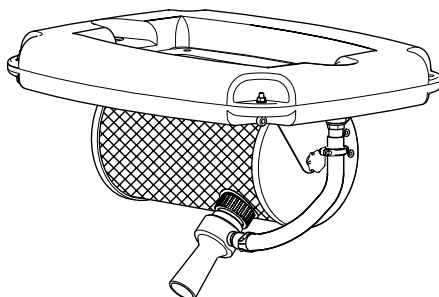




**Warranty, Safety and
Operating Instructions**

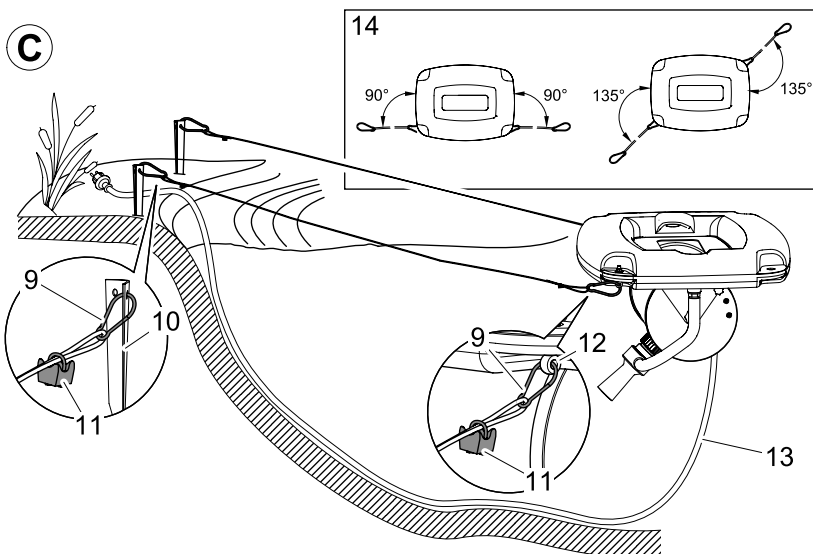
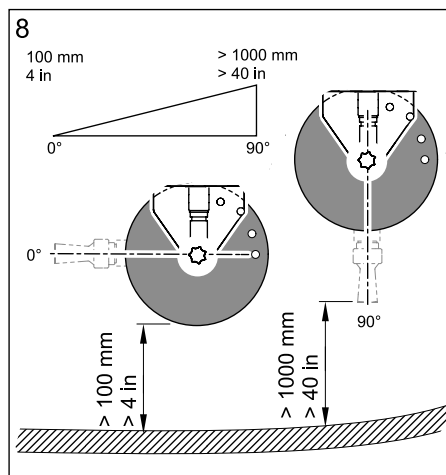
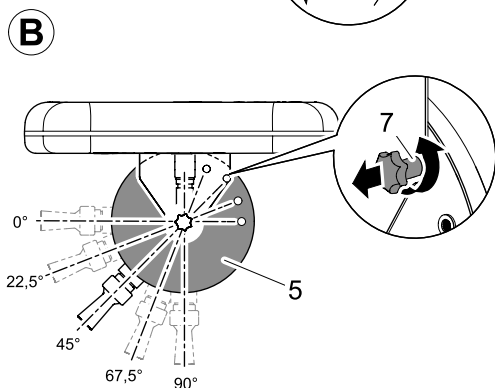
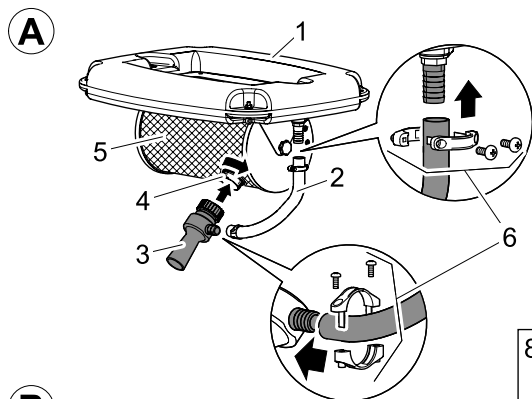
AquaAir 250 LM

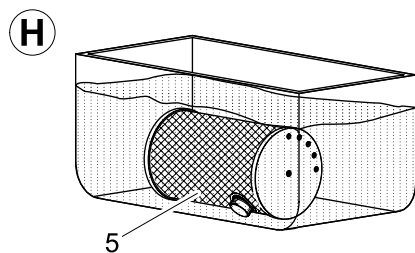
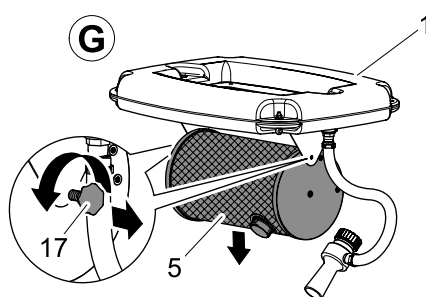
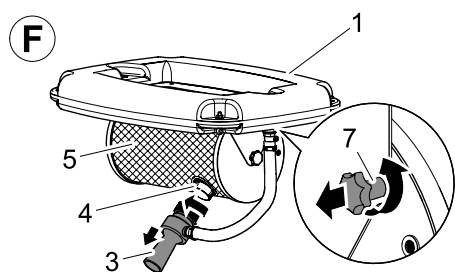
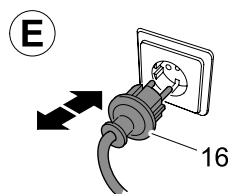
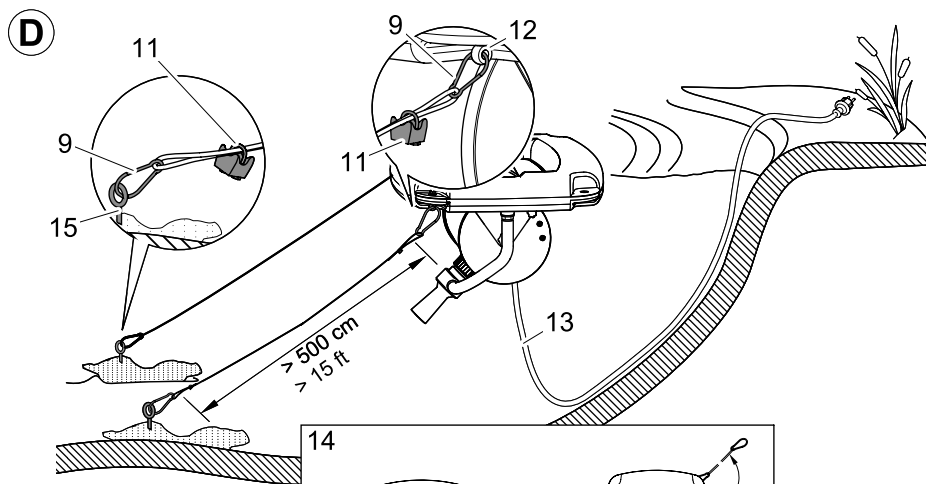


Technical Data

Dimensions	Weight	Rated voltage	Power consumption	Max. flow rate	Max. head height	Connections	Cable length
Dimensions	Poids	Tension nominale	Consommation	Capacité de refoulement	Colonne d'eau	Raccordements	Longueur de câble
Dimensiones	Peso	Tensión nominal	Consumo de potencia	Capacidad de elevación	Columna de agua	Conexiones	Longitud del cable
28,5 x 21,9 x 12,2 in. 725 x 555 x 310 mm	62 lbs 28 kg	AC 120 V, 60 Hz	6 A	7000 g/h 27000 l/h	< 28 ft < 8.50 m	2"	75 ft 22,5 m

IP 68 						
Dust tight. Submersible to 4 m depth.			Do not dispose of together with household waste!		Attention! Read the operating instructions	
Imperméable aux poussières. Étanche à l'eau jusqu'à une profondeur de 4 m.			Ne pas recycler dans les ordures ménagères !		Attention ! Lire la notice d'emploi	
A prueba de polvo. Impermeable al agua hasta 4 m de profundidad.			¡No deseche el equipo en la basura doméstica!		¡Atención! Lea las instrucciones de uso	





Information about this operating manual

Please read the operating instructions and familiarise yourself with the unit prior to using it for the first time. Adhere to the safety information for the correct and safe use of the unit.

Please keep these operating instructions in a safe place! Also hand over the operating instructions when passing the unit on to a new owner. Ensure that all work with this unit is only carried out in accordance with these instructions.

Use

The aerator Aqua Air 250 LM enriches the water with vital oxygen to decompose contaminants resulting from excessive nutrients, such as ammonia/ammoniac or nitrite. Via a bypass (injector), the water flow at the pump outlet creates a vacuum. The air taken in at this point mixes with the outflowing pond water. When used in combination with the OASE products Bacto Plus LM and/or Ground Clear LM, the cleaning process is notably increased by the targeted colonisation of micro-organisms requiring oxygen. Aqua Air 250 LM is recommended for a maximum water volume of 250 m³.

Intended use

The aerator AquaAir 250 LM, in the following text termed unit, may only be used to enrich normal pond water with air at a water temperature of +40 to +95 degrees Fahrenheit. Do not use the unit in swimming ponds.



Safety Instructions

- Check that the electrical data of the power supply network and that on the type plate coincide.
- Only connect the pump to a grounded power **outlet** (GFI) in accordance with the valid local or national electrical codes (NEC, UL, CSA, IEC...). Contact a qualified electrician with any questions.
- Do not use additional components, extension or connection cables or adapters, which are not grounded.
- Never operate the pump while people are in the water.
- **Make sure that** garden ponds meet the local and national installation regulations. Contact a qualified electrician!
- Remove the power cable from the electrical socket prior to handling the pump.
- **Never** carry or pull the pump by the power cord.
- **Always** keep the connection points (power plug) dry.
- Do not operate the pump if cable or casing shows any signs of damage.
- Lay the connection cable such that it is protected against possible damage.
- To avoid potentially dangerous situations, only the manufacturer is allowed to make repairs or cable replacements.

CAUTION: This pump is for garden use. Do not use in swimming pools, spas, hot tubs, etc. Running dry will inevitably cause almost immediate failure and void all warranties implied or otherwise.



Electrical Requirements

WARNING: OASE pumps **MUST** be connected to a properly grounded and GFCI (Ground Fault Circuit Interrupter < 30mA) protected 110-120 Volt AC circuit only. If the electrical cord provided is not sufficient we suggest that you consult a certified electrician and have them install an additional GFCI outlet within reach of the cord. Consult your local power authority for electrical codes or requirements. Avoid excessive flexing of or abrasion to the electrical cord. Any alteration to an OASE pump will result in non-compliance with UL listings and requirements. In such instances all warranties implied or otherwise are deemed immediately void.



WARNING

Risk of electric shock - This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.



Do's

- **Do** disconnect the plug from the receptacle before moving or cleaning the pump.
- **Do** disconnect the plug from the receptacle before entering the water area.
- **Do** have all electrical outlets installed and serviced by a licensed electrician.
- **Do** disconnect the pump from the electrical outlet at the first sign of any problem.

English



Don'ts

- **Don't** use the pump when there are people in the water.
- **Don't** cut the cord or remove the plug from the cord.
- **Don't** remove the grounding pin from the plug.
- **Don't** carry or pull the pump by the electrical cord.
- **Don't** use extension cords.
- **Don't** attempt to open the pump/motor enclosure.
- **Don't** remove any labels from the pump or electrical cord.
- **Don't** pinch, twist or damage the electrical cord. A minor cut even if only in the outer shell could allow water to reach the motor enclosure and damage the pump. If you notice any damage to the cord remove the pump and store in a dry place. Consult your local OASE Dealer for further instructions. Please note that any damage to the electrical cord will void all warranties and could cause serious electrical shock hazard.

Assembly and installation (A-D)

Unit assembly (A)

Screw the injector (3) on the pump outlet (4). Push the hose clips (6) over the injector hose (2) and slide the hose ends on the connection sockets of the injector (3) and on the floating body (1) respectively. Fasten both hose clips (6) at the hose ends over the connection sockets.

Drum adjustment (B)

Turn out the grip screw (7) to arrest the drum (5). Turn the drum (5) until the injector (3) is in the desired position. Tighten the grip screw (7).

Adjustment hints (8): Adhere to the specified minimum distances from the bottom of the pond to ensure the proper function of the injector. When the injector is directed downwards towards the bottom of the pond, it generates deep aeration thereby biologically activating the pond sludge. When the injector is directed at a flatter angle, it generates a stronger water flow.

Unit installation (C,D)

The unit floats on the water. To keep it in position, the enclosed wire cables are fastened to the unit and either to the bank or to the pond bottom.

Anchoring the unit at the bank (C): Shorten the two wire cables to the desired length. Form loops at the cable ends and fasten with the cable clamps (11). Hook the cables into the eyebolts (12) at the floating body by means of bayonet hooks (9). Knock the two tent pegs (10) into the bank ground. Important: Adhere to the specified span angles (14) to prevent the unit from moving. Set the unit in the water and hook the cables to the tent pegs (10) using the bayonet hooks (9). Attention: Pull relieve the connection cable (13) and protect the power plug from moisture!

Anchoring the unit to the pond bottom (D): Shorten the two wire cables to the desired length (minimum 15ft / 5 m). Form loops at the cable ends and fasten with the cable clamps (11). Hook the cables into the eyebolts (12) at the floating body by means of bayonet hooks (9). For anchoring to the pond bottom, screw the enclosed threaded hooks (15) including the dowel, for instance, into two sufficiently heavy stones. Hook both cables with bayonet hooks (9) in the threaded hook (15), lower the stones to the bottom of the pond and set the unit on the water. Attention: Pull relieve the connection cable (13) and protect the power plug from moisture!

Switching on, switching off (Figure E)



Attention! Dangerous electrical voltage.

Possible consequences: Death or severe injury.

Protective measures: Disconnect the power plug prior to reaching into the water and commencing work.

The unit switches on automatically when power connection is established.

Switching on: Plug the power plug (16) into the socket.

Switching off: Disconnect the power plug (16).

Cleaning

Disconnect the power plug (16) prior to starting cleaning work!

If necessary, clean the filter housing under clear water using a soft brush.

Storage/Over-wintering (F-H)

Take the unit out of operation when temperatures below zero are to be expected. Remove the unit from the water, unscrew the injector (3) from the outlet (4) and remove the grip screw (7).

Remove the two grip screws (17) and take the drum (5) off the floating body (1). Clean the floating body (1) and the drum (5) under running cold water.

Store the drum (5) submerged in a container filled with water. Do not immerse the power plug in the water! Ensure that the storage place is inaccessible to children.

Store the floating body (1) in a dry and frost protected place.

Malfunction

Malfunction	Cause	Remedy
Pump does not start	No mains voltage	Check mains voltage Clean, check supply lines
Pump does not deliver, insufficient delivered quantity	Drum blocked	Clean drum
Pump switches off after a short running time	Excessively soiled water Water temperature too high	Clean pump Note maximum water temperature of 95°F / +35°C

Limited Warranty

This OASE AquaAir 250 LM is covered by a **3-years** limited warranty by OASE. The limited warranty period begins from the date of purchase and covers material and manufacturing defects or failure of the product to operate as specified by OASE during the duration of the limited warranty period.

This limited warranty does not cover failure or problems related to:

- Improper installation see this manual for proper installation procedures.
- Modification of the product in any way including attempts to repair the product by someone other than an OASE trained and authorized repair technician.
- Failure to follow proper safety, care and maintenance guidelines as outlined in this manual.

It also does not cover those parts of the product that are subject to normal wear and tear during usage of the product, such as:

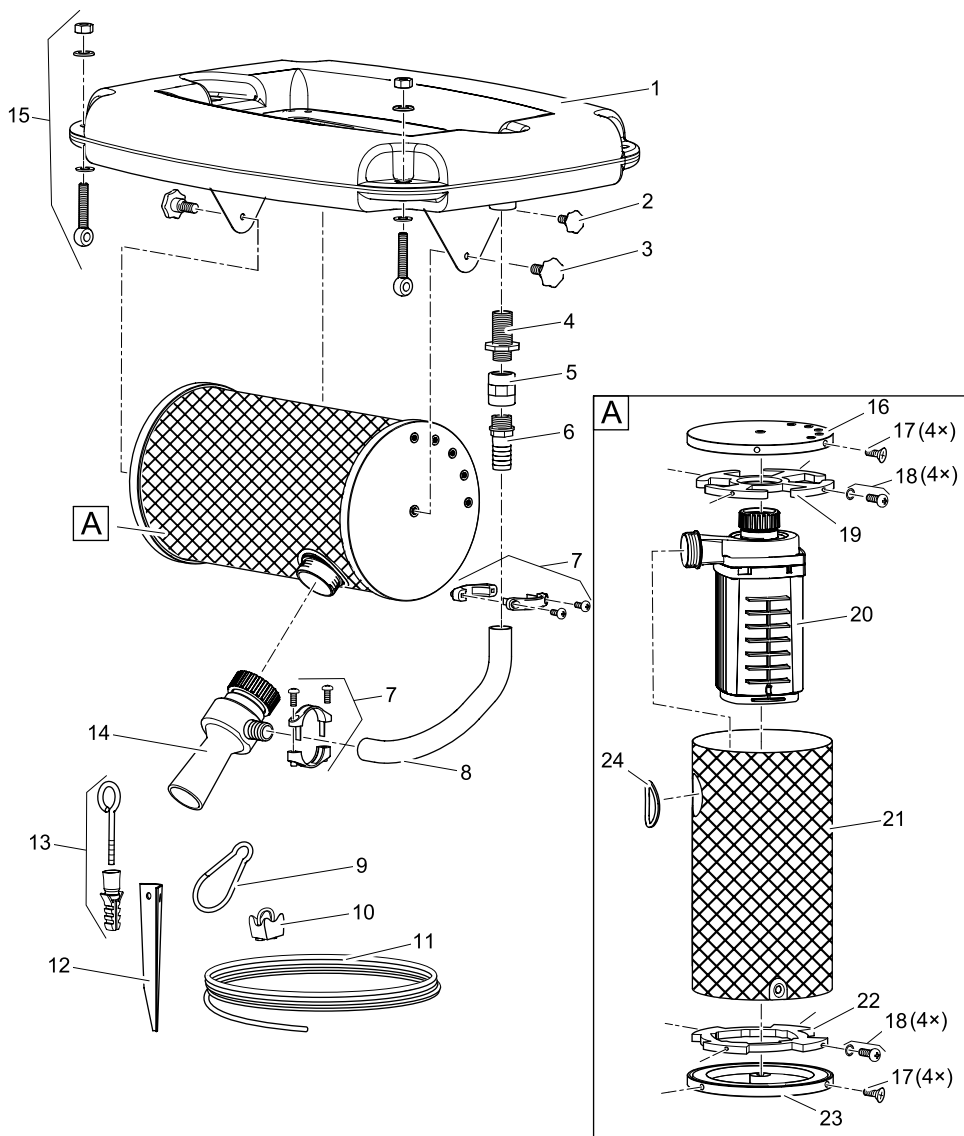
- Impellers on pumps
- Filter pads and filter medium in filters
- Lamps in lights and UV clarifiers

OASE's sole liability shall be to replace or repair the product covered by this limited warranty. OASE shall not be liable for any consequential damage to any other part of the water garden, pond, water feature, landscape, structure, or the contents of any structure where the product is located or used including no liability for damage or harm to fish, animals, or plants in or around the water garden, pond or water feature.

THE EXPRESS WARRANTIES SET FORTH HEREIN ARE THE ONLY WARRANTIES WITH RESPECT TO THE PRODUCTS, AND THE REMEDIES SET FORTH HEREIN ARE THE EXCLUSIVE REMEDIES IN THE EVENT OF A BREACH OF SUCH WARRANTIES. OASE EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. OASE SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, FOR ANY BREACH OF SUCH WARRANTIES OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, to the above limitation may not apply to you.

Should your OASE product be defective or fail under the terms of this limited warranty, you should return the product to your OASE dealer, along with your original receipt of purchase and any other limited warranty documentation you have, for replacement or repair.

Should you have any question about this limited warranty, please contact OASE at warranty@oase-livingwater.com





OASE

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