

Your Pond-Air Pump

This Pond-Air Pump is a highly acclaimed Aqua-Air Aquarium Air Pump modified specifically for pond use. The Pond-Air pumps can operate at a greater depth through a longer length of airline than the equivalent air pump. Pond-Air Pumps use the same spares as their aquarium equivalents, i.e. Pond Air 1 uses AP2 spares, and Pond Air 2 uses AP3 spares.

Pond-Air Pumps are the result of more than 20 years experience in air pump manufacture combined with use of the very latest materials. The pump is made to Interpet's very exacting standards. To get the best from your pump, please read the following very carefully.



Pond-Air System Applications

Pond-Air pumps fulfil the following applications more safely than a fountain pump because no mains electricity needs to be run outside.

1. To improve filtration.
2. For general aeration and circulation of the pond water.
3. To prevent stagnation of specific areas of the pond.
4. To prevent fish deaths from de-oxygenation.

To do this it should be used:

a) During Summer

Warm temperatures and the atmospheric conditions before thunderstorms both dangerously reduce the oxygen carrying capacity of water. Note: the oxygen level is at its most critical at night when oxygenating plants do not photosynthesise and produce oxygen.

b) After treatment of algae problems

Dead and dying algae consume oxygen.

c) When treating Fish

Sick fish often have difficulty breathing and some treatments lower the oxygen carrying capacity of the water.

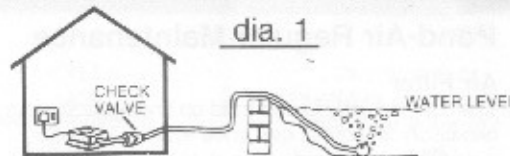
Pond-Air Pumps - Technical Data

Select the correct Pond-Air system for your size of pond using the information in the table below.

Technical Data	Pond-Air 1	Pond-Air 2
Recommended pond size up to	2250 litres (500 gallons)	4500 litres (1000 gallons)
Voltage	220-240 v AC	220-240 v AC
Wattage	4w	5w
No. of outlets	1	2
Air Flow rate	210 lt/hr	330 lt/hr
Operating Depth (max)	140cm (4.5ft)	140cm (4.5ft)

Installing Your Pond-Air System

1. Install the pump in a covered, dry area close to a mains power point, e.g. in a shed or garage. (See dia. 1).
2. Run the silicone airline to the pond. If the length supplied is not sufficient, 100m reels can be obtained from your retailer. Interpet code 2561.



3. Insert one end of the airline(s) into the air pump outlet nozzle(s) and the other into the ball airstone(s) which should then be placed in the pond.
4. Switch on air pump.
5. Position the airstone to provide best aeration and circulation in the pond.

Positioning Your Pond-Air Pump

- a) Location: Position the pump on a firm surface, preferably higher than the water level of the pond. If the pump is below pond water level, use an Aqua-Air Check Valve in the line between the pump and the pond. This prevents water siphoning back into the pump if the power is switched off or fails (see diagram 1).
- b) Ensure the pump or mains connection cannot become wet or be accidentally splashed.
- c) Ensure the pump is not placed on a surface with excessive dust or carpet fibres which may block the air intake filter.

Old-Air Regular Maintenance

Air Filter

Examine regularly for dirt build-up and replace when necessary. In normal use, once every 3-4 months would be a reasonable interval. In very dirty smoke-filled atmospheres more frequent replacements may be necessary.

To replace filter, disconnect pump from mains. Prise the pad from the pump base using a blunt instrument. Insert new **Air Filter Pad**.



Cleaning outside of pump

Disconnect from mains. Use only damp cloth with mild detergent.

Pump Mechanism

No regular maintenance required. Mechanism never needs oil. If required, spares are available through your local retailer.

How to avoid excessive noise

Every Aqua-Air pump is carefully checked to Interpet quality standards before leaving the factory. If your pump appears noisy, please check the following:

1. Is the pump on a "sounding board"?
2. Is the noise coming from the airline tubing?
- the supple, Interpet **Aqua-Air Silicone Airline Tubing** reduces airline noise.

3. Is the airflow unduly restricted? See "How to avoid loss of airflow".
4. Is the pump too powerful for your requirements? If so, bleed off excess air with an Air Valve.

How to avoid loss of airflow

If you have loss of airflow, check the following:

1. Is the air filter blocked? See **Air Filter** above. This can happen particularly if the pump is placed in a very dusty position or on a carpet with loose fibres.
2. Are there leaks in your air system? Check by immersing your air valves and joints in water. **Interpet Aqua-Air Valves** are specially designed to: minimise losses; to give best air control; and for convenient installation.
3. Are there blockages in your airline system? Air valves for instance can become clogged.
4. Is the airline tube kinked, thus constricting airflow? Use **Interpet Aqua-Air Silicone Tubing** to avoid kinks.
5. Are the airstones clogged? Airstones can block due to build-up of dirt or algae.
6. Has excessive back-pressure resulting from points 1-4 caused the diaphragm to tear, necessitating early replacement? See also point 4 in the section above.

Electrical Safety Instructions

1. CONNECTING THE PUMP TO THE MAINS SUPPLY
 - a) Check that the voltage of the mains supply corresponds to the voltage shown on the air pump.
 - b) It is recommended for safety that all pond equipment is best connected through an earth leakage circuit breaker. (RCD).
NOTE: Connection to the mains can be made directly by the plug as fitted.

2. This apparatus is fitted with a 13 amp (BS 1363) plug with a 3 amp fuse. With this or any other type of plug an ASTA 3 amp or 5 amp fuse to BS 1362 must be fitted either in the plug or adapter or at the distribution board.

3. Replacement of plug
Important: This apparatus is double insulated and does not have a third (earth) wire. The wires on the lead should therefore be connected as follows: The blue lead should be connected to the neutral terminal on your plug. This terminal may be marked with an N or coloured black or blue. The brown lead should be connected to the live terminal on your plug. This terminal may be marked with an L or coloured brown or red. **DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL.** If in doubt consult a qualified electrician.

4. Install pump where it will not come into contact with water.

SAFETY PRECAUTIONS

1. Disconnect all appliances in the pond from the mains before putting your hands in the water.
2. This appliance is intended only for use indoors, the airline can be run outside to the pond.
3. If the line cord is damaged, the pump should be returned to Interpet for repair or replacement. The line cord must be replaced with special parts, ref. code 2592 for PA1 & 2593 for PA2.



**MAKE
YOUR POND
SAFE!**

**TAKE EXTRA CARE WHEN
CHILDREN ARE PRESENT!**