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AIR PUMP 1500

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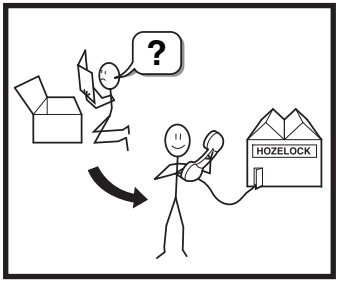


2 YEAR GUARANTEE

INSTALLATION AND OPERATING INSTRUCTIONS. READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

The Hozelock Cyprio air pump is designed for use outdoors. It must not be submersed in the pond. All electrical components are safely housed inside the product.

Important

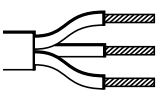
The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1. **WARNING:** ALWAYS UNPLUG OR DISCONNECT ALL APPLIANCES IN THE POND FROM THE ELECTRICITY SUPPLY BEFORE PUTTING YOUR HANDS IN THE WATER WHILST EQUIPMENT IS BEING INSTALLED, REPAIRED, MAINTAINED OR HANDLED.
2. Do not use the supply cable to lift the pump as this may cause damage.
3. If the supply cable is damaged, do not operate the pump.
4. Do not operate or leave the pump in freezing conditions.
5. Check that the voltage marked on the pump corresponds to the mains supply.
6. A 30mA maximum Residual Current Device (RCD) MUST be fitted to the mains supply.
7. Do not operate this pump without the inlet filter and cover attached. Using the pump without AN INLET FILTER may invalidate your warranty.

Installing this product in the garden is classed as 'notifiable' in the Regulations for England and Wales. The Regulations require you to tell your local authority building control department that you intend to install this product before installation. Your local authority will let you know how you can get your installation approved.

Warning: Safety and Electrical Connections

1. The pump is supplied with 3m of 3-core electric cable, which is permanently connected and sealed to the motor. The supply cable cannot be replaced. If the cable is damaged, the pump should be discarded. This product is designed to be permanently wired to the mains supply in a dry weatherproof enclosure through a Double-Pole Switched Fused Spur - (Disconnector) - Fitted with a 3 or 5 Amp fuse. The installation must conform to the national and local wiring regulations.
2. **A 30MA MAXIMUM RESIDUAL CURRENT DEVICE (RCD) MUST BE FITTED TO THE MAINS SUPPLY.**
3. **WARNING: THIS APPLIANCE MUST BE EARTHED AND IT IS ESSENTIAL THAT THE CONNECTIONS ARE MADE USING THE FOLLOWING CODE;**



Brown - Live

Blue - Neutral

Green/Yellow - Earth

The BROWN lead should be connected to the LIVE terminal which may be marked with an 'L' or coloured brown or red.

The BLUE lead should be connected to the NEUTRAL terminal which may be marked with an 'N' or coloured blue or black.

The GREEN/YELLOW lead should be connected to the EARTH terminal which may be marked with an 'E' or coloured green or green/yellow.

4. If an extension cable is required, this should be connected to the end of the pump cable using a weatherproof cable connector. The joint must be positioned in a suitable weatherproof housing. The extension cable should be of 3 core 0.75mm^2 Polychloroprene rubber insulated cable (ref: HO5 RN-F) and permanently wired to the mains supply with a 3 or 5 Amp fuse.
5. The pump cable (and extension cable) should be adequately protected against damage especially where contact with gardening equipment (lawn mowers, forks etc..) children and domestic animals may occur.
6. Always disconnect the mains power supply whilst the equipment is being installed, repaired, maintained or handled. Consult a qualified electrician or local authority if in any doubt about wiring to the mains supply.

Pump Installation

IMPORTANT:
MAXIMUM DEPTH OF AIR STONE IN POND 2M. BY PLACING THE AIR STONE DEEPER THAN 2M YOU WILL FOREGO THE PRODUCT WARRANTY.

1. Place the unit near the pond, on a solid level

surface. Route the cable back to the mains supply. Ensure that you allow for enough cable for positioning the product in the desired location near the pond.

2. Push the rubber outlet pipe over the outlet of the Air Pump and fasten in place using the metal clip provided (See Fig 1 & 2).
3. Insert the air manifold into the end of the rubber tube and fasten in place with the clip provided (See Fig 3 & 4).
4. Push the 4mm air tube onto the end of one of the air outlets and ensure it is securely in place (See Fig 5).
5. To fit the non-return valve to the air pipe, cut the pipe and push the ends onto the inlet/outlet of the valve. This valve only works in one direction, which is indicated by the mark 'OUT' (See Fig 6). This valve ensures that water is not sucked back into the pump if the pump is installed below the pond's water level when the power supply is turned off.
6. Cut the air tube to the desired length. This will be determined by:

a) The location of your pump around the pond

b) The depth at which you want to position your air stone in the pond (MAXIMUM DEPTH = 2m).

7. Attach the other end of the air tube to the 50mm air stone (See Fig 7).
8. Place the air stone in the pond or filter. Locate the air stone(s) in a position to maximise pond aeration. If using multiple air stones ideally position these in different parts of the pond.
9. Attach additional air tubes, valves and air stones if desired following the same installation process described in steps 4-8.
10. Ensure all the manifold outlet valves that don't have air tube attached are closed. This can be achieved by cutting a small length of hose and attaching each end to an outlet, or by tying off a small length of hose. (See Fig 8).
11. If the pump is to be used during the winter it is advisable to raise the air stone(s) up off the bottom of the pond to help avoid circulating cold water.

Pump Location

The pump should be positioned on a solid flat, horizontal surface when in use.

If you do not wish to operate the air pump for 12 months of the year, store the air pump safely in a dry environment and where temperatures will be above freezing.

Maintenance

The Hozelock Cyprio Air Pump has been designed to allow quick and easy maintenance. The air pump contains rubber parts, which can wear over time. The product has been specifically designed to make the replacement of these parts as convenient as possible.

THE MAINTENANCE OF THIS PRODUCT MUST BE COMPLETED BY A TECHNICALLY COMPETENT PERSON. IF IN ANY DOUBT PLEASE CONSULT THE RETAILER WHERE THE PRODUCT WAS PURCHASED.

ALWAYS UNPLUG OR DISCONNECT THE PUMP FROM THE ELECTRICITY SUPPLY BEFORE STARTING MAINTENANCE.

1. The diffusion of air from air stones will deteriorate over time. In order to maximise the efficiency of air output, air stones should be replaced every year.

2. If rubber o-rings and the diaphragm are replaced every year, the efficiency of the pump will be maintained at a consistently high level. A spares kit is available from Hozelock Cyprio.

Tools Needed

- Medium sized Phillips screwdriver.
- A pair of pliers.

Replacing the Inlet Foam

1. Remove screw from the air inlet cover (See Fig 9).
2. Remove the air inlet cover (See Fig 10 & 11).
3. Remove and replace the filter (See Fig 12).
4. Replace the air inlet cover, screw and grommet.

Replacing the Outlet Foams

1. Remove the 6 screws from the base of the air pump (See Fig 13) and remove the lid (See Fig 14).
2. Remove the four screws from the motor base and remove (See Fig 25). Do not remove the earth cable screw.
3. Carefully lift the cable grommet and lift the motor unit from the base moulding (See Fig 26).
4. Replace the foams (See Fig 27).
5. Ensure seals are in place before reassembling the motor unit into the base moulding (See Fig 28).
6. Ensure cable grommet is located correctly in the base moulding.
7. Reassemble the pump lid ensuring that the seal is in place between the lid and base (See Fig 15 & 14).

Replacing the Flapper Valves

1. Remove the 4 screws from the base of the air pump and remove the lid (See Fig 13/14).
2. Locate the rubber L-tube. Detach the L-tube from air chamber cover (See Fig 16).
3. Remove the 4 screws from the air chamber cover;

gently pull the cover away from the pump (See Fig 17 & 18).
4. Remove the securing screw and cover plate from the air chamber housing (See Fig 19).
5. Remove the rubber inlet and outlet covers; care should be taken not to damage these as they act as seals (See Fig 20).
6. Pull out the valves, when replacing the new valves ensure they are fitted from the same direction (See Fig 21).
7. Replace the valves by passing the spigot through the hole and then pulling the spigot from the other side until the lug passes through the hole locking the valve in place (See Fig 22). Cut the spigot back after the valve is securely in place.
8. If the diaphragms are to be replaced then move to step 5 in the following section.
9. Reassemble the product follow the steps in reverse order from step 7. Ensure that the rubber seal is in place between the lid and the base.

Replacing the Diaphragm

1. Remove the 4 screws from the base of the air pump and remove the lid.
2. Locate the rubber L-tube. Detach the L-tube from the air chamber cover (See Fig 16).
3. Remove the 4 screws from the air chamber cover; gently pull the cover away from the pump (See Fig 17 & 18).
4. Remove the centre nut, washers (See Fig 23).
5. Remove and replace the diaphragm assembly (See Fig 24).
6. Replace the washers and tighten the centre nut.
7. Reassemble the product following the steps in reverse order from step 5.

Fault Finding

ALWAYS UNPLUG OR DISCONNECT THE PUMP FROM THE ELECTRICITY SUPPLY BEFORE STARTING MAINTENANCE.

Increased noise / Low air output

1. Check for restrictions to the airflow:
   - Check the air tube isn't kinked or trapped.
   - Check there isn't an obstacle on top of the air tube.
   - Check there isn't a piece of dirt obstructing the air tube.
   - Check the one-way valve in the air tube is operating effectively.
   - Check that the air stone is in good condition and whether it needs replacing.
   - Check to see whether the inlet/outlet foams, rubber seals, flapper valves or diaphragm need replacing.
2. If only using one air stone at a depth of 2m, the backpressure may be causing the noise. Add an extra air stone.
3. The air stones should not be placed at a depth of more than 2m.

No air output

1. Check power is on and the electrical installation is correct.
2. The pump may have over-heated triggering the automatic thermal overload switch. Turn off the power at the mains supply to the pump and check for the cause, including diaphragm, flapper valves and inlet/outlet foams

   If you need further advice either return the faulty product to the point of purchase or contact Hozelock Cyprio Consumer Services on 0121 313 1122

2 Year Product Guarantee

If this pump, excluding the Diaphragm, Flapper Valves, Inlet and Outlet foams and o-rings, becomes unserviceable within 2 years of the date of purchase it will be repaired or replaced at our option free of charge, unless in our opinion it has been damaged or misused.
Liability is not accepted for damage due to accident, improper installation or use. Liability is limited to replacement of a faulty pump. This guarantee is not transferable. It does not affect your statutory rights. To obtain the benefits of the guarantee, firstly contact Hozelock Cyprio Consumer Services who may request that the pump is sent along with proof of purchase directly to the address below.
Damage caused by running the air stone at a depth greater than 2m invalidates the Guarantee.

Contact Details

Contact Hozelock Cyprio Consumer Services on 0121 313 1122 or visit **www.hozelock.com**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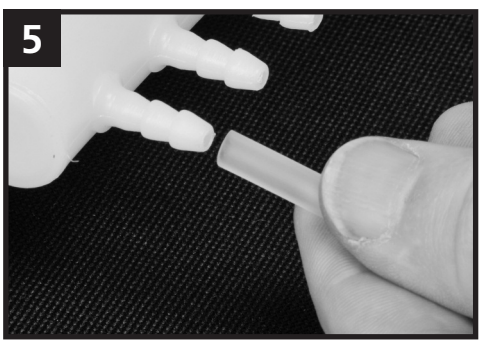
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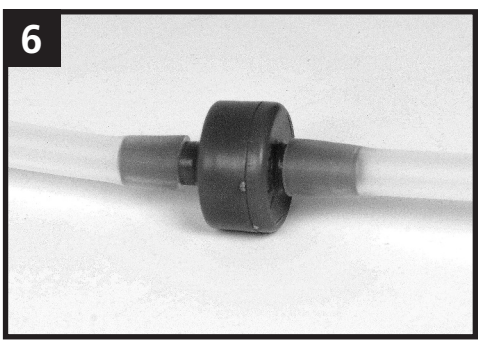
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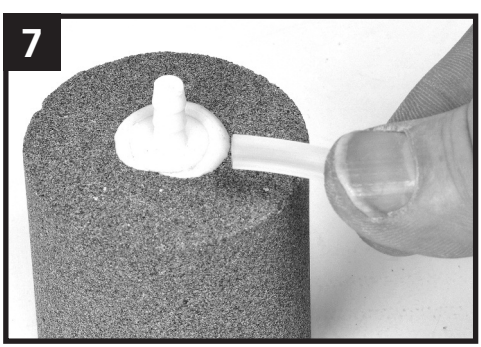
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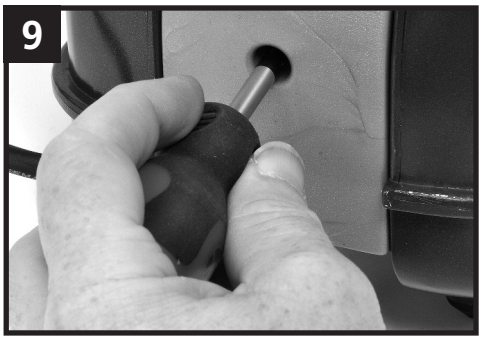
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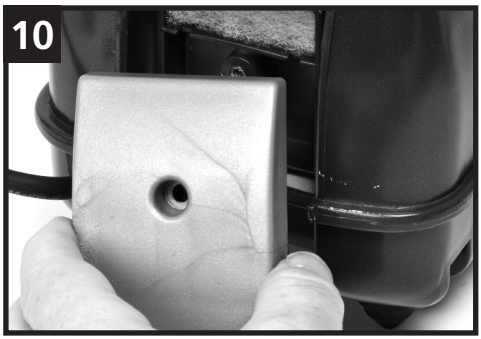
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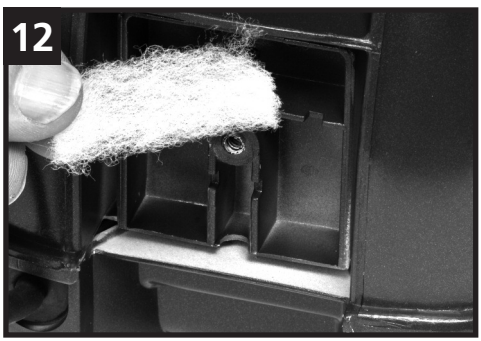
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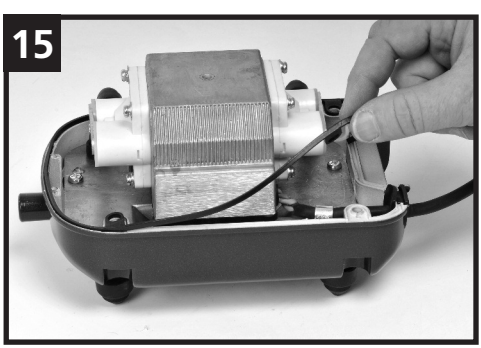
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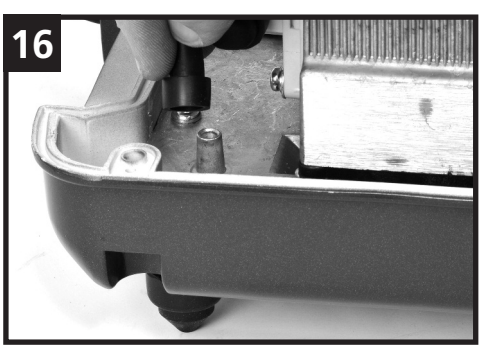
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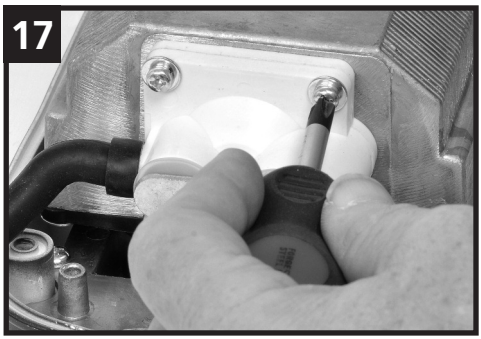
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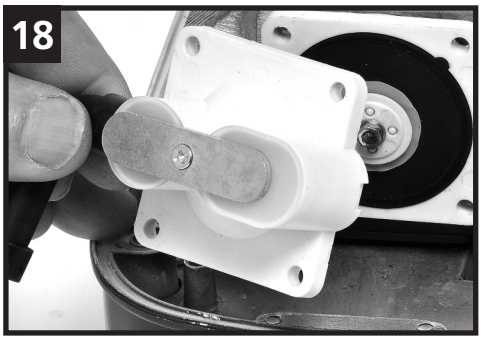
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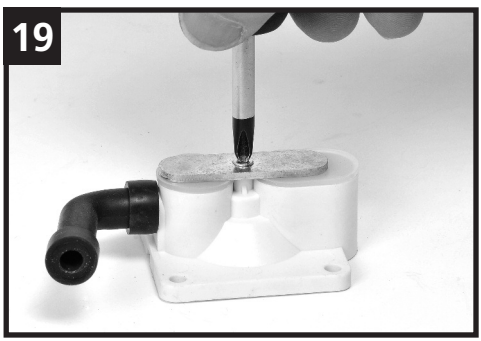
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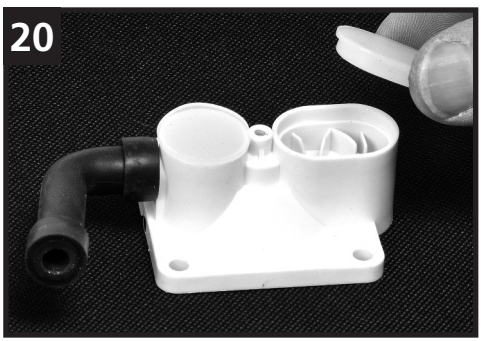
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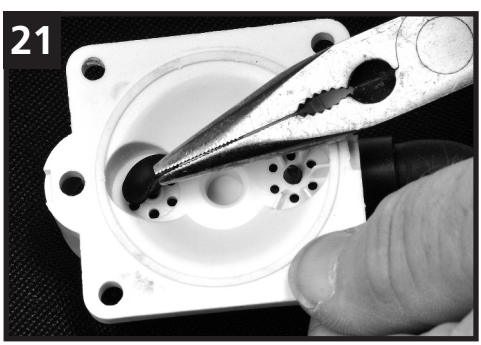
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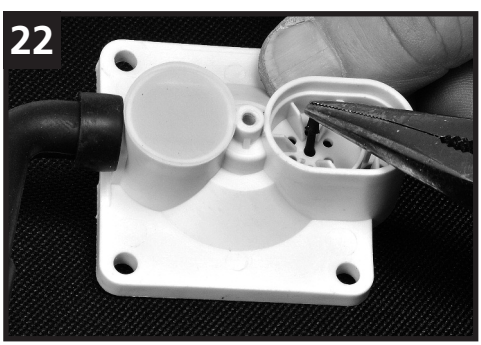
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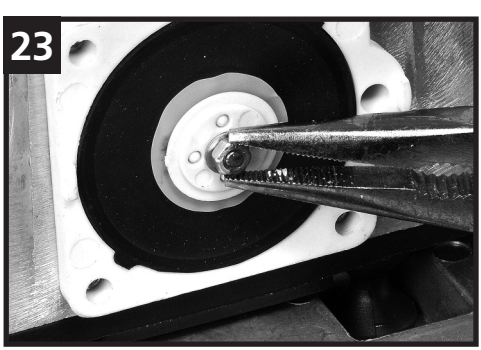
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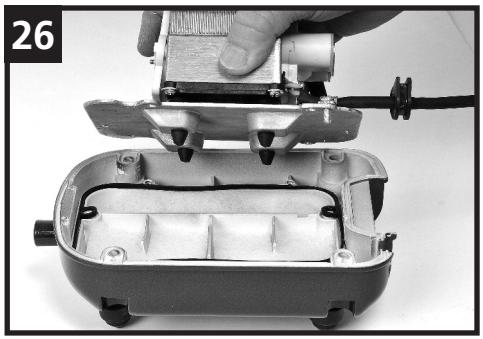

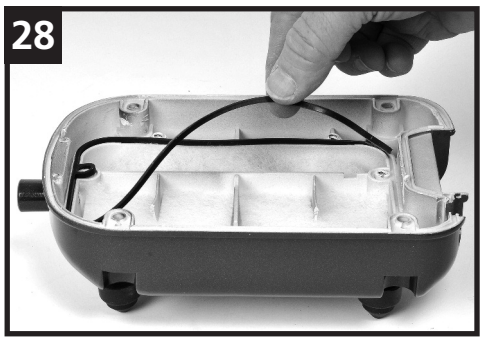

Product Performance

	1500
Volts (V)	230V/50Hz
Power (W)	20W
Max Head (MPa)	0.026
Recommended airstone depth (m)	2m

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This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.