



## MODEL F1000DP/050/615: AERATORS

### Description

#### How it Works

**Bearon Aquatics' Surface Aerators** are unique in design, superior in construction, and outlast competitors' models.

Units are suitable for continuous operation and take just a few minutes to install right out of the box.

As water flows through the bottom of the shroud and four additional holes, the propeller mixes and forces the water above the surface through our patented unique design. The high pumping volume degasses the water of nitrogen, carbon dioxide, and hydrogen sulfide while raising dissolved oxygen levels. Degassing gets rid of nutrients which cause algae and weeds, resulting in both clearer water and decreased odor. Aeration also mixes the water, minimizing anaerobic zones in bottom water and bottom sediment surface. This stimulates the conversion of potentially toxic ammonia to nitrite (also toxic), and finally non-toxic nitrate.

Bearon Aquatics' units are shipped complete with mooring lines and power cord. Each surface aerator is comprised of a sealed, submersible electric motor, mounted by support brackets in a PVC shroud, which sits on a custom designed float collar. Attached to the motor shaft is a nylon axial propeller which propels the water at a high volume.

#### Why Buy?

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**Ideal for Aquaculture and Wastewater Applications**  
**Lightweight, Easy to Install, and Simple to Operate**  
**High Oxygen Transfer at an Affordable Price**  
**Ideal for Supplemental Aeration**  
**Salt Water Compatible**  
**Excellent Shallow Water Operations**  
**Water Circulation with Little to No Bottom Turbulence**  
**All Units are Available with Regular or Cast Aluminum Brackets**  
**3-year Limited Warranty**

### **Dual Propeller Aerators**

**The F750DP and F1000DP** are unique to our aerator line. Although they carry the same Bearon Aquatics staple of running under 9 Amps at 115V and 5 Amps at 230V to ensure they save you as much as possible on energy costs, they pump an amazing 25% more water than their single propeller counterparts.

On top of its production and running efficiency, the dual prop assembly creates a unique umbrella flow pattern that makes it aesthetically pleasing, where most aerators just offer surface agitation. These aerators look great with lighting accents as well. The high pumping volume degasses the water of nitrogen, carbon dioxide, and hydrogen sulfide while raising dissolved oxygen levels.

Degassing gets rid of nutrients which cause algae and weeds, resulting in both clearer water and decreased odor. Aeration also mixes the water, minimizing anaerobic zones in bottom water and bottom sediment surface. This stimulates the conversion of potentially toxic ammonia to nitrite (also toxic), and finally non-toxic nitrate.

With our preassembled units, installation can be accomplished in just minutes! Because units are lightweight, for emergency pond aeration, these units can easily be moved from one location to another by a single person.

#### **Date**

2024/10/05

#### **Date Created**

2024/08/29

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