

Long Life Low Maintenance Equipment

Lakesaver delivers air into the water. Air is supplied with one of our wide range of oil free compressors and a series of multi outlet air distribution lines anchored to the bottom of the water body. Lakesavers are rated for continuous use and deliver air at the rate of 8 lps - 17 lps. Air distribution lines of up to 75 metres in length are usually placed at between 15 - 20 metres apart.

1. Reduces weed & algae growth.
2. Improves water clarity.
3. Increases living space for fish and crustaceans, by providing a healthier ecosystem.
4. Eliminates odour problems.
5. Prevents seasonal kill of fish and wildlife.
6. Reduces organic bottom sediments.
7. Efficient, and safe with low maintenance.
8. Weather resistant and sound proof cubicle.
9. 12 months warranty.



ABN: 54 255 837 914

69 Oats Street
Carlisle WA 6101

PO Box 429 Cloverdale WA 6985

Telephone: 08 9472 6466
Facsimile: 08 9472 6455
Toll Free: 1800 442 223

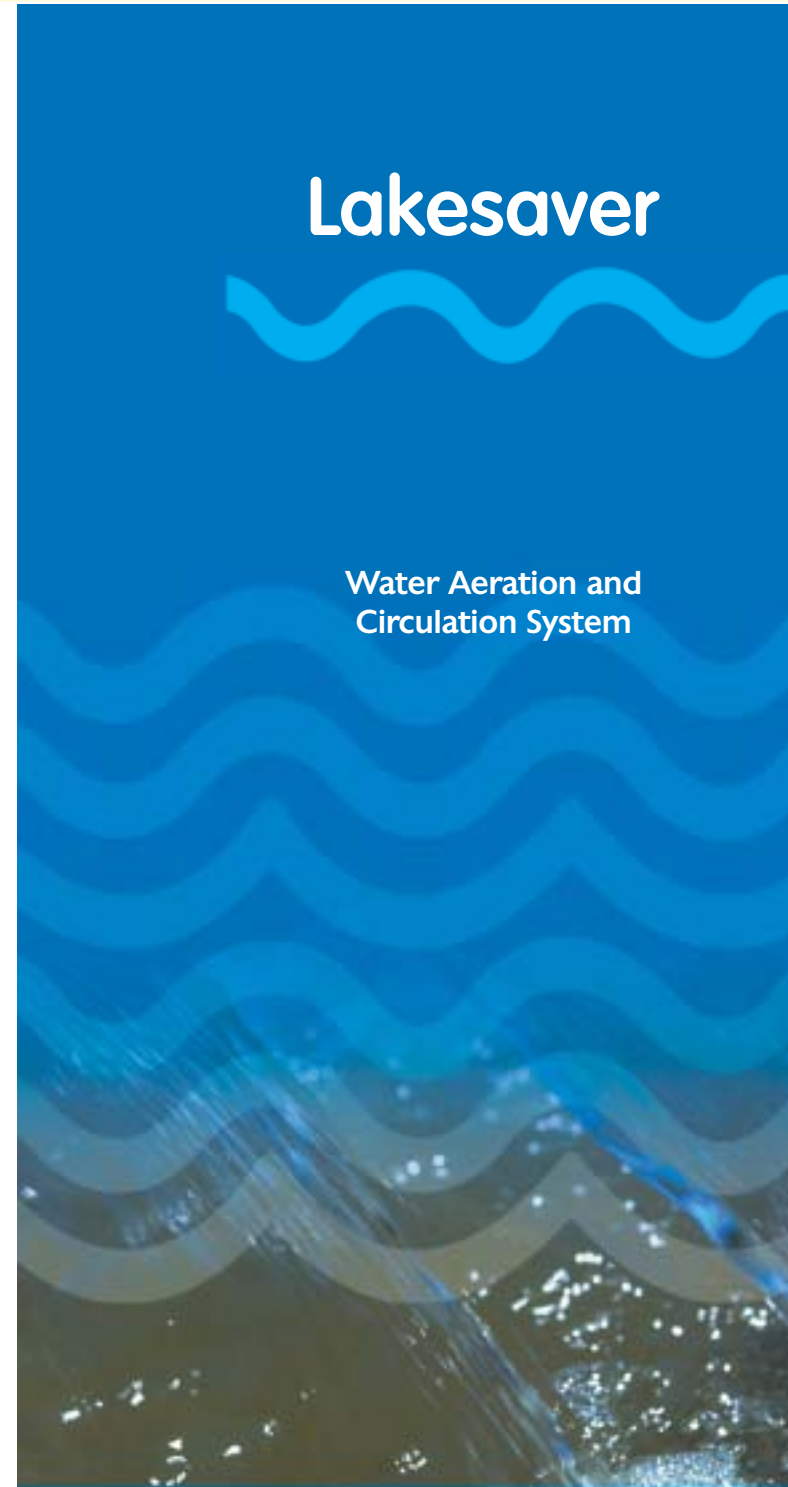
Email: sales@pumpmate.com.au
Website: www.pumpmate.com.au

Contact your local distributor...

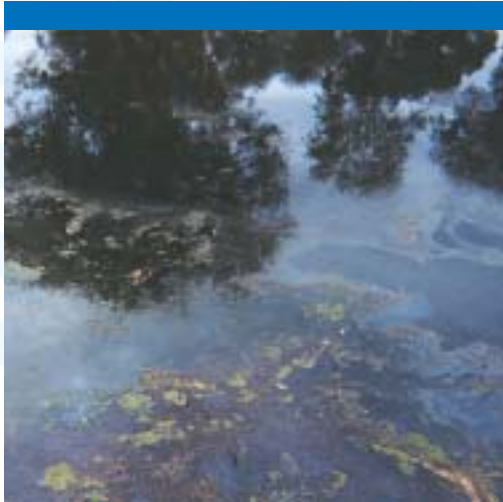
Biostat Engineering

Lakesaver

Water Aeration and
Circulation System



Water Aeration and Circulation



The problems of algae are minimised by the use of a Lakesaver System

Algae are the “weeds” of the water garden. Whether the problem is pea soup coloured water, thick carpets of green hair, or floating globs of olive slime, algae is unsightly and can cause many problems. Wherever there is standing water, light, warmth and nutrients, algae will soon gain a foothold. Unfortunately, a small amount of algae is unavoidable. The Biostat Lakesaver system can do many things to minimise the problems of algae and odour in water. It uses a system of continuous aeration which can benefit water in a number of ways: it reduces or eliminates the need for emergency aeration and water exchange; it reduces the build up of ammonia, blue green

algae and sludge; keeps oxygen near the bottom of the pond, where it reduces nutrient cycling. We have found through our research that proper aeration can greatly improve every aspect of a pond or lake. Fine bubble diffused aeration produces a vertical rotating water motion. This motion creates a momentum which produces mass movement of a large volume of water. We estimate that the entire water volume in an average pond can be recirculated every 10 minutes with the Biostat Lakesaver system.



Continuous aeration can produce and maintain a healthy lake environment.

Lakesaver

Lakesaver conserves energy by NOT throwing water in the air

The Biostat Lakesaver system has a compressor and control system situated on shore where there is a power supply. An air line system is installed around the bottom of the water body. The line releases small bubbles of air in a controlled and even fashion. The columns of air bubbles rising from the lake bottom forces the oxygen depleted water to the surface where it picks up oxygen and returns it to the bottom. Fine bubble diffused aeration is a very efficient process. However, equally important is that it produces excellent mixing and movement of water which reduces the potential development of anaerobic sediment, improves water quality and stabilises the environment.

The efficiency of fine bubble aeration is very high in comparison with other aeration and circulation systems

