

# Technical Data Sheet

## AP500

**Technology Description-** GridBee® air powered circulation equipment are made of corrosion resistant, 316 stainless steel with a durable clog-free design and no moving parts for low maintenance. The AP500 provides mixing in wet wells, lift stations, industrial tanks, open basins and ponds.

**Materials of Construction** - T316 stainless steel frame and hardware. EPDM and PVC air hose and polypropylene air hose fittings. 50 ft (15.24 m) T316 stainless steel retrieval chain included for machine anchoring.

The AP500 will fit through a 13" diameter opening.

**Minimum Water Depth** - Machine requires 18 inches (.46M) of water to effectively circulate. No damage to machine when run dry in shallow water or drained condition.

**Maximum Water Depth** - Powered by a air pump with a maximum diffuser submergence depth of 10ft (3M) Maximum air discharge depth is limited by the air supply pressure available.

**Intake** - The submergence depth on a pedestal unit is simply set by either the floor it rests on or for a suspended unit by the vertical suspending cable or chain.

**AU-200-** 1/2 HP (375 watt) rated air pump unit capable of producing 6.0 standard cubic feet per minute (0.14 standard cubic meters per minute) @ 4 psi (17 kiloPascal). 100% duty-cycle. Connection: Stem for 3/4" I.D. hose. Weather resistant construction, suitable for outdoor use. Ensure unit receives proper shade and ventilation to reduce chance of overheating.

**Electrical Requirements** - 120VAC Air pump requires 120VAC/1PH power source outlet (minimum 20 Amp service), Current range: 3.8 amps (open discharge) - 2.2 (dead head).

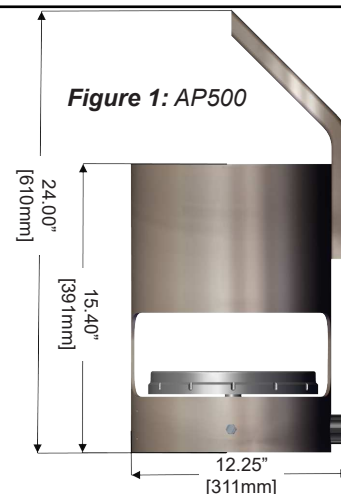


Figure 1: AP500

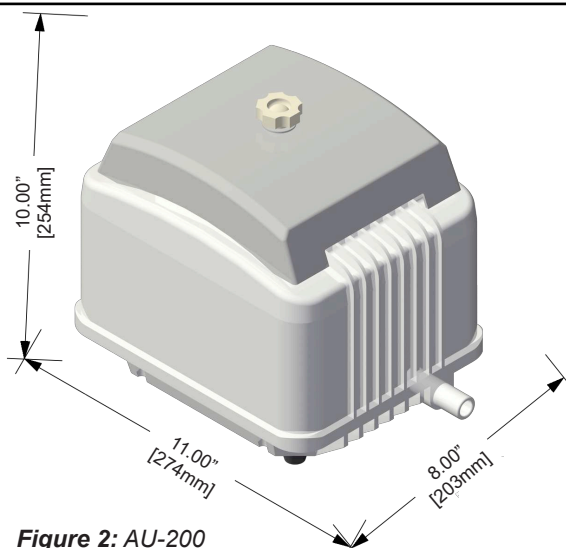
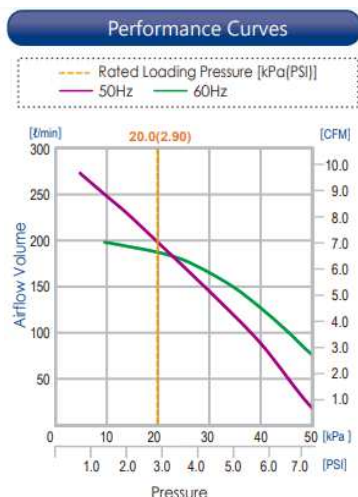


Figure 2: AU-200



**Enclosed Area Warning** - Air pump 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 build-up of methane gas or other gases in the headspace above the explosion limit.

### Shipping Size/Weight

- **AU-200** - 13" x 9" x 11", 26lbs.
- **AP500** - 14" x 14" x 24", 35lbs.
- **50 ft Air Hose** - 22" x 22" x 4", 18lbs.

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

Patent Pending

Subject to change without notice