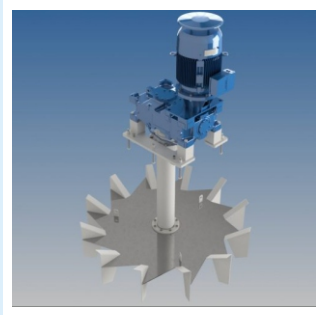


## Surface Aerator

Product  
Information



### Hubair™ surface aerators - designed for continuous operation

A surface aerator pushes water from under the water's surface up into the air, then the droplets fall back into the water, mixing in oxygen. Hubert delivers also floating surface aerators. When these have a high pumping rate, they can be very effective in water treatment lagoons, carousels and tanks.

Our Hubair™ aerator is based on a vertical shaft and operates at a low speed. A Hubert aerator is always configured as per client's specifications.

### Design & Construction

Our Hubair™ aerator consists of a flat sawtooth shaped plate fitted with twelve blades. The top of each blade has been reversed and bend outwards at an upward angle of 350 degrees. This influences the direction of the water ejection.

This design has led to reduced friction losses, which not only means that the efficiency of oxygen input is improved but also that the axial stresses on bearings and gearbox are reduced.

The Hubair™ aerator's standard version is manufactured from carbon steel finished with an epoxy coating. For aeration in highly aggressive environments a stainless steel aerator is available. The aerator can be installed fixed (oxidation ditch and tank) or floating (tank or lagoon).

### Features & Benefits

- Improved oxygen input efficiency between 2.0 and 3.2 kg O<sub>2</sub>/kWh
- Restricted aerosol emission
- Minimal maintenance required
- Pollution resistant
- Reduced stresses on gearbox
- Extremely high reliability
- Large oxygen generation (500 kg O<sub>2</sub>/h per single unit)
- Excellent propulsion in oxidation ditch
- Thorough and deep mixing in circular and rectangular bassins
- Simple control system
- High mixing capacity

### Miscellaneous Equipment

- Floating assemblies
- Shrouds
- Aerocaps
- Bottom baffles
- Wall baffles
- Draft tubes
- Sun shields
- Splash plates



## Company Profile

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

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

Below you can find more information about our divisional structure. We will be happy to hear about your project!

## 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 of process water.

We supply complete complete 'screening trains' including all additional equipment, like controls and cathodic protection. We design, engineering and manufacture our equipment in-house.

You will find our projects in both new construction (EPC) projects and renovation & optimization of existing water intakes.

### Waste Water Treatment Machinery

Hubert supplies waste water treatment machinery & (sub)installations applied in municipal and industrial waste water 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 & After Sales

Keeping your machinery operational. This is the daily work of our Service & 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

Hubert has 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) specs. Our scope includes parts in single pieces, series as well as assembled products.

