

O2 Plus

Pond One[®]

Models: 4000/8000/12000



Instruction Manual

Important Safeguards

Warning: To guard against injury, basic safety precautions should be observed, including the following:

This appliance is not intended for use by children or infirm persons. Always supervise any child in the vicinity of this appliance, ponds, dams or reservoirs.

Read and follow all safety instructions before using this appliance. There maybe additional electrical safety instructions relevant to your country on page 3.

Warning: To avoid possible electric shocks, special care should be taken where water and electricity are combined, for each of the following situations do not attempt repairs yourself. Return the appliance to an authorised dealer for servicing.

If you have any doubts about the electrical installation you should consult a qualified electrician. Please observe local laws and regulations regarding the installation of ponds and pond equipment. Always abide by these regulations. If in any doubt please consult your local government planning department or authority

All products intended for outdoor installation like pond equipment must be installed with a residual earth leakage circuit breaker (RCCB OR RCCD of 30mA in the supply line to the appliance.

If the appliance shows any sign of abnormal water leakage, or malfunction immediately disconnect it from the power source. Do not attempt repair yourself.

Carefully examine the appliance after installation. It should not be plugged in or connected to the mains power supply when there is water present on parts which are not supposed to be wet.

Do not operate the appliance if it has a damaged power supply cord or plug, or it is malfunctioning, or has been dropped or damaged in any manner.

If the plug or socket does get wet, do not unplug or disconnect the appliance from the socket. Disconnect the fuse or circuit breaker that supplies the power to the appliance, then unplug and examine for presence of water in the socket.

To avoid the possibility of the appliance plug or mains connection socket getting wet, position the switch box or outdoor weather proof socket at least 2 meters from the pond side.

It should also be raised above possible flooding zones.

Always disconnect the appliance from the electrical outlet when not in use; before putting on or taking off parts or before any type of maintenance and cleaning. Never yank or use the power cord to pull it from the outlet or from the pond. Only carry by the main appliance body.

Do not use the appliance for reasons other than the intended use. The use of attachments that are not recommended or sold by the appliance manufacturer may cause the product to be unsafe. We strongly recommend against it.

The appliance should be used with water only. Do not use the blower to pump any gasoline or any solvents that are flammable or explosive.

Do not install or store the appliance where it will be exposed to weather or temperatures below freezing.

Read and observe all the important notices on the appliance type plate.

The appliance comes with 10 meters of mains power cable. If this is to be extended an approved outdoor connector must be used. However faults to your Pond One product due to moisture ingress at such a connection will not be covered by the our guarantee.

The electrical supply cable is sealed into the unit and can not be replaced. If it becomes damaged at all the pump is unusable and should not be used again. It should be disposed of in an environmentally safe way.

NEVER REMOVE OR CARRY THE AIR PUMP BY THE ELECTRIC SUPPLY CABLE THIS WILL DAMAGE THE UNIT AND MAKE IT UNSAFE.

For Guarantee Conditions, please refer to the Guarantee form on page 8 of this instruction manual.

Before First Use / Preparation

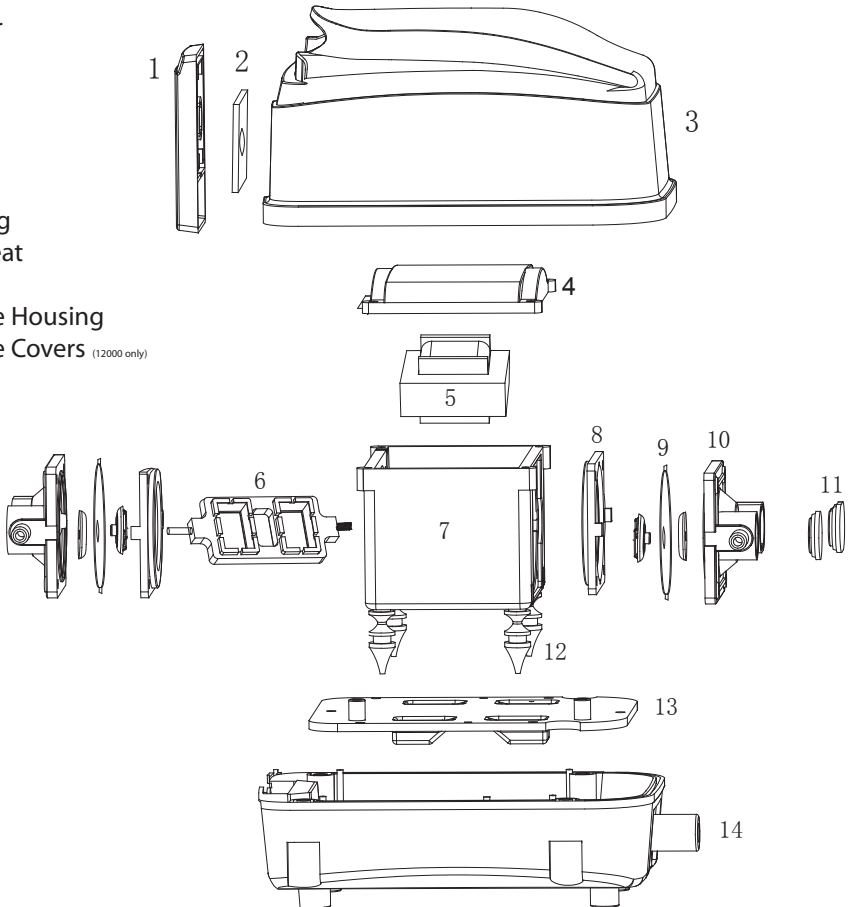
Read and follow all the instructions, even if you feel you are familiar with the product and find a place to keep the instructions handy for future reference. Your attention is drawn particularly to the sections concerning **“IMPORTANT SAFEGUARDS”** and the **“GUARANTEE CONDITIONS”**. Please ensure you retain your original purchase receipt in the event that guarantee service is required.

Carefully unpack the airpump making sure you keep all the packing material until all the parts of the product have been found and the product has been assembled.

This product is shipped to you in a factory sealed carton. Should the product malfunction in any way or if the unit is damaged and requires replacement, contact the retailer where the product was purchased for inspection.

Know Your Blower

1. Air Filter cover
2. Air Filter
3. Lid
4. Motor Lid
5. Motor
6. Shaft
7. Motor Housing
8. Diaphragm Seat
9. Diaphragm
10. Flapper Valve Housing
11. Flapper Valve Covers (12000 only)
12. Rubber Feet
13. Base Plate
14. Base



Connecting your appliance to the mains electricity supply

- Country specific instructions.

Always check local government regulations prior to installing your Pond One product

United Kingdom

According to government guidelines pond equipment intended for permanent installation outside must be supplied without a fitted plug.

These appliances are intended for connection to or hard wiring to the mains supply by means other than a conventional plug and socket

This means either a suitable specialist weather proof outdoor socket or a hard wired socket indoors must be used. All cables from the appliance to the socket should be led through a suitable approved conduit and buried in the ground or raised above the ground so clearly visible. Thus avoiding accidental damage from actions like digging of the ground or mowing of the grass.

A approved earth leakage circuit breaker (RCCB) or otherwise known as an Residual circuit current device (RCCD) must be fitted in the supply line.

The appliance should be connected to the mains supply using the following colour coding. Refer to Diagram 1

Red or brown wire - to the live connection 'L'

Blue or black wire - to the Neutral connection 'N'

Green with Yellow stripe wire - to the Earth connection 'E'

IF YOU ARE IN ANY DOUBT ABOUT INSTALLING YOUR APPLIANCE YOU SHOULD CONSULT A QUALIFIED ELECTRICIAN.

Australia, New Zealand and Hong Kong

In Australia, New Zealand and Hong Kong all products are supplied with fitted plugs. This plug should **NOT** be tampered with in any way or removed. Removal or tampering with the plug invalidates our guarantee offered with this product.

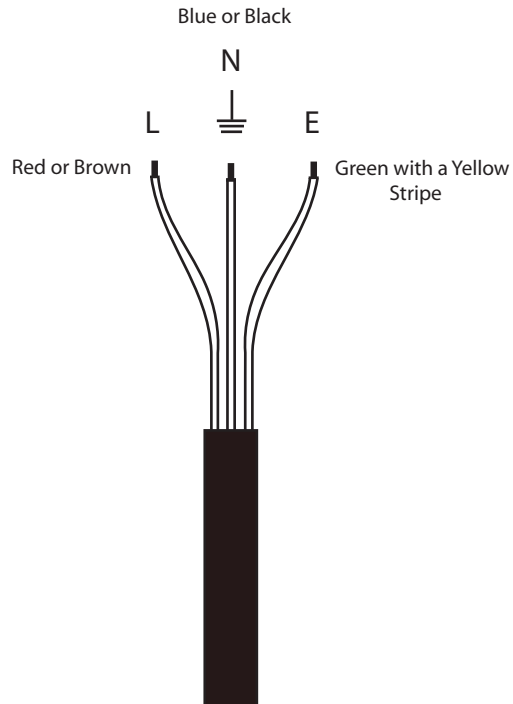


Diagram 1

Air Pump Installation

Installation

Please refer to the following page for suggested installation of the fittings which are supplied with your Air Pump.

Positioning The Air Pump

It is important that the Air Pump is positioned above the water levels at all times! This is to prevent water siphoning back through the air lines and into the Air Pump in an event that the power fails.

The Air Pump should also be protected from the weather and away from the edge of the pond. A weather proof location above the water level of your pond is the ideal location.

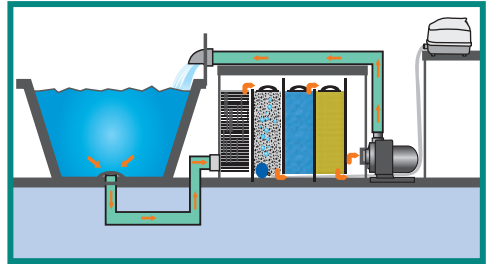
The Air Pump can be used for a number of different applications.

1. Air lines can be run into the pond with air stones attached to the end of them, this will aid in the circulation of water in "dead spots." These are areas in the pond where water does not flow. As a result these areas become breeding grounds for algae and allow toxic gases like ammonia to accumulate. Extra circulation not only helps your fish to maintain their health but also aids in keeping the pond water clean by circulating anything which may have settled on the base to be picked up by the filtration system. Running airlines into the pond can also aid in providing oxygen in the event that the main filtration system fails.



2. Air stones should also be placed in the filtration system to boost the amount of oxygen in the water. This injection of oxygen will allow the nitrifying bacteria (which need oxygen to survive and detoxify ammonia and nitrite) to perform more effectively in the break down of toxins, and replenish oxygen used by this bacteria.

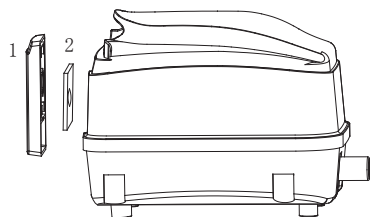
The air stone should not be placed above or below the filter media or in such a way that does not allow solids to settle at the bottom of the filter.



Maintenance

Occasionally the Air Pump will require some maintenance. If the Air Pump becomes noisy or the air output is reduced it could be a torn diaphragm or simpler yet a blocked or dirty air filter. Refer to the diagrams below.

1. In order to clean the air filter turn the Air Pump off at the main power supply.
2. Disconnect the air outlet adapter. Ensure the air outlet adapter is not left on the ground after it is disconnected. Hang it up, make sure it is above the water level of the pond. **VERY IMPORTANT.**
3. Remove the air filter cover and take out the air filter.
4. Hit the air filter against a solid surface to dislodge the trapped dirt. If it is extremely dirty it may need to be washed under water. Ensure the filter element is dry before placing it back into position.
5. Place the air filter back into position and plug the Air Pump in and turn on to test it prior to reinstalling it in its operating position.
6. If the unit is still noisy contact your Pond One retailer to seek further inspection of the unit.



Setting Up Your Air Pump

1. In the accessory pack you will find the following:
Figure 1

- 2 x Spring-loaded Clamps a
- 1 x Rubber Elbow b
- 1 x Multiple Outlet Adaptor c
- 1 x Replacement Air Filter

2. Using your thumb and fore finger squeeze the Spring-loaded clamps together and place one over each end of the Rubber Elbow. Figure 2

3. Move the Spring-loaded clamps on to the Rubber Elbow as far as they will go.

4. Press one end of the Rubber Elbow onto the Outlet of the pump, then Squeeze the Spring-loaded clamp together again and move it so it is clamping the Rubber Elbow down on the Outlet of the pump. Figure 3

5. Press the Multiple Outlet Adaptor into the other end of the Rubber Elbow and Squeeze the other Spring-loaded Clamp together and move it so it is clamping the Rubber Elbow down into the Multiple Outlet Adaptor.

6. Attach your airline to the Multiple Outlet adaptor. Figure 4

7. If you are not using all of the outlets we recommend that you bridge them. Figure 5

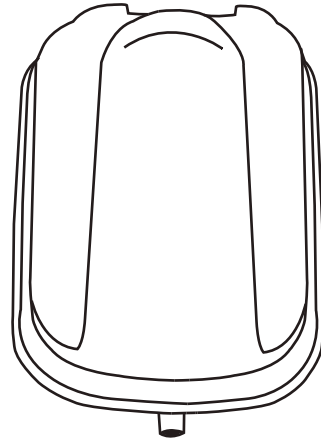


Figure 1

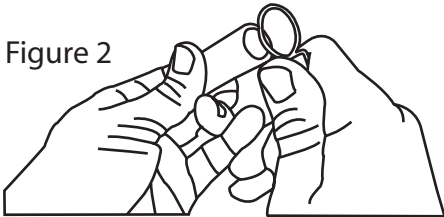
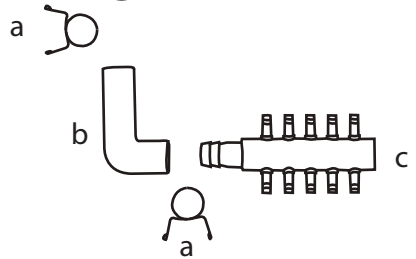


Figure 2

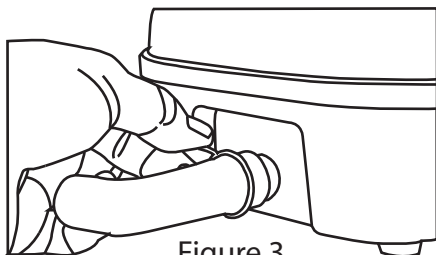


Figure 3

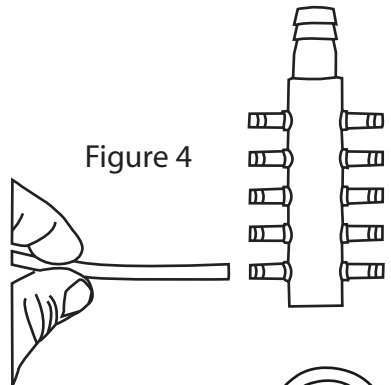


Figure 4

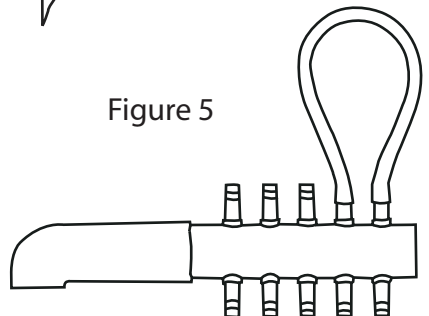


Figure 5

Trouble Shooting

WARNING: Disconnect electrical supply before commencing any work on the Air Pump.

1. THE AIR FLOW HAS REDUCED.

1. Check all airlines for kinks.
2. Check all air stones
3. Check all air outlets if air stones are not being used. They can clog.
4. Clean air filter element according to maintenance instructions.
5. The diaphragm may have a tare in it. Take the Air Pump to your Pond One retailer for further diagnosis.
6. The flapper valves may be soiled or brittle and require replacing. Take the Air Pump to your Pond One retailer for further diagnosis.

2. THE AIR PUMP IS NOT WORKING AT ALL.

1. Verify the pump is connected to the mains supply.
2. Check all fuses, earth leakage circuit breakers and connections. If this all seems OK try an alternative power source.
3. Contact your supplying retailer for inspection.

2. THE BLOWER IS NOISY

1. There may be alot of back pressure on the Air Pump.
2. Ensure none of the hoses are kinked.
3. Check that the air stones are not clogged
4. One of the rubber feet may have become dislodged in transport. Take the Air Pump to your supplying retailer.
5. The diaphragm may have torn. Take the Air Pump to your Pond One retailer for further diagnosis.

Model Information

Model: O₂ Plus 4000
Max Output l/hr: 2100
Pressure Max. MPa: 0.024
Power Consumption: 20W
Power Requirements: 220 ~ 240V
Suitable: Freshwater/Saltwater

Model: O₂ Plus 8000
Max Output l/hr: 4200
Pressure Max. MPa: 0.038
Power Consumption: 47W
Power Requirements: 220 ~ 240V
Suitable: Freshwater/Saltwater

Model: O₂ Plus 12000
Max Output l/hr: 6600
Pressure Max. MPa: 0.032
Power Consumption: 60W
Power Requirements: 220 ~ 240V
Suitable: Freshwater/Saltwater

Notes

Pond One - Guarantee 2 + 1 Year

Congratulations on your purchase of a quality Pond One product. This product will last for many years under normal usage the Guarantee commences from the day of purchase. You must provide proof of purchase when you submit your equipment for repair under guarantee.

The benefits given to the purchaser by the manufacturers guarantee are in addition to all other rights and remedies which the purchaser has in respect of the equipment under the legislation of the appropriate country of purchase.

Your 2 year guarantee can be extended by a further 1 year upon registration with the distributor. This can be done online at the address below or by completing the extended guarantee registration card and returning by post to the address of your country of purchase.

www.aquaone.com.au

General Guarantee Conditions:

1. All claims for guarantee service should be made to the place of purchase.
2. You must provide proof of purchase when you submit your equipment for repair under guarantee.
3. This guarantee extends only to defects occurring in materials or workmanship under normal use of the equipment when operated in accordance with the supplied instructions.
4. Replacement equipment is guaranteed for the remainder of the original manufacturer's guarantee period.

Guarantee does not cover:

- a. Cost of freight, postage or the cost of insurance.
 - b. Service costs arising from failure to correctly adjust the controls of the product or to clean the air lines, air filters, air stones or failure to observe the manufacturer's instructions or inspections that reveal that the equipment is in normal working order.
 - c. Equipment failures caused by misuse, neglect, normal wear and tear, accidental breakage, repairs or modification by unauthorised persons, lightning strikes, mains voltage fluctuation, earthquakes, vermin infestation or liquid spillage.
 - d. Consumables, such as diaphragms and flapper valves.
 - e. In no event will the manufacturer or distributor of that country be liable for any consequential or incidental damage including, but not limited to loss of livestock, property damage, damage to equipment, appliances, furnishings, loss of life, personal injury, lost profits or wages arising from the use of this product or from failure of this product.
 - f. Damaged incurred in transit resulting from inadequate packing.
5. It is recommended that all equipment subject to claim should be prepared for transportation in its original packaging or other suitable packaging which offers the same degree of protection.

Pond Log

Pond Specialist

Name:

Phone Number:

Address:

Contact:

Pond Information

Size (m)

Volume

Pond Location

Date the pond was set up

Date first fish was introduced

Gravel / Substrate

Filtration Information

Filter Type / Flow Rate /

Filter Media

Biological / Mechanical / Chemical

Other Pond Accessories

Power Heads / Brand / Flow rate
.....

Air Pumps / Brand / Output
.....

Ultra Violet Clarifier / Brand / Size
.....

Fish Information

Type of Fish Size Date Added

Food Frequency Amount

Pond Log

Test Date	°C	pH	Ammonia	Nitrite	Nitrate	Carbonate Hardness	Other	Other	Other	Other

Pond One®

Keep an eye out for these & other Pond One products at your local retailer...



Pond keeping has never been easier...

www.aquaone.com.au