



**AQUATIC
TECHNOLOGIES**

www.aquatic.net.au



Features & Benefits:

- Made in the USA
- 1 system runs up to 6 diffusers
- Plugs into standard 240v power point
- Low operation costs
- Low maintenance
- Simple installation
- Secure lockable metal casing for efficient and economical operation
- Free Dissolved Oxygen testing kit
- Long warranty

Lake bed aeration systems – the most efficient and cost effective way to aerate water bodies.

Our lake bed aeration systems provide a complete ready to install solution for waterways with low oxygen levels, sludge build up and temperature variances in the water column (stratification).

Over time water ways can develop stratification which is a separation of the warmer top layer of water and the colder deeper layers. Whilst the top layer receives oxygen from the air and supports marine life the bottom layer loses oxygen through anaerobic breakdown of organic matter which can result in foul smells, fish kills, poor clarity, weed and algae growth.

What is Lake Bed Aeration?

Lake Bed Aeration systems oxygenate water bodies by pushing air from an on-shore compressor through airlines to diffusers that sit on the bottom of the water way. Because diffusers are located on the bottom and force oxygen and large amounts of water to the surface they are superior to mechanical aeration both in terms of performance and cost.

By introducing oxygen into the deep water layer organic matter can be broken down aerobically reducing toxic gases and promoting beneficial bacteria inhibiting growth of algae and weeds as they are starved for a food source.

Aqua Control Lake Bed Aeration Systems

Our lake bed aeration systems are available in a professional series designed for 24/7 commercial use and longevity and an eco-version for smaller waterways employing the same high efficiency compressors but in a more cost effective enclosure.

The *AirPro* series can aerate any size of water body and is capable of running between 1 and 6 diffusers per system. Whilst the *AirEco* series can run up to 3 diffusers.

Each diffuser can aerate an area of approximately $\frac{3}{4}$ Acre at 10m deep. Please contact us for an accurate calculation of the system you need as factors such as water body size, shape and depth as well as water quality affect the size of system required.



The Lake Bed Aeration systems come with everything you need ready for installation:

- The compressor unit, complete with enclosure, timer and base
- The required lengths of self-weighted air tubing
- Self-weighted diffusers
- Air tubing fittings (as required)
- Standard 240v power cable
- Dissolved Oxygen Kit for monitoring oxygen levels



Features at a Glance

Enclosure:

The *AirPro* professional series feature a Powder coated aluminium enclosure with a **LIFETIME WARRANTY** against corrosion in fresh water applications

The *AirEco* features a fiberglass outdoor enclosure with a 2 year warranty

The enclosures come with an equipment base eliminating the need for a concrete pad

Air compressors:

- 1/3HP WOB-L or ROK-R Piston compressors are all Oil free
- Compressors only require maintenance every 2 years (except air filter)
- Quiet operation (inaudible at 8 meters)
- Timer included for operation of Lake bed systems
- 2 Year warranty

AirPod Diffusers:

- self-cleaning
- Self-weighted bases – no need to add gravel or weights
- Available in tube or disc style
- 5 year warranty

Airlines:

- Self-weighted so they sink out of sight without weights
- 10 year warranty