

Hubert surface aerator

Vertical shaft low-speed Hubair aerator

The Hubair aerator consists of a flat sawtooth-shaped plate fitted with twelve blades.

The top of each blade has been reversed and bends 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.

Design and construction

The Hubair aerator's standard version is manufactured from carbon steel finished with an epoxy coating. For aeration in highly aggressive environment a stainless steel aerator is available.

Advantages

The advantages of the Hubair aerator are:

- improved oxygen input efficiency between 2.0 and 3.2 kg O₂/kWh
- restricted aerosol emission
- no maintenance required
- pollution resistant
- reduced stresses on gearbox
- extremely high reliability
- the large amount of oxygen that can be introduced by a single aeration unit (500 kg O₂/h)
- excellent propulsion in oxidation ditch
- thorough and deep mixing in round and rectangular basins
- simple control system
- high mixing capacity

Fixed installation: oxidation ditch and tank

Floating installation: tank or lagoon

Miscellaneous equipment

- floating assemblies
- shrouds
- aerocaps
- bottom baffles
- wall baffles
- draft tubes
- sun shields

