

# revolutionary thinking went into the design of our products



Introducing the **Revolution™**, a new, easy-to-install, wastewater aerator and mixer that provides dramatic reductions in energy consumption and equipment maintenance over current wastewater treatment devices.

- combines gas transfer and powerful mixing capabilities into one simple reliable device
- meshes elements of commercial marine propellers with closed pump impellers into a single component
- provides oxygen and mixing to effluents without the need for a blower, compressor, in tank piping, diffusers, submerged bearings, seals or electrical components

During field trials the Revolution™ produced significantly higher dissolved oxygen readings in larger volumes of effluent than traditional mechanical aerators!



**REVOLUTION**

[www.revolution-water.com](http://www.revolution-water.com)



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## DESIGNED FOR MINIMAL MAINTENANCE

The simple and robust design elements of the Revolution™ aerator minimize equipment down time and maintenance. Automatic programmable grease dispensers ensure the pillow block bearings of the Revolution™ aerator are properly lubricated for up to 12 months. No more greasing schedules.

The Revolution™ introduces air several meters below the surface of the water keeping mechanical and electrical components dry and free of grit and other debris. This is a significant improvement compared to mechanical splash aerators.

Above the surface, a unique vacuum formed enclosure protects specialty components from the elements, completely covering all rotating components to keep them dry.

With the Revolution™ aerator you just set it...and forget it.

## EXCEPTIONAL 2 YEAR WARRANTY

Decades of engineering and manufacturing experience resulted in the selection of premium components and superior manufacturing processes for the Revolution™ aerator and mixer. The Revolution™ impeller combines aspects of commercial marine propellers for mixing with closed suction impellers for pumping and shear. (patent pending)

- half-inch stainless steel plate and structural tubing for extra rigidity and simplicity
- premium efficiency motors
- heavy duty bearings supported by a programmable auto-lube system
- stainless steel hardware
- custom v-belt tensioner

Simple design and high quality, heavy duty materials enable us to offer the best warranty available for mechanical aerators and mixers.

## ADAPTABLE TO YOUR INSTALLATION

Most structures or floats from existing mechanical aerators allow for modifications to install a Revolution™. If not, we can help design and fabricate a new mounting system.

The Revolution has been installed on:

- Floats from other mechanical aerators.
- Concrete tanks
- Platforms originally designed for slow speed surface aerators.
- The Revolution™ float system
- Steel catwalks
- Custom bases including several modified to fit an ANSI Flange on a sealed process vessel



For more product information, or to speak with a sales representative please call or email our office.

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