHTS

The FW400 HTS comes with three stand-out features that make our new decanter centrifuge the ideal tool for the secondary treatment of municipal sewage sludge and industrial sludge:

01 The key focus on increased efficiency in the dewatering of sewage sludge and industrial sludge, combined with high separation rates and high purity in the centrate, ensures a faster return on investment (ROI).

02 The modular design allows for an optimal configuration adapted to the specific requirements of your sewage treatment plant.

03 The consistent focus on user-friendly operation simplifies everyday use and reduces maintenance costs.

Highlights of the FW400 HTS in detail



Performance Boost

- Low operating costs due to a higher degree of dewatering efficiency and reduced disposal costs
- Increased torque, additional taper angle and open grid structure for an improved performance and added energy efficiency
- Reduced energy consumption and environmental footprint due to Performance Boost and super deep pond



Flex concept

- The modular design facilitates individual adaptations and a wide variety of selection options
- Upgradeability, flexibility, and a wide range of options
- Oil-air lubrication increases useability and operational safety
- Oil-air lubrication optionally available



Human-centered design

- Improved housing sealing protects against environmental influences and reduces downtime
- Folding belt guard provides easy access for maintenance and repair work
- Noise-reducing design improves working conditions and supports ergonomic work



ENGINEERED TO WIN FEATURES AT A GLANCE

As a decanter centrifuge designed specifically for municipal sewage treatment plants and industrial sludge, the FW400 HTS comes with numerous features that ...

- simplify the treatment of sewage sludge and industrial sludge
- increase the overall efficiency of your processes
- reduce your transportation and disposal costs.



Performance Boost

due to the optimized flow behavior inside the machine: This is made possible by the lattice structure of the decanter scroll. The additional compression of the solid matter by the super deep pond also contributes to ensuring the maximum dry matter content. Depending on the requirements and characteristics of the solid matter, the machine can optionally be equipped with further scroll configurations.



Good for people

in the surrounding working environment: The improved housing sealing provides protection against environmental influences and reduces downtimes.



Designed for the operator

The folding belt guard provides easy access for maintenance and repair work. The noise-reducing design also improves the working conditions on site.



Practicality

The user-friendly and intuitive InGo user interface with its 12" HMI is a genuine plus. And Flottweg is always by your side: All remote monitoring and maintenance options are available to you on request – to provide your operator with direct support from the Flottweg experts.



Precision and flexibility

The variably adjustable differential speed ensures optimum separation results, even in the event of changing product characteristics.



Flex concept

By this, we mean the possibilities offered by different configurations, such as the optimum taper angle for your application, or the appropriate wear protection. Make sure that you never make compromises when it comes the design of the machine!



Maximum performance with simultaneous savings

The Recuvane® system reduces the operating costs of a decanter centrifuge by reducing energy consumption by 10 to 20 percent. The durable mechanical system maintains the separation process and allows for the flexible adjustment of multiple pond depths.



SIMP-DRIVE®
RECUVANE®



TECHNICAL DATA



Scrolls

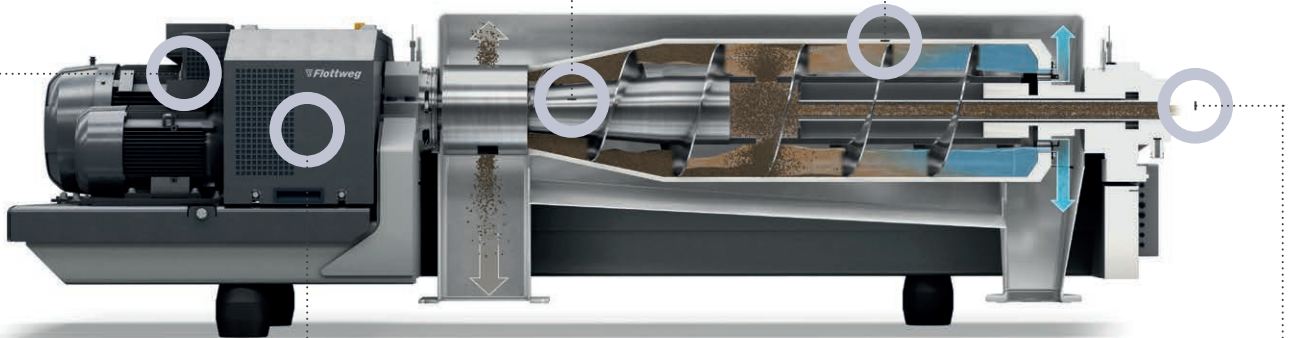
- Open scroll concept with grid structure
- Optimized scroll bushing design



Geometry

Flexible configuration according to customer requirements depending on the nature of the solid matter

- Normal, deep and super deep pond
- Various taper angles



Lubrication

- Automatic oil-air lubrication or grease lubrication



Drive

- Torque-optimized, tried-and-tested Flottweg Simp Drive® as standard



Capacity

- Up to 30 m³/h *

* The data listed here are intended as guide values. The actual throughput depends on the characteristics of the product. Subject to technical changes.

FLOTTWEG QUALITY AND SERVICE



Guaranteed Flottweg quality

Typical “Made in Germany”: we have a clear understanding of what quality is and do not compromise on it. Therefore, the Flottweg centrifuge components that come into direct contact with the medium to be processed (e.g. bowl, scroll, and feed) are made exclusively of high-grade, rust and acid-resistant stainless steels. This also makes it possible to increase the strength and improve the resistance.

Our machines are equipped to meet your requirements permanently – in extreme cases 24 hours a day, 7 days a week. Our strict quality controls (ISO 9001:2015) and the traceability of all critical components ensure additional product safety.



Our service – always there for you!

Over 1,100 employees worldwide in a network of more than 60 sales and service locations are available to assist you. We not only strive for first-class advice on the selection and design of our systems, but we are also there for you afterward, whenever you need us – in more than 100 countries around the world.



Success can be planned. In just three steps.

Are you planning your own success story for your products?
Then get in touch with Flottweg and benefit from our 3-step roadmap:

01

We discuss your separation task and business goals with you.

02

In the pre-engineering stage, we analyze your raw materials in our laboratory and carry out customized tests at the Flottweg Technical Center or on site at your business premises. The first product samples can also be provided at this point.

03

After the design and detailed development process, you will receive a concrete offer including all relevant line figures for your individual Flottweg application.

Make Flottweg the engineer of your success:
Our sales partners are looking forward to hearing about your ideas and challenges!



Flottweg worldwide

To be able to serve our customers worldwide, we maintain an international sales and service network: we are represented in over 100 countries. All branches and representatives have specially trained service technicians, some of whom we train in our in-house Flottweg Academy.

12
international
subsidiaries

Projects in over
100
countries

Over
50
service centers

- – Headquarters
- – Subsidiary
- – Representative

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