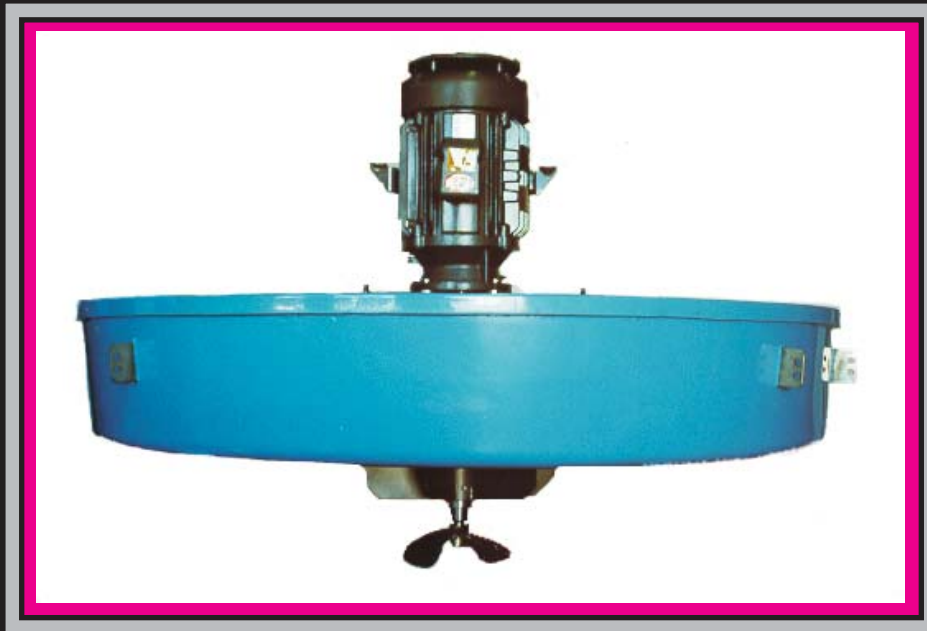




Aquatec Direct Drive Mixing Equipment



-  SBR Systems Mixing and Enhanced Aeration
-  Biomass Suspension and Anoxic Systems Mixing
-  Equalization, Neutralization, Denitrification
-  Blending and Chemical Injection
-  Dual Speed, Variable Speed, & Standard Single Speed
-  Lower Initial and Life Cycle Cost

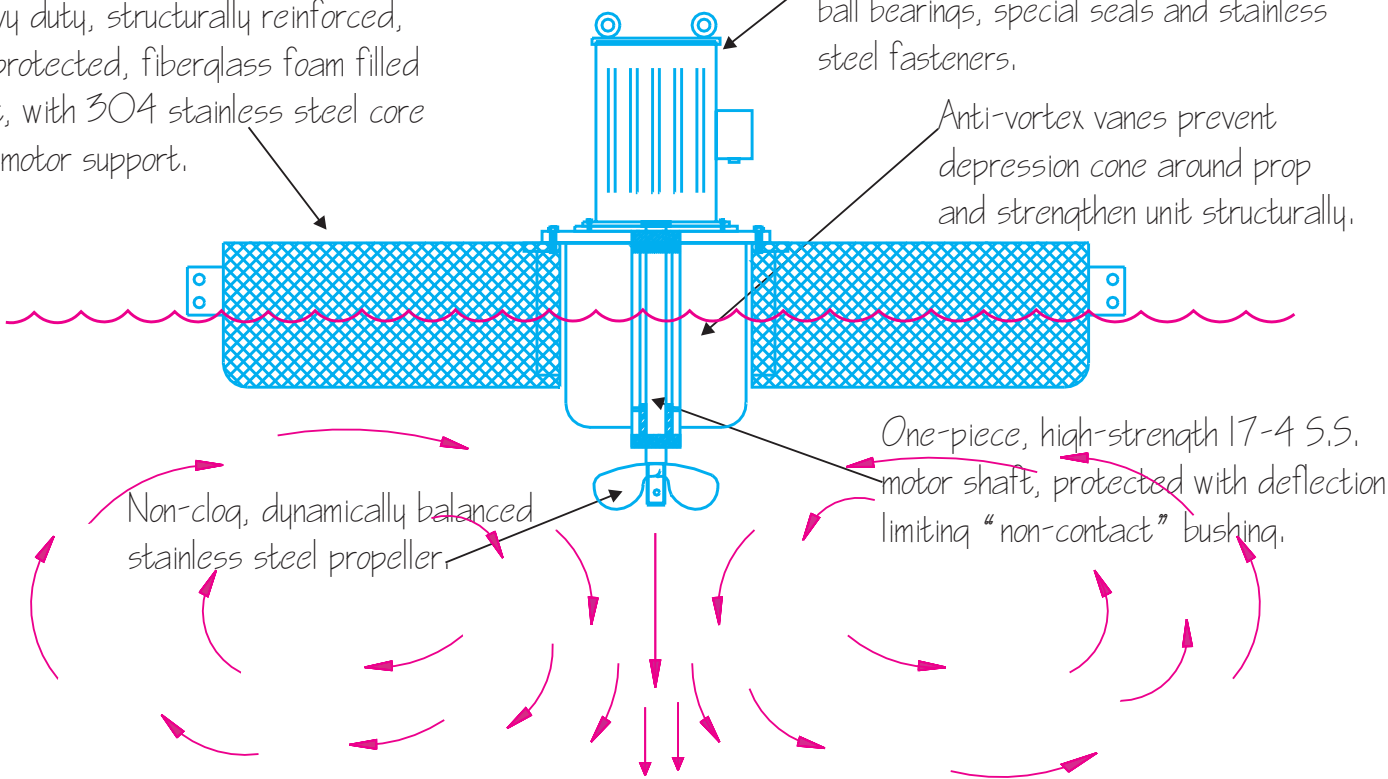
AquaTec Direct Drive Floating Mixer

Design features you do not want to be without!!!!

Heavy duty, structurally reinforced, UV protected, fiberglass foam filled float, with 304 stainless steel core and motor support.

Severe duty T.E.F.C. Motor with long-life ball bearings, special seals and stainless steel fasteners.

Anti-vortex vanes prevent depression cone around prop and strengthen unit structurally.



Benefits you get with the AquaTec Direct Drive Mixer

Performance

- Powerful down-flow pumping action
- Reduced power cost
- Less torque, reduces need for baffles
- Increases mass transfer rate in reactor
- Regenerative flow improves reactor turnover
- Reliable mechanical design for critical processes
- Reduces short-circuiting in flow-through processes
- Less potential for surface splashing and foaming
- No aerosol (wind drift) or surface spray
- Self-adjusting to liquid level changes
- Friendly to fragile bio-mass floc (less shear)

Application Advantages

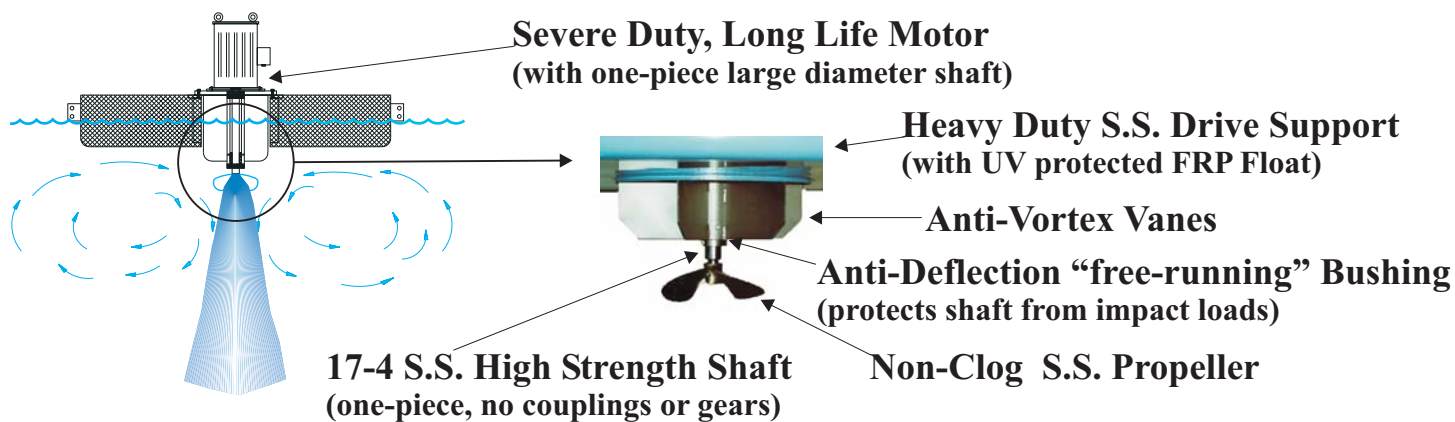
- Easy to install and remove for inspection or service
- Lower initial installed cost and less long term cost
- Easy to maintain, no gear box or coupling involved
- One-piece, high-strength stainless steel shaft
- No submerged bearings to maintain
- No underwater volute or discharge parts to clog up
- Optional dual-speed and variable speed drives
- Optional chemical injection nozzle available
- Special mooring devices for all types of applications
- Available in sizes 3 hp thru 40 hp (as standard)
- Other "special" applications addressed on request

AquaTec, Inc.

1235 Shappert Drive Rockford, IL 61115 (815-654-1500) FAX (815-654-0038) www.aquatecinc.com

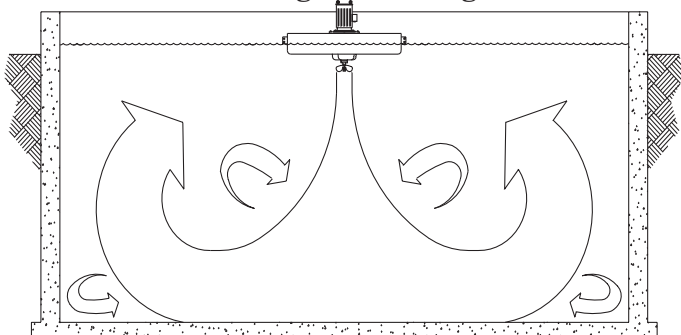
Over 28 Years of Products and Services for Environmental Applications

AquaTec Direct Drive Mixer Benefits & Features



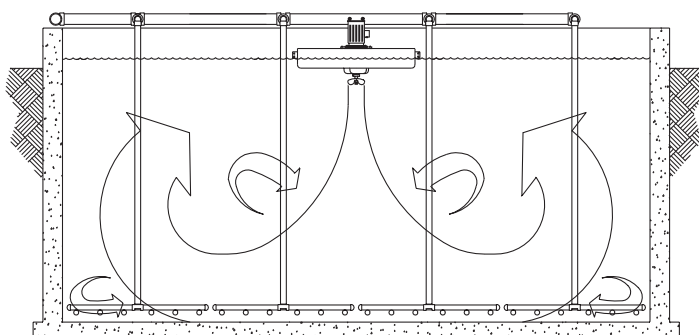
Notice: It is very important to observe that the above AquaTec design does not use any enclosures (volute) around the propeller. Enclosures and the structures that are necessary to support them are "rag traps" that can only be properly cleaned by removing the mixer from service. AquaTec's design provides for 100 percent flow at all times...without debris clogging.

Mixing & Blending



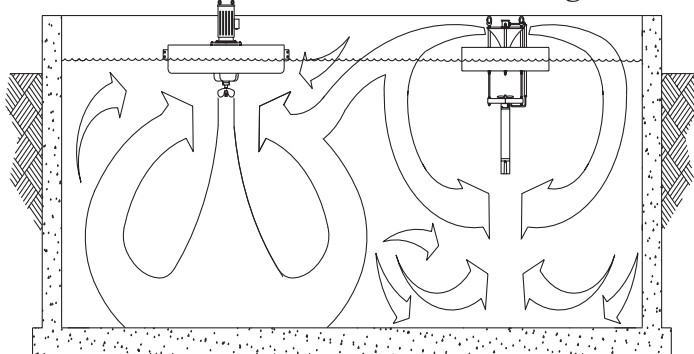
For general mixing and blending the AquaTec Direct Drive Mixer is an excellent choice. The "top to bottom" down flow mixing pattern quickly blends basin contents and increases mass transfer. The direct pumped flow and the entrained flow combine to create high reactor turnover rates.

Combined With Diffused Air



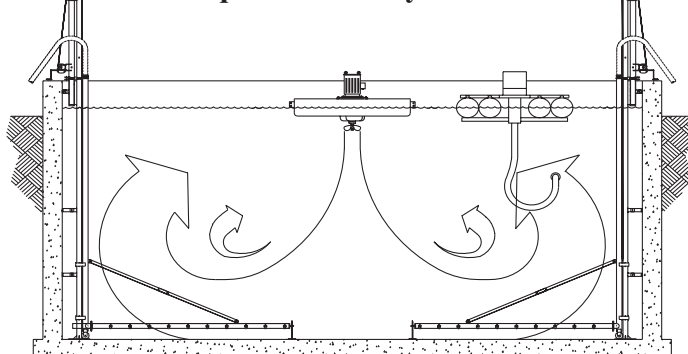
AquaTec Direct Drive Mixers can improve your aeration tank efficiency, lower SVI values, improve clarifier efficiency, and provide increased operator control of the process. Oftentimes, troublesome filamentous growth bacteria can be eliminated. Power savings will likely pay for the cost of the mixers.

Combined Aerator - Mixer Design



Combining the AquaTec Direct Drive Mixer with AquaTec All Weather Aerators (AWA), increase system efficiency and lower power cost in "mixing limited" systems.

AquaTec SBR Systems



AquaTec Direct Drive Mixers are the natural choice for SBR anoxic processes. Their quick re-suspension of biomass to a uniform basin mix quickly increases nutrient uptake efficiency.

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