

aerium

by  AlgenAir

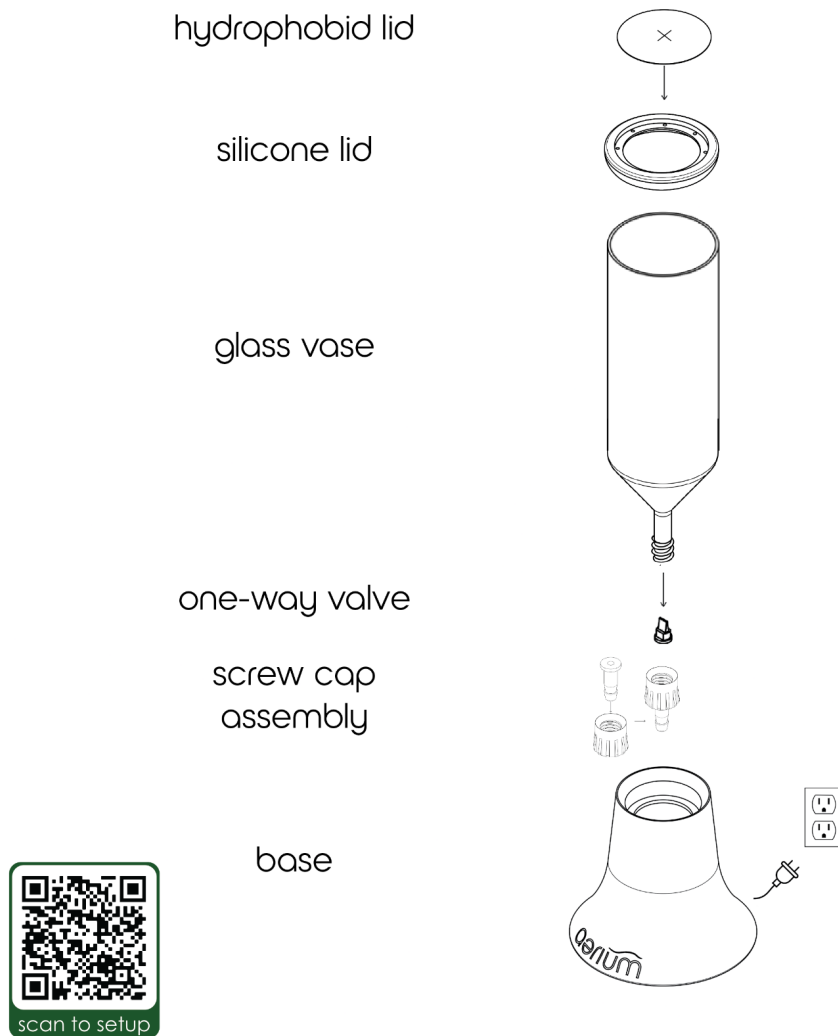
Full User Manual



aerium User Manual

Introducing the aerium™, the world's first natural air purifier that uses spirulina to reduce carbon dioxide and produce oxygen. The aerium™ is designed with elegant simplicity to be low maintenance and easy to use. Before using, please read the user manual carefully and keep for future reference.

what's inside?



Note: components are at relative scale

Detailed assembly of the aerium™

1. Insert black valve into threaded end of the glass vase.
2. Assemble screw cap by placing the grey adaptor through the blue screw cap.
3. Tighten screw cap + adaptor firmly onto the threaded end of the glass vase to hold the valve in place.
4. Hold glass vase right-side up (screw cap + adaptor facing down and wide mouth towards ceiling) and gently insert into the base opening so adaptor rests in base seal.
5. Plug the base in, the light and pump will turn on.
6. Add entire contents of new food bottle and spirulina bottle from the aerium™ subscription.
7. Fill the remainder with distilled water (tap water should not be used, or any water with chlorine) to two inches below the top. Bubbles will appear.
8. Place the 0.1 um circular air filter with the marked side facing up on the silicone lid shelf.
9. Place lid assembly on top of the glass vase and press down so the glass sits between the two sides of the lid.
10. Sit back and breathe clean air for the next two months!

Disassembling the aerium™ for cleaning

1. Hold the glass vase with one hand and pull straight up to release adaptor from base seal
2. Remove lid assembly from the vase and set to the side
3. Pour spirulina solution into garden or potted plant for use as an all natural fertilizer. Alternatively, neutralize* before pouring down the drain.
4. Unscrew the screw cap + adaptor and remove valve from glass vase
5. Rinse the blue screw cap, grey screw cap adaptor, black valve, and glass vase with hot water (DO NOT USE SOAP. If a light detergent is used, rinse thoroughly)
6. Remove air filter from silicone lid assembly and discard
7. Place glass vase, silicone lid, valve, and screw cap + adaptor in dishwasher†
 - a. Place glass vase upside down at an angle in the bottom rack along with the silicone lid and filter ring
 - b. Place screw cap, screw cap adaptor and valve in the cutlery tray
8. Run on a pots and pans cycle with heated dry for effective sterilization of the aerium components

† Alternatively, glass vase can be washed by hand using a light detergent and rinsed thoroughly.

*Neutralize by boiling for 5 minutes or adding 2 tablespoons of bleach to the solution

Troubleshooting Guide

1. Problem: The aerium is not bubbling

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Solution: Make sure the base is plugged in. Then carefully lift the glass container out of the base and place back in, aiming the screw cap + adaptor towards the rubber seal in the base. Press down firmly on the glass vase to secure in the seal and bubbles should appear.

If bubbles do not appear or only appear for a short time, the black valve may have become clogged. To correct this, transfer spirulina to a clean container. Disassemble the valve and adapter assembly by unscrewing the blue cap. Rinse all three of these parts thoroughly. Pay close attention to the black valve and make sure that any white biofouling has been removed with hot water. This may act as a 'glue' that prevents any airflow from entering the system.

2. Problem: Water is leaking from the screw cap + adaptor

Solution: There is a good chance either the valve and/or screw cap is not in place correctly. Remove the liquid from the glass vase and re-insert the valve into the threaded end. Make sure the valve is closed and nothing is blocking it (such as spirulina or media salts). Tighten the screw cap + adaptor over the valve. Test with water before filling completely.

Frequently Asked Questions (FAQ)

1. What type of water is safe to use for my algae?
 - a. We recommend distilled water! Tap water is not safe because it contains chlorine, which will kill the algae. Bottled water can vary which is why we do not recommend using it.
2. Why is my algae turning dark green?
 - a. This means it's growing! The algae will turn from a pale green to a rich emerald color that is dark enough that you can't see the bubbles. This is okay. You should still see the bubbles at the surface.
3. What do I do if the bubbles stop?
 - a. Carefully lift the glass vase out of the aerium unit. Unplug the unit and plug it back in without the vase installed. Replace the full glass vase and check for bubbles. If there are no bubbles, transfer algae to a sterile, covered container, and leave the unit unplugged for an hour. If this does not work, please contact us at support@algenair.com with your order #.
 - b. If you have an aerium 3.0 (ordered after August 2022 and has "aerium" etched in the baseplate), try the above troubleshooting steps then a sudden tap with 2 fingers ~midway on the base can resume pump function. If this does not work, please contact us at support@algenair.com with your order #.
 - c. For later stage algae (dark opaque green): As the algae grows it can cling to the rubber valve and interrupt regular function. If you notice the bubbles have stopped, lift the glass vase up and place back in the base. The force will dislodge any algae and re-open the valve. It is a good idea to do this every few days. If this does not work, pour the algae into a clean bowl or container and thoroughly wash the glass and rubber valve. It is possible that algae is growing inside the valve that needs to be removed.
4. My algae arrived, but it is half full (or empty depending on how your day is going), did some of it leak out? Why is the solution thick?

aerium product manual

- a. Most likely no, we fill our algae bottles about half full so they have atmosphere in the bottle to consume CO₂ and release O₂. They need space to breathe, just like you and I!
 - b. Your algae may appear 'thick' because we use an organic agent to increase shipping life of the algae.
 - c. If there is visible leakage, this rarely happens, but please contact us and we would be happy to send a replacement!
5. How often do I change my algae?
- a. The algae should be changed every 30-60 days, after that it starts to run out of food. You can sign up for our subscription service and we will send you fresh algae every month! You can also re-order algae from our website. The old algae makes an excellent fertilizer for your garden, house plants, or compost pile!
6. Does the aerium need direct sunlight?
- a. Nope! The aerium has a built in light that ensures that the algae is continuously removing CO₂ and producing oxygen. This makes it perfect for use in an office without windows or a room that doesn't receive natural sunlight. Extra light is good for the aerium though, the more light the aerium receives the faster it will grow (i.e. turn dark green) and the more CO₂ it is able to remove. You may want to change your refill timeline from 60 days to 30.
7. Is evaporation normal?
- a. Yes! Over time evaporation may occur. It is safe to add more distilled water in between refills or you can leave it. The algae will be happy either way.
8. Is the algae edible?
- a. The two types of algae we offer are in the *Arthrospira* genus commonly known as Spirulina. While Spirulina is an edible strain, the algae sold by AlgenAir is prepared and packaged for air purification use not food grade consumption. However, if consumed it is non-toxic.

Warnings

The aerium is an electrical appliance that contains small parts, glass parts, and water which requires appropriate precautions and use, especially when children are present. READ ALL INSTRUCTIONS BEFORE USE. Warnings and safeguards are as stated. 1) CHOKING HAZARD. The aerium contains small parts that can be a choking hazard to children or pets. 2) To protect against fire, electrical shock or injury to persons, DO NOT immerse cord, plug, or appliance in water or other liquid. 3) Do not operate the aerium with a damaged cord or plug or after the appliance malfunctions or has been damaged in any manner. Please contact support@algenair.com for assistance. 4) Unplug from outlet when device is not in use for growing spirulina. 5) Do not use or leave outdoors. 6) Do not place on or near a hot gas or electric burner or in a heated oven. 7) Glass parts are FRAGILE, please handle with care.

Warranty:

The aerium comes with a 60-day limited warranty

Contact

If you have any questions or comments, please feel free to contact AlgenAir:

Website <https://algenair.com>

Email: support@algenair.com