

AerationPlus Model 1800

Technical Specifications

Technology Description- AerationPlus Model 1800 air powered circulation equipment are made of lightweight and long lasting plastic. Anchored from the bottom and self floating, the AerationPlus Model 1800 stays out of sight but allows for mixing of small ponds and lake with no part of the machine above the water. Specifically designed for small ponds and docks.

Materials of Construction - High density polyethylene shell and T316 stainless steel hardware. Syntactic foam flotation with rubberized coating. EPDM weighted air hose, and polypropylene air hose fittings.

50 ft (15.25 m) T316 stainless steel retrieval chain included for machine anchoring.

Recommended Air Flow - 3 to 15 standard cubic feet per minute (0.08 to 0.42 standard cubic meters per minute) @ 1psi (7.0 kiloPascal) + head pressure of water height above intake plate level. 3/4" MNPT air connection point.

Minimum Water Depth - Machine requires 36 inches (1M) of water to effectively circulate. No damage to machine when run dry in shallow water or drained condition.

Water Depth - For air manifold depth settings of less than 10ft (3 m), air pump configurations are recommended. For application at greater than 10ft (3 m), compressor configurations are recommended.

Intake - The chain from anchor to the bottom of the AerationPlus Model 1800 determines the intake level. The Intake draws water in a horizontal layer from the set distance off of the reservoir floor.

Timer - Input voltage: 120 VAC, 60 HZ, 15 Amps General Purpose, 1000 Watts Tungsten, 1/4 Horsepower, 8.3 Amps Ballast (Standard) (Inductive), 500 VA Electronic Ballast. Programmable digital timer for outdoor applications.

Enclosed Area Warning - Air powered mixers should not be used in enclosed areas where methane or other explosive gases could build up. Some gases can explode when combined with air. Please verify that you have proper ventilation to prevent a buildup of methane gas or other gases in the headspace above the explosion limit.

Shipping Size/Weight

- 48" x 40" x 36", 160lbs.

Maintenance / Warranty- Limited maintenance. Limited manufacturer's warranty. See Warranty Statement for details.



Figure 1: AerationPlus Model 1800