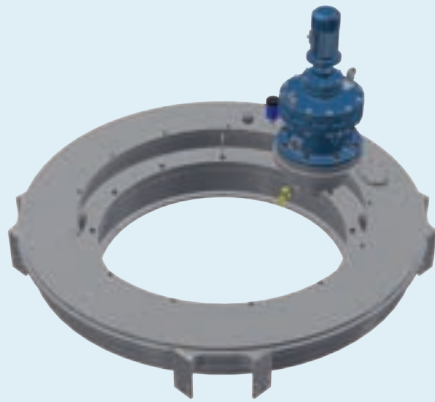




Hubert

Central Drive System

Hubert manufactures central drive systems for clarifiers & thickeners which are used in municipal and industrial water treatment plants. A central drive mechanism rests on a stationary column mounted in the center of the sedimentation tank. A half or full-span bridge then attaches to the robust housing of the drive unit.



Central Drive Systems for Clarifiers and Thickeners

As a respected worldwide supplier of waste water treatment equipment, Hubert provides drive units with outstanding performance under most hostile environmental conditions. Decades of experience helps us to design and produce our products in our own manufacturing facility in the Netherlands. As manufacturer of clarifiers and thickeners applied for liquid-solids separation, Hubert is able to supply complete installations including drives based on your custom specifications.

Applications

A central drive system can be used for tanks with a diameter up to 50 m. We supply retrofits for Dorr-Oliver, Eimco, Westech and comparable drives.

Features and Benefits

- Complete package, clarifier or thickener with central drive unit
- Custom build by in-house engineering and production
- High quality (incl. ATAX & CE) for a reliable and long service life
- Worldwide service from our experienced service team
- Low OPEX, competitive pricing



Design and Construction

This column-mounted central drive system (also called cage drive) provides the rotational force necessary to turn the rake arms in a circular basin through a center cage mechanism, transporting settled solids to the center of the sedimentation tank for removal.

The drive mechanism assembly is mounted on the center column of a sedimentation tank and secured by anchor bolts. The drive mechanism consists of a reduction unit, an integral geared slewing ring and a drive pinion. The steel fabricated housing is protected by a special industrial coating. The drive mechanism is fixed on the center column, whilst the geared slewing ring is attached to the rotating raking mechanism.

The pinion is made from heat-hardened carbon-steel and is mounted on the solid output shaft on the gearbox. The pinion bearings are mounted within the gearbox, preventing any misalignment between gearbox and reduction unit.

Geared slewing ring and pinion within the housing run in an oil bath, which is provided with a seal to prevent contamination. An oil collecting box, level gauge, inspection cover, desiccant breather and drain valve are provided.

New and Overhaul Projects

Hubert is able to design and produce central drive units for your specific application, for refurbishments and new builds. We are strong in tailoring a drive to your existing situation and in renovation projects we can design a new drive that completely replaces the old drive. Hubert manufactures central drive units in his own factory. We can also install and mount your drive on site.

History

DamranHistoryHubert, founded in 1880, has almost 150 years of experience in design and engineering, in-house manufacturing, installation and service of equipment for water purification and water intake applications. Our engineered products and technical expertise have enabled Hubert to become a major player in the global market for water treatment solutions. We focus on high-quality equipment with a long service life.

Over the years, we have gained an extensive number of satisfied customers and project references all over the world. Our machinery is a crucial part of every production facility and is usually continuous in operation. Our equipment has to operate efficiently and reliably in extreme weather conditions. Hubert's installed base comprises many thousands of installations that have recently been commissioned or that have been in operation for many years.

OUR DIVISIONS

Water Intake Systems

Hubert is market leader in water intake screening systems, used for mechanically clean water extracted from the sea, rivers or lakes. These systems can be found in power stations, petrochemical plants & refineries, desalination plants, drinking water & irrigation plants and industrial production plants requiring a huge demand for process water. We supply complete 'screening trains', including all additional equipment like controls and cathodic protection. We design, engineer, and manufacture our equipment in-house. You will find our projects in both new construction (EPC) projects and renovation and optimization of existing water intakes.



Wastewater Treatment Machinery

Hubert wastewater treatment machinery and (sub) installations are applied in municipal and industrial wastewater treatment plants. Our installations are of high quality and offer a long service life. Clients range from water boards and authorities in the public sector to multinationals in many industries.



Service and After Sales

Keeping your machinery operational, this is the daily work of our Service and After Sales division, which proves its importance by keeping Hubert installations operational anywhere in the world. Founded in 1880, the large amount of projects that Hubert has carried out over the years has resulted in a huge installed base of equipment. Many of these are still in operation! We supply parts but also provide optimization and renovation of your existing equipment.



High-Spec Steel Assemblies

We have been supplying both components and assembled parts to the offshore industry and other applications within the shipping and dredging industry for many years. Complex machined welding constructions, (sub) assemblies and complete products are part of our program. For this market we work according to customer (mechanical) specifications. Our scope includes parts in single pieces, series as well as assembled products.



Over 250 years of experience in water handling and treatment

From water intake systems to water cooling, from water management to wastewater treatment, pumping stations, hydropower and prize-winning innovations in the field of decentralised wastewater treatment. DeSaH, Hubert and Landustrie have joined forces. From Sneek in Friesland, our experts develop and manufacture future-proof solutions with an above-average lifespan.

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