

## **BENEFITS OF USING KOI AIR PUMPS**

Fish and other pond life require oxygen-rich water in order to remain healthy. Filter bacteria, essential to the breakdown of highly toxic ammonia and nitrite, also require oxygen to flourish and keep the pond free from the build up of toxic waste.

Use of a Blagdon Koi Air pump will dramatically increase the level of oxygen in the pond and reduce carbon dioxide levels, thus aiding in preventing the pond from stagnating, by injecting air into the water.

Additionally, by placing an airstone directly into the filter chamber, beneficial bacteria, essential to the well being of a pond will be encouraged to grow. This will greatly improve filter efficiency and fish health.

Aeration in the pond is especially important in warm weather, when water holds much less oxygen, and at night, when plants stop producing oxygen and start using it up. Fish seen gulping at the surface, or swimming lethargically may be showing signs of lack of oxygen.

In winter, use a Koi Air pump to keep areas of the pond ice free, thus preventing the build up of toxic gases that can be fatal to fish and other aquatic life.

Oxygenation, provided by the use of a Koi Air pump, is essential when treating fish diseases because:

- (a) Many treatments deplete oxygen from the water
- (b) Sick fish require higher levels of oxygen.

There is no set size of Koi Air pump based on pond capacity. Instead you have to decide how many airstones you require and at what depth; however Blagdon tell us that as an approximate guide, based on average use, the KA25 should aerate ponds 1000 to 5000 litres, the KA50 for 5000 to 10000 litres and the KA65 for 10000 plus litres.

Pumps should be installed in a covered area such as a shed or garage with airlines running to the pond and must NOT be immersed in water or left outside.