

INTERPET

AQUARIUM AIR PUMP

AQUA AIR

There is an AQUA AIR pump to suit all popular uses in the aquarium. For simplicity it is assumed that an air feature is a standard size airstone, an ornament or an air powered filter.

Model	Powers filters in aquariums up to approx.		Size of Airwall		Max no. of other features	Air Flow (L/hr)	Pressure (mbar)
APMINI	46cm (18" long)	OR	1 x 1" Airstone	OR	1	60	0.18
AP1	60cm (24" long)	OR	1 x 12" Airwall	OR	2	120	0.20
AP2	100cm (36" long)	OR	1 x 18" Airwall	OR	4	210	0.17
AP3	128cm (48" long)	OR	2 x 18" Airwall	OR	6	2 x 180	0.19
AP4	150cm (60" long)	OR	4 x 12" Airwall	OR	8	2 x 300	0.19

INSTALLING/POSITIONING YOUR PUMP

Either: 1. Place the pump on a shelf higher than the water level in the aquarium, but not directly above, so the pump cannot fall into the water. The shelf must have a ledge to prevent the pump sliding off (Diagram 1).

Note: For salt-water aquariums, always place pump higher than aquarium as (1) and use an Interpet Check Valve.

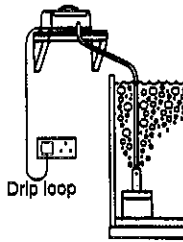


DIAGRAM 1

Or: 2. Place the pump on a surface lower than the water level of the aquarium. If placing on the floor, ensure that there is no excessive dust or fibres from the carpet. Avoid placing the pump where it can become wet or accidentally splashed. Use an Interpet Check Valve in the line between the pump and the aquarium. The Check Valve should be close to the pump outlet (Diagram 2).

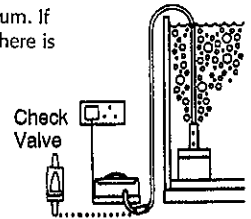


DIAGRAM 2

CONNECTING YOUR AIR SYSTEM

KEY TO SYMBOLS

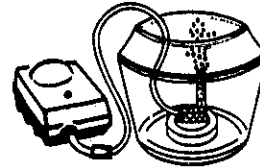
- AQUA AIR AQUARIUM AIR PUMP
- AIRLINE TUBING
- CHECK VALVE
- 3 WAY VALVE
- 3 WAY VALVE & BUNG
- TEE
- EXCESS AIR
- AIRSTONE OR FILTER OR AIR ORNAMENT

CAUTIONS

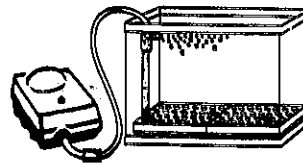
Never let water run into pump when removing filter, airstones, or air ornaments from aquarium.

1. Install an Aqua Air Check Valve.
2. Leave pump running
3. Disconnect tubing from pump.
4. Remove filter, airstones, etc.

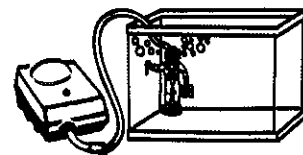
EXAMPLES OF USE



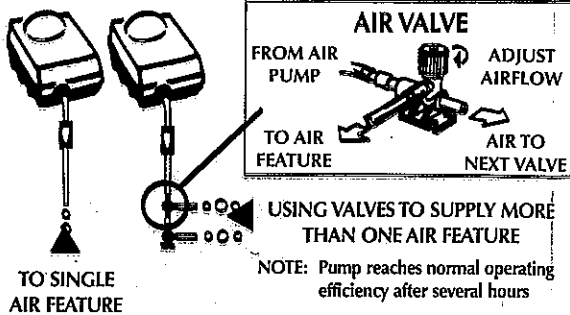
SINGLE AIR FEATURE (UNDERGRAVEL FILTER) IN GOLDFISH BOWL



FILTER UP TO 18" AQUARIUM (UNDERGRAVEL)



TO POWER AN AIR FEATURE



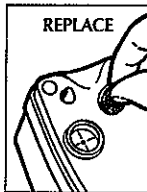
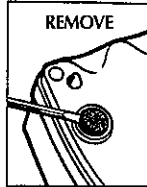
TO SINGLE AIR FEATURE

REGULAR MAINTENANCE

AIR FILTER

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

To replace filter: disconnect pump from mains. Prise the pad from the pump using a blunt instrument and replace with the new Air Filter Pad.



PUMP MAINTENANCE

CLEANING OUTSIDE OF THE PUMP

Disconnect from the mains.

Use only damp cloth with mild detergent.

PUMP MECHANISM

No regular maintenance required. Mechanism never needs oil. The diaphragm and valve assembly will need replacing when they wear out, simply purchase the relevant spares kit from us (see AQUA AIR spares table overleaf) and follow the instructions supplied.

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 shelf creating a vibration.
2. Is the noise coming from the airline tubing? - the supplied **Interpet Silicone Airline Tubing** reduces airline noise.
3. Is the airflow unduly restricted? See "How to avoid loss of airflow".

HOW TO AVOID LOSS OF AIRFLOW

If you have loss of airflow, check the following:

1. Is the air filter blocked? See Air Filter replacement. 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 or, in a marine tank due to salt build-up.
6. Has excessive back-pressure resulting from points 1-3 caused the diaphragm to tear, necessitating early replacement?

ELECTRICAL SAFETY INSTRUCTIONS

It is recommended for safety that all aquarium equipment is connected through a Residual Circuit Device (Earth Leakage Circuit Breaker).

Disconnect all appliances in the aquarium from the mains supply before putting your hand in the water.

Check that the voltage of the mains supply corresponds to the voltage on the pump.

Install the pump in a position where it will not be splashed.

When the electrical socket is lower than the pump - use a drip loop for protection. This loop is made by placing the wire as shown in Diagram 1 overleaf.

Do not let water run into your pump.

When removing filters, airstones or ornaments from the aquarium:

- a) Leave pump running
- b) Disconnect tubing from the air pump
- c) Turn off pump
- d) Then remove filter etc. from the aquarium

NEVER immerse pump in water. If the pump falls into the water, **DO NOT** reach for it. First unplug, then retrieve it.

If the electrical components get wet, do not use, the pump will need to be replaced.

If the pump power cable is damaged, the pump should be replaced.

This appliance is fitted with a removable plug with a tamper-evident seal. If the plug is removed, re-connection must be made using an approved plug or connector.

INSTRUCTIONS FOR RE-WIRING ARE GIVEN BELOW

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 or Cable Tidy. This terminal may be marked with an "N" or coloured blue or black. The **BROWN** lead should be connected to the **LIVE** terminal on your plug or Cable Tidy. 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

This appliance is fitted with a re-wireable plug to BS 1363.

If the fuse needs to be replaced use an ASTA approved 3-amp fuse to BS 1362.

 PLEASE SAVE THESE INSTRUCTIONS