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› [Air Pump One-Outlet Adjustable Oxygen Pump Kit with Tubing, Check Valve, and Air Stone, for Aquariums, Ponds, and Hydroponics Systems 4.72 L Inch x 2.75 W Inch x 2.51 H Inch](#)

### AC Infinity AC-AUS21

AC INFINITY

# Air Pump One-Outlet Adjustable Oxygen Pump Kit

INSTRUCTION MANUAL

## Product Overview

The AC Infinity Air Pump is a corded electric plastic automatic air pump designed to enrich oxygen levels in water tanks for aquariums, ponds, and hydroponics systems. This compact and efficient unit provides consistent aeration to support healthy aquatic life and plant growth.

## Key Features

- An air pumping system designed for hydroponics settings to improve growth by enriching oxygen levels.
- Innovative electromagnetic motor maximizes air pressure and volume while reducing energy consumption.
- Adjustable turn dial delivers full control of airflow levels for a wide array of aeration applications.
- Heavy-duty shell and internal muffler dampen noise to allow for continuous ultra-quiet operation.
- Air tubing with check valve supplies secure one-way oxygenation and flexible installation options.



A compact, dark grey air pump unit with an adjustable dial and power button on the front panel.

## Setup Guide

### Package Contents

- Air Pump Unit (Model AC-AUS21)
- Air Tubing
- Check Valve
- Air Stone

### Installation Steps

1. **Placement:** Place the air pump unit on a stable, dry surface above the water level of your aquarium, pond, or hydroponics system. This prevents water from siphoning back into the pump.
2. **Connect Tubing and Air Stone:** Attach one end of the air tubing to the outlet nozzle of the air pump. Connect the other end of the tubing to the air stone.
3. **Install Check Valve:** Cut the air tubing a few inches from the air pump and insert the check valve, ensuring the arrow on the valve points towards the air stone (away from the pump). This prevents water backflow.
4. **Submerge Air Stone:** Place the air stone at the desired location within your water tank. Ensure it is fully submerged.
5. **Power Connection:** Plug the air pump's power cord into a standard electrical outlet.

## AIR PUMP SYSTEM

An adjustable air pump designed to improve plant growth by enriching oxygenation levels in water tanks and other hydroponics settings.



An illustration demonstrating the air pump connected via tubing to an air stone submerged in a water tank, releasing oxygen bubbles for hydroponics or aquatic systems.



The air pump unit positioned on a shelf next to a small hydroponics setup, illustrating its practical application in a home environment.

## Operation

### Adjusting Airflow

The air pump features an adjustable turn dial on its front panel, allowing you to precisely control the air pressure and volume. Rotate the dial to increase or decrease the airflow according to your specific aeration needs. The dial provides full control from 0 to 100, enabling optimal oxygen levels for various applications.

### Quiet Operation

This air pump is designed with a heavy-duty shell and an internal muffler to significantly dampen noise. This allows for continuous, ultra-quiet operation, making it suitable for indoor environments without causing disturbance.

## FULLY ADJUSTABLE

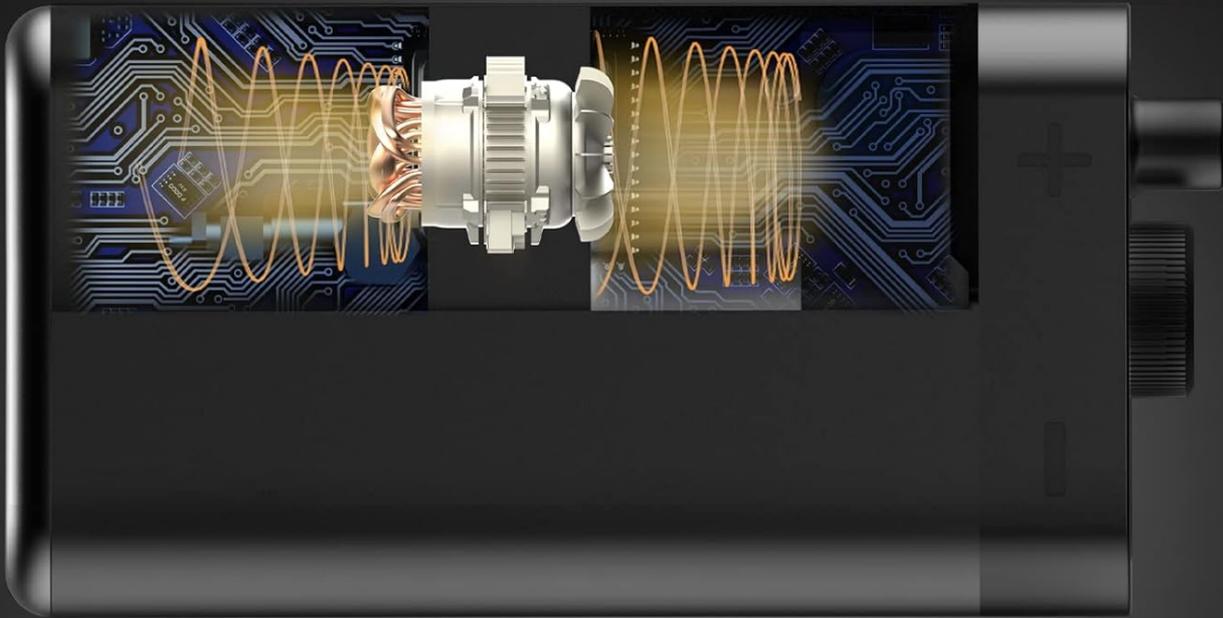
Convenient turn dial enables full control of air pressure from 0 to 100 to maintain optimal oxygen levels in many aeration applications.



A close-up of the air pump's front panel, featuring the rotary dial for adjusting airflow levels from low (L) to high (H).

# ENERGY-EFFICIENT

Features an innovative electromagnetic motor that helps generate air circulation with low power draw while running in dampened noise levels.



A cutaway view of the air pump highlighting its electromagnetic motor, designed for efficient air circulation with low power consumption and reduced noise.

## Maintenance

### Cleaning

To ensure optimal performance and longevity, periodically clean the air pump and its components. Disconnect the power before cleaning. Wipe the exterior of the pump with a soft, damp cloth. Clean the air stone regularly to prevent clogging, which can reduce airflow. Rinse tubing if necessary to remove any buildup.

### General Care

- Ensure the air pump is always placed above the water level to prevent water from entering the unit.
- Regularly check the air tubing for kinks or blockages that could restrict airflow.
- Avoid placing the pump in direct sunlight or extreme temperatures.

## Troubleshooting

Issue	Possible Cause	Solution
No air output or weak airflow	<ul style="list-style-type: none"><li>• Power not connected or faulty outlet</li><li>• Air tubing kinked or blocked</li><li>• Air stone clogged</li><li>• Check valve installed incorrectly or blocked</li><li>• Pump dial set too low</li></ul>	<ul style="list-style-type: none"><li>• Ensure pump is plugged in and outlet is functional.</li><li>• Inspect tubing for kinks or debris; straighten or clear.</li><li>• Clean or replace air stone.</li><li>• Verify check valve direction (arrow towards air stone) and clear any blockages.</li><li>• Turn the adjustable dial to a higher setting.</li></ul>
Excessive noise from pump	<ul style="list-style-type: none"><li>• Pump not on a stable surface</li><li>• Vibrations against surrounding objects</li><li>• Internal component issue (rare)</li></ul>	<ul style="list-style-type: none"><li>• Place pump on a flat, stable surface.</li><li>• Ensure pump is not touching walls or other objects that could amplify vibrations.</li><li>• If noise persists and is unusual, contact customer support.</li></ul>
Water backflow into tubing/pump	<ul style="list-style-type: none"><li>• Check valve missing or installed incorrectly</li><li>• Pump placed below water level</li></ul>	<ul style="list-style-type: none"><li>• Install check valve with arrow pointing away from pump, towards air stone.</li><li>• Always place the air pump unit above the water level of your tank.</li></ul>

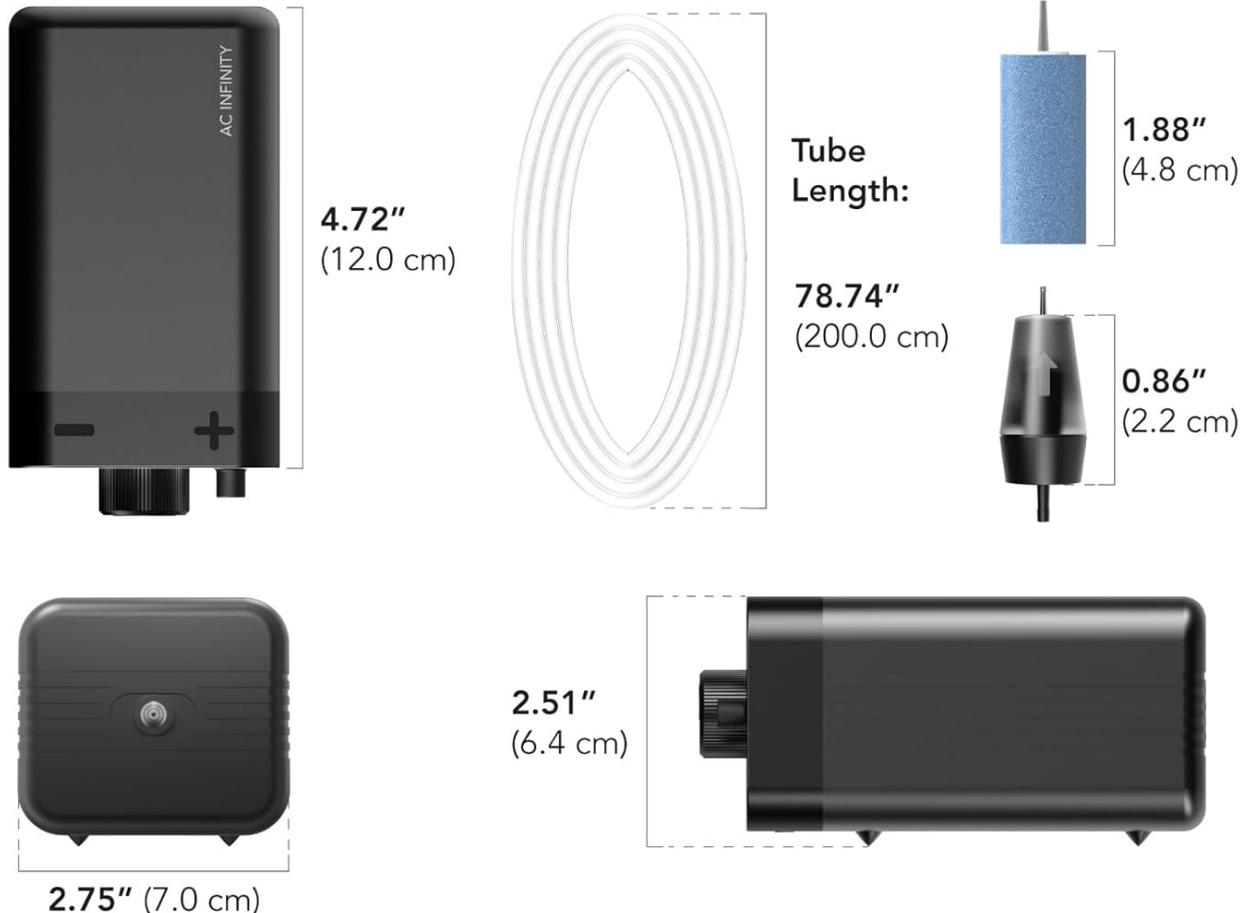
## Technical Specifications

Specification	Value
Model Name	AC-AUS21
Brand	AC Infinity
Material	Plastic
Item Weight	0.52 Kilograms
Power Source	Corded Electric
Air Flow Capacity	1.5 LPM (24 GPH)
Operation Mode	Automatic
Dimensions (L x W x H)	4.72 L Inch x 2.75 W Inch x 2.51 H Inch
UPC	819137023697

# SPECIFICATIONS

MODEL | AIR PUMP 1 (AC-AUS21)  
OUTPUT | 1.5 L / min. (24 GPH)  
NUMBER OF OUTLETS | 1

VOLTAGE | 110V  
POWER | 4.0 Watts  
MATERIAL | Plastic



An infographic displaying the physical dimensions of the air pump unit, tubing length, and air stone, along with key electrical specifications like voltage, power, and output.

## Warranty Information

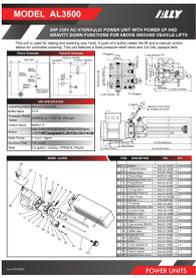
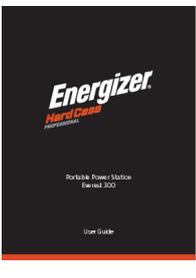
This AC Infinity product comes with a 2-year warranty. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official AC Infinity website or contact customer support.

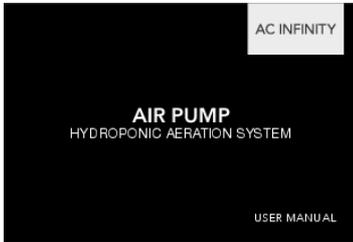
## Customer Support

For further assistance, technical support, or to explore other AC Infinity products, please visit the official AC Infinity Store:

[Visit AC Infinity Store](#)

**Related Documents - AC-AUS21**

	<p><a href="#">AC Infinity Hydroponic Air Pump User Manual - Aeration System Guide</a></p> <p>User manual for the AC Infinity Hydroponic Air Pump, detailing installation, features, maintenance, and warranty for models like AC-AUS21, AC-AUS42, and AC-AUS44. Enhance your hydroponic aeration system.</p>
	<p><a href="#">ALLY AL3500 2HP Hydraulic Power Unit Specifications and Parts</a></p> <p>Detailed specifications, schematics, and parts list for the ALLY AL3500 2HP 230V AC Hydraulic Power Unit, designed for above-ground vehicle lifts.</p>
	<p><a href="#">U.S. Solid Electric Ball Valve (2-Ports) User Manual - USS-EBV Models</a></p> <p>Comprehensive user manual for U.S. Solid's Electric Ball Valve (2-Ports), USS-EBV models. Covers threading types, valve body materials, wiring diagrams, product specifications, manual control functions, product models, FAQs, environmental protection, and warranty information.</p>
	<p><a href="#">Energizer Hard Case Everest 300 Portable Power Station User Guide</a></p> <p>Comprehensive user guide for the Energizer Hard Case Everest 300 portable power station, covering features, operation, specifications, and safety information.</p>
	<p><a href="#">Blue Torrent 1.5hp Typhoon Inground Pump Parts List</a></p> <p>This document provides a detailed parts list and diagram for the Blue Torrent 1.5hp Typhoon Inground Pool Pump, manufactured by Cinderella Inc. It includes part numbers, model numbers, descriptions, and compatibility with 750, 1000, and 1500 IMP configurations.</p>
	<p><a href="#">AC Infinity CLOUDLINE Air Filtration System User Manual   Installation, Features, and FAQ</a></p> <p>Comprehensive user manual for the AC Infinity CLOUDLINE Air Filtration System. Learn about key features, installation guides (hanging, mounting, filter &amp; ducting), powering, controller upgrades, cleaning, programming, troubleshooting (FAQ), warranty, and other AC Infinity products.</p>



## [AC Infinity Hydroponic Air Pump User Manual - Aeration System Guide](#)

User manual for the AC Infinity Hydroponic Air Pump, detailing installation, features, maintenance, and warranty for models like AC-AUS21, AC-AUS42, and AC-AUS44. Enhance your hydroponic aeration system.

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### [\[pdf\] User Manual](#)

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