

TurboStar[®]

Directional Mixer



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

TurboStar®

Directional Mixer

The TurboStar® directional mixer is used in municipal and industrial wastewater applications to introduce directional linear mixing into lagoons, equalization basins, sludge holding and/or activated sludge systems. The unit provides thorough circulation and mixing of basin contents. It is excellent for shallow depths and channels. TurboStar is an ideal solution for upgrading, retrofitting, supplementing, or replacing under-performing mixer technologies.

Features and Specifications

- No submerged seals or bearings to maintain
- Engineered three-bladed 316Ti ss spiral self-cleaning propeller for maximum efficiency and consistent high performance
- Durable pontoons with 304 ss framework
- Easy installation
- Available in 3 - 30 HP (2.2 - 22 kW)
- Float and bridge mounting options for flexible installation in any basin



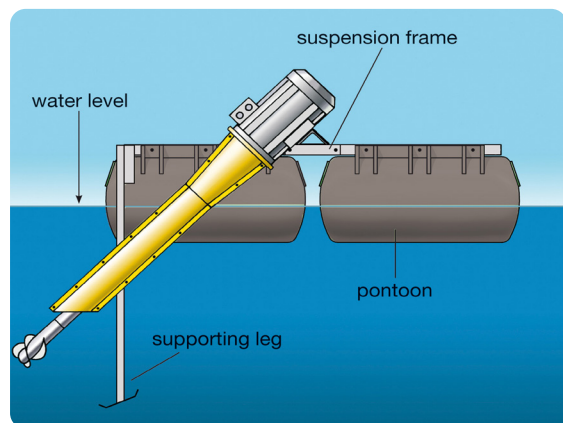
Fix mounted TurboStar®
in an oxidation ditch



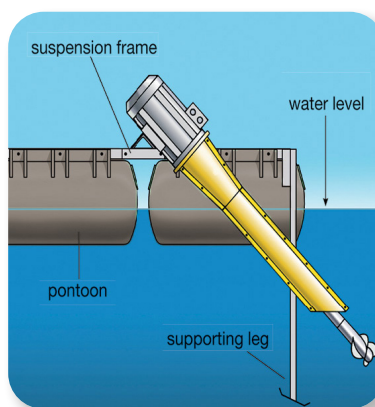
TurboStar® in activated
sludge basin

How it Works

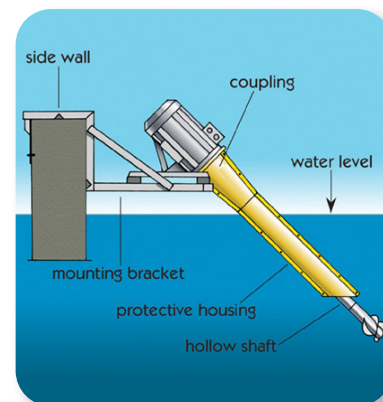
The TurboStar mixes and circulates by rotating a three-blade helical propeller. Ideal for anywhere directional mixing is needed. Only 3 moving parts to make for easier maintenance.



Mechanisms of Mixing



Flotation Mount



Wall Mount

Benefits

- Negligible noise level
- Nearly universal installation into any basin
- Can be installed without dewatering or taking a basin offline
- Minimal maintenance
- No underwater parts to maintain



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The information contained herein relative to data, dimensions and recommendations as to size, power and assembly are for purpose of estimation only. These values should not be assumed to be universally applicable to specific design problems. Particular designs, installations and plants may call for specific requirements. Consult Aqua-Aerobic Systems, Inc. for exact recommendations or specific needs. Patents