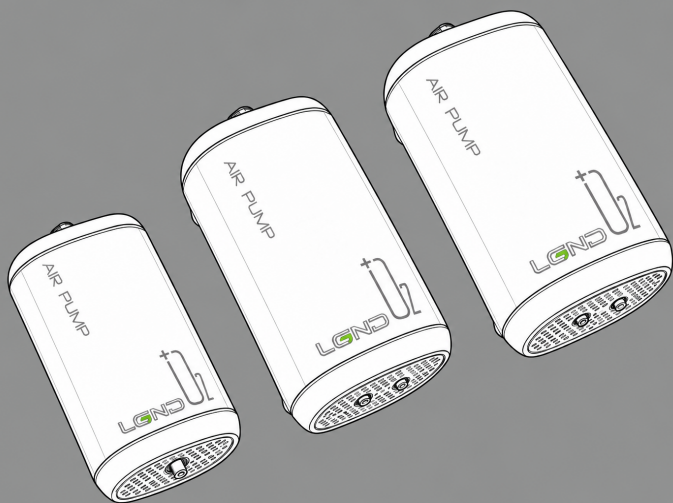




# **AERIS**

**MODEL Q-18/Q-28/Q-48**

**INSTRUCTION MANUAL**

## Mains Air Pump

①



① LGND Aeris Q-18

A compact rechargeable air pump designed for reliable everyday aeration and emergency backup.

It features a 2600 mAh battery, a single air outlet, automatic power-failure operation, and Continuous or Intermittent modes.

②



② LGND Aeris Q-28

A powerful rechargeable air pump designed for larger aquariums and higher aeration demands.

Its 4800 mAh battery, dual air outlets, automatic power-failure operation, and Continuous or Intermittent modes provide dependable, flexible performance.

③

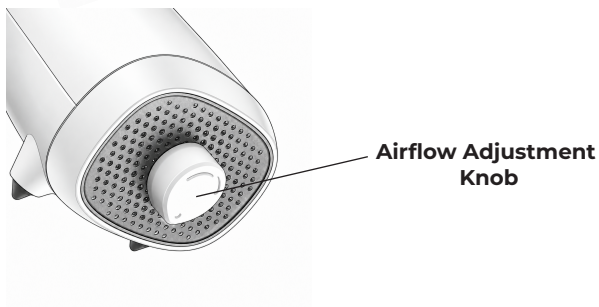


③ LGND Aeris Q-48

A powerful rechargeable air pump designed for larger aquariums and higher aeration demands.

Its 4800 mAh battery, dual air outlets, automatic power-failure operation, and Continuous or Intermittent modes provide dependable, flexible performance.

### PRODUCT DIAGRAM



#### **Airflow Adjustment Knob**

Applicable to LGND Aeris Q-28 and Q-48 models only.

Rotate the airflow adjustment knob to increase or reduce the volume of air delivered by the pump. Adjust the airflow gradually until the desired aeration level is achieved.

LGND Aeris Q-18: This model does not have an integrated airflow adjustment knob. The airflow may be regulated using a compatible inline Air Flow Controller, available separately.

Important: Do not close the airflow controller completely while the pump is operating.

## Mains Air Pump

### AERIS MAINS AIR PUMP

#### AERIS MAINS AIR PUMP

The LGND Aeris Q Series provides reliable, quiet and energy-efficient aeration from a continuous mains supply. Choose from one- or two-outlet models for air stones, sponge filters and other air-driven aquarium accessories.

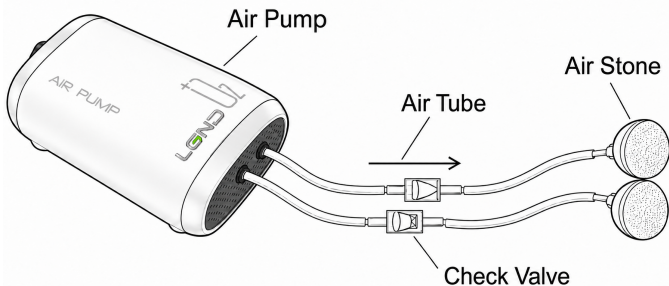
#### Product Features

- Continuous mains-powered aquarium aeration
- Quiet, energy-efficient operation
- Stable body with vibration-dampening feet
- Suitable for air stones, sponge filters and air-driven accessories
- Q-18: one outlet, 3 W, 1.5 L/min
- Q-28: two outlets, 6 W, 2 x 2 L/min, adjustable airflow
- Q-48: two outlets, 8 W, 2 x 3 L/min, adjustable airflow
- UK BS 1363 plug fitted with a 3 A fuse

| Model NO. | Power supply | Power | Air outlets | Airflow     | Tank Volume |
|-----------|--------------|-------|-------------|-------------|-------------|
| Q-18      | 220-240 V AC | 3 W   | 1           | 1.5 L/min   | ≤100 L      |
| Q-28      | 220-240 V AC | 6 W   | 2           | 2 x 2 L/min | 300 L       |
| Q-48      | 220-240 V AC | 8 W   | 2           | 2 x 3 L/min | 600 L       |

#### AERIS MAINS AIR PUMP Design

The LGND Aeris Q Series combines a clean white housing, softly rounded corners and a refined glossy finish. Side-mounted air outlets keep tubing organised, while the stable body and vibration-dampening feet support quiet operation. Q-28 and Q-48 include an integrated airflow adjustment knob; Q-18 can be regulated with a compatible inline Air Flow Controller



## Operating Instructions

### These instructions apply to LGND Aeris Q-18, Q-28 and Q-48.

**1. Position the air pump**

Place the pump outside the aquarium on a dry, stable and level surface. Whenever possible, position it above the maximum aquarium water level.

**2. Connect the air tubing**

Attach an air hose securely to every outlet being used. Connect the other end to a suitable air stone, sponge filter or other air-driven accessory.

**3. Install the check valve**

Fit a check valve in each hose, with the airflow arrow pointing towards the aquarium. This helps prevent water from flowing back into the pump.

**4. Place the air stone**

Position the air stone inside the aquarium. Ensure that the tubing is not bent, pinched or blocked.

**5. Connect to the mains supply**

Make a drip loop below the socket, then insert the UK mains plug into a correctly installed indoor socket protected by an RCD with a rated residual current not exceeding 30 mA.

**6. Start the pump**

The pump starts when connected to the mains supply and provides continuous airflow.

**7. Adjust the airflow**

On Q-28 and Q-48, rotate the integrated airflow knob gradually. Q-18 airflow may be regulated with a compatible inline Air Flow Controller. Never close the airflow completely while the pump is operating.

**8. Final check**

Confirm that bubbles are released evenly, hoses are unobstructed, the pump remains stable and dry, and the drip loop is correctly formed.

**9. Switch off**

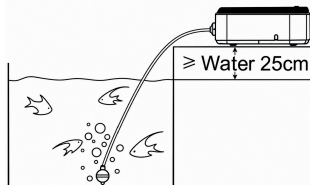
Disconnect the mains plug before cleaning, maintenance or changing any connection. Always pull the plug, never the cable.

Important: The pump is not waterproof. Never immerse it or position it where it could fall into the aquarium

## Installation and Use

### (Fig. A) Installation without check valve

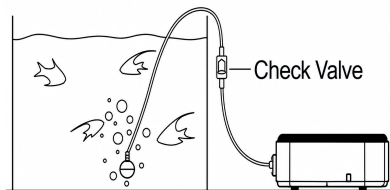
Place the air pump 25 cm (approximately 9.8 inches) higher than the water surface in the tank to avoid water backflow.



Installation without check valve

### (Fig. B) Installation with check valve

If the air pump is placed below the level of the water surface in the tank, you **MUST** install the air pump with check valves. If you do not use a check valve, the water will drain back to the pump, resulting in damage to it.



Installation with check valve

## Mains Air Pump

1. If the air pump is placed below the level of the water surface in the tank, you **MUST** install the air pump with check valves. If you do not use a check valve, the water will drain back to the pump, resulting in damage to it.

(Fig. A) : Place the air pump 25cm (approximately 9.8 inches) higher than the water surface in the tank to avoid water backflow.

- Please read this user manual carefully before using it and follow it strictly.
- Please install the air pump with check valves or place the air pump 25cm (9.8 inches) higher than the water surface to avoid water backflow and potential damage to the pump.
- Place the pump on a stable, level surface. If additional vibration reduction is required, use a suitable non-slip vibration-damping mat without obstructing the ventilation openings.
- Please keep the air pump away from water since it is not waterproof.
- Please keep the air pump away from flammable items to avoid accidents.
- Do not open or attempt to repair the pump. Contact the retailer or an authorised LGND service centre if the pump produces abnormal noise, overheats or stops delivering air.
- Please soak the air stones for 1-2 hours before first use to get perfect bubbles with this pump.
- Please note that airflow loss is usually caused by a clogged air stone, which is the result of algae, floating debris, and mineral deposits accumulated in the pores.
- If you notice a diminished airflow, try blowing through the air stone by yourself. If it is difficult, replace the air stone.
- Please unplug the power before maintenance.
- Please note that the operating temperature range for the air pump is between 33.8°F-95°F (1 °C-35°C).

## General user instructions

### Information on using the operating manual



- ▶ Before using the appliance for the first time, the operating manual must be read fully and understood.
- ▶ Consider the operating manual as part of the product and keep in a safe and accessible location.
- ▶ Enclose this operating manual if passing the appliance on to a third party.

### Symbol explanation

The following symbols are used on the appliance.



The appliance must only be used indoors, and exclusively for aquariums



The appliance is of protection class II.

**IPX4**

The symbol advises that the device is protected against splashed water.



The appliance is certified according to the relevant national regulations and directives, and conforms to EU standards.

The following symbols and signal words are used in this operating manual.



**DANGER!**

The symbol indicates imminent danger that can result in death or serious injury.

# Mains Air Pump



## **DANGER! Electric shock!**

The symbol indicates imminent danger from electric shock that can result in death or serious injury.



## **DANGER FROM MAGNETIC FIELDS!**

The symbol indicates imminent danger that can result in a health hazard.



## **WARNING!**

The symbol indicates imminent danger that can result in moderate to minor injury or a health risk.



## **CAUTION!**

Note on the risk of material damage



Note with useful information and tips.

## **Fig. A** Reference to an illustration



Note with useful information and tips.

## Application

The appliance and all parts included in the scope of delivery are intended for private use and must only be used:

- for aerating aquarium water in freshwater and saltwater aquariums
- for operating air-powered filters or decorative elements
- indoors
- in compliance with the technical data.

The following limitations apply to the appliance:

- do not use for commercial or industrial purposes.

## Safety

Risks for persons and property can arise from this appliance if the appliance is improperly used or not used as intended or if the safety instructions are not heeded.

### For your safety



- Do not let the appliance packaging and small parts get into the hands of children or people who are unaware of how to handle them, as hazards can arise (danger of suffocation!).  
Keep away from animals.

- Only for EU countries:

This appliance may be used by children aged 8 years and above and by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, only if they have been given supervision or instruction concerning safe use of the appliance and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

- This equipment is not intended for use by persons (including children) with limited physical, sensory or mental abilities or for persons with no experience or knowledge unless they are supervised by a person responsible for their safety or unless they have received from such a person instructions on how to use the equipment. Children should be supervised to ensure that they do not play with the equipment.



- Before use, carry out a visual inspection to ensure that the appliance, especially the mains cable and plug, are undamaged
- Do not use the device if it does not function properly or if it is damaged.
- Never use the appliance with a damaged mains cable.
- Repairs must only be carried out by an LGND service centre
- Do not carry the appliance by the mains cable, and to disconnect from the mains, always pull on the plug and not on the cable or appliance.

# Mains Air Pump

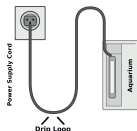
- Do not carry the appliance by the mains cable, and to disconnect from the mains, always pull on the plug and not on the cable or appliance.
- Protect the mains cable against heat, oil and sharp edges.
- Only carry out the work described in these instructions.
- Never make technical modifications to the appliance.
- Only use original LGND spare parts and accessories for the appliance



- The appliance has magnets with strong magnetic fields that can affect pacemakers or implanted defibrillators (ICD).
- Maintain a distance of AT LEAST 20 CM between the implant and magnet



- The electrical installations must comply with the international and national erection specifications.
- The appliance must be protected by a residual current protection appliance with a maximum rated residual current of 30 mA.
- Immediately disconnect the appliance from the power supply if the residual current protection device trips.
- Unless it is being used, disconnect the appliance before you install or remove any parts and before all cleaning and maintenance work on the power supply.
- Protect the mains socket and mains plug against moisture and wetness. A drip loop must be formed with the mains cable. This prevents any water running to the mains socket, which would result in a short-circuit.
- The electrical data of the appliance must match the data of the power mains.
- This data is found on the type plate, the packaging and in these instructions.
- Only connect the appliance to a correctly installed protective contact mains socket.
- Extension cables and power distributors must be suitable for use (protected against splashing water).



## Installation / Putting into operation

Check the pump, mains cable, plug and supplied accessories for damage and completeness. Do not use the appliance if any component is damaged.

### Mounting Location and Positioning

- Install the pump outside the aquarium on a stable, dry and level surface.
- Position it above the maximum water level whenever possible.
- Do not place it on the aquarium lid, rim or an unstable surface.
- Keep the pump, mains plug and socket protected from splashes and condensation.
- Ensure adequate ventilation and do not cover the pump during operation.
- If installed below water level, fit a check valve in every air hose with the arrow pointing towards the aquarium.

### Connecting the Air Pump

- Cut each air hose to the required length.
- Connect one hose securely to each outlet being used.
- Fit a check valve in each hose, observing the correct airflow direction.
- Connect the air stone or air-driven accessory and place it in the aquarium.
- Ensure that no hose is kinked, crushed or blocked.
- Never operate an outlet without a connected hose and suitable load.

### Mains Power Connection

- Confirm that the rating label matches the local mains supply.
- Form a drip loop in the cable below the electrical socket.
- Connect the UK plug to a correctly installed indoor socket protected by an RCD not exceeding 30 mA.
- Keep the plug, socket and all electrical connections dry.

### Operation and Airflow

The pump operates continuously while connected to the mains. Adjust Q-28 and Q-48 with the integrated knob. Q-18 may use a compatible inline Air Flow Controller. Never stop airflow completely while the pump is running.

## Mains Air Pump

### Final Check

Check that bubbles are released evenly from every air stone.

- Check all hose connections for leaks and verify each check valve direction.
- Confirm that hoses are not kinked, crushed or blocked.
- Monitor the aquarium water level and keep the pump stable, dry and ventilated.
- Confirm that the mains cable forms a correct drip loop

### Care and Cleaning

Disconnect the mains plug before cleaning. Wipe the exterior with a soft, slightly damp cloth. Never immerse the pump or allow moisture into the air outlets or ventilation openings. Inspect hoses, check valves and air stones regularly. Do not use abrasives, solvents or aggressive chemicals.

### Decommissioning

#### Storing and overwintering



1. Clean the appliance
2. Store the appliance in a frost-proof place.

#### Disposal



When disposing of the appliance, pay attention to the relevant statutory regulations. Information on the disposal of electrical and electronic appliances in the European Union: Within the European Union, disposal of electrically operated appliances is governed by national regulations that are based on the EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). The appliance may no longer be disposed of with the municipal or household waste. The appliance will be accepted free of charge at municipal collection points or recycling centres. The product packaging is made up of recyclable materials. Dispose of them in an environmentally responsible manner and take them for recycling.

### Guarantee

The LGND Aeris Q-18, Q-28 and Q-48 mains-powered aquarium air pumps are covered by a one-year limited guarantee from the date of delivery to the original purchaser.

This guarantee covers defects in materials and workmanship arising during normal use in accordance with the operating instructions. It also covers premature failure of the pump motor and other internal electrical components.

If a covered defect occurs during the guarantee period, we will repair or replace the defective component or complete unit, at our discretion, free of charge.

The pump has no user-serviceable internal components. Do not open, dismantle or attempt to repair the pump. Unauthorised opening, modification or repair may invalidate the guarantee.

This guarantee does not cover:

- Normal wear and tear;
- Air hoses, check valves, Aeris Air Stones and other accessories or consumable components;
- Blocked, worn, contaminated or damaged Air Stones;
- Accidental damage, impact or damage caused by dropping the appliance;
- Damage caused by improper installation, operation, storage or maintenance;
- Damage caused by placing, dropping or submerging the air pump in water;
- Water or moisture entering the pump, mains plug, electrical socket or other electrical connections;
- Water backflow caused by incorrect positioning or failure to install the check valve correctly;
- Operation with a blocked, restricted, disconnected or completely closed air outlet;
- Restricted airflow caused by kinked hoses, blocked check valves, contaminated Air Stones or obstructed air inlets;

## Mains Air Pump

- Damage caused by dirt, dust, condensation or inadequate cleaning;
- Overheating caused by covering the pump or obstructing its ventilation openings;
- Damage to the mains cable or plug caused by misuse, pulling, crushing, cutting or improper handling;
- Damage caused by connection to an unsuitable, defective or incompatible mains power supply;
- Damage caused by electrical surges, voltage fluctuations or an unstable power supply;
- Damage caused by excessive heat, freezing conditions, direct sunlight or unsuitable storage conditions;
- Unauthorised modifications, dismantling or repairs;
- Commercial misuse or use for purposes other than aerating a suitable aquarium;
- Cosmetic damage that does not affect the normal operation of the product.

To make a guarantee claim, contact the retailer from whom the product was purchased and provide proof of purchase, the product model and a clear description of the fault. Photographs or video evidence may also be requested.

The product may need to be returned for inspection. Where the claim is accepted as valid, reasonable return costs will be covered in accordance with the retailer's return procedure.

This commercial guarantee is provided in addition to, and does not affect, your statutory rights under applicable consumer law.

**AERIS****AERIS MAINS AIR PUMP**

Date of Purchase

| Model NO. | Serial NO. | Watt | Signature |
|-----------|------------|------|-----------|
|           |            |      |           |



Contact: LGND Service Centre  
01293 510787 (Weekdays 10:30–17:30)  
E-mail: [support@lgndadn.co.uk](mailto:support@lgndadn.co.uk)

Distributed by: AquaCoffeeShop Ltd.  
RH11 6EH Crawley, West Sussex  
United Kingdom  
MADE IN CHINA