

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Aquaboon](#) /

> [Aquaboon UV Water Purification System 55W, 12 GPM - Instruction Manual](#)

Aquaboon REGULAR

Aquaboon UV Water Purification System 55W, 12 GPM - Instruction Manual

Model: REGULAR

[Contents](#) [Installation](#) [Introduction](#) [Safety Information](#) [Package](#)
[Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty &
Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Aquaboon UV Water Purification System 55W, 12 GPM. This system is designed to provide clean, purified water by targeting microorganisms at the DNA level, ensuring water purity without chemicals. Please read this manual thoroughly before installation and use to ensure proper function and safety.

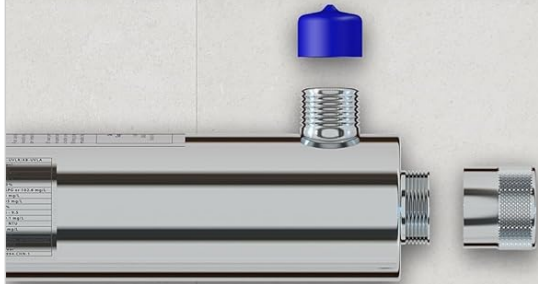
2. SAFETY INFORMATION

- Always disconnect power before performing any maintenance or service on the unit.
- Do not look directly at the UV lamp when it is operating, as UV light can cause severe eye damage.
- Ensure proper grounding of the electrical components.
- Wear appropriate personal protective equipment, such as gloves and safety glasses, during installation and maintenance.
- The system operates under water pressure. Ensure all connections are secure and leak-free before restoring water supply.
- Keep the system away from direct sunlight and extreme temperatures.

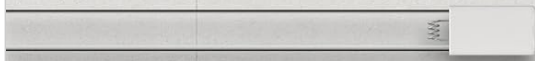
3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

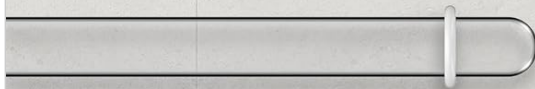
QUALITY UNVEILED: INSIDE OUR UV PURIFIER



304 Stainless Steel Chamber
1.0mm Wall Thickness
1.04MPa x 100,000 Cycles Test
3/4" MNPT Inlet/Outlet Connections



UV Lamp (55-watt UV)



Silicone Seal O-Ring
Quartz Sleeve (100% Fused Silica)



Aluminium Mounting Secure Clips
Heavy Duty



**WATERTIGHT SEAL
/ZERO LEAKS**



**HEAVY-DUTY
ULTIMATE FIXATION**



**1-YEAR
COVERAGE**

Image: All components of the Aquaboon UV Water Purification System, including the UV chamber, lamps, quartz tube, ballast, and accessories, laid out for inspection.

- UV Chamber (Stainless Steel)
- UV Lamps (55W, 2 units)
- Quartz Tube
- O-rings (4 pcs)
- Rubber Gloves
- Screws and Anchors (4 pcs)
- Electronic Ballast
- Clamps
- Flow Switch
- Installation Manual

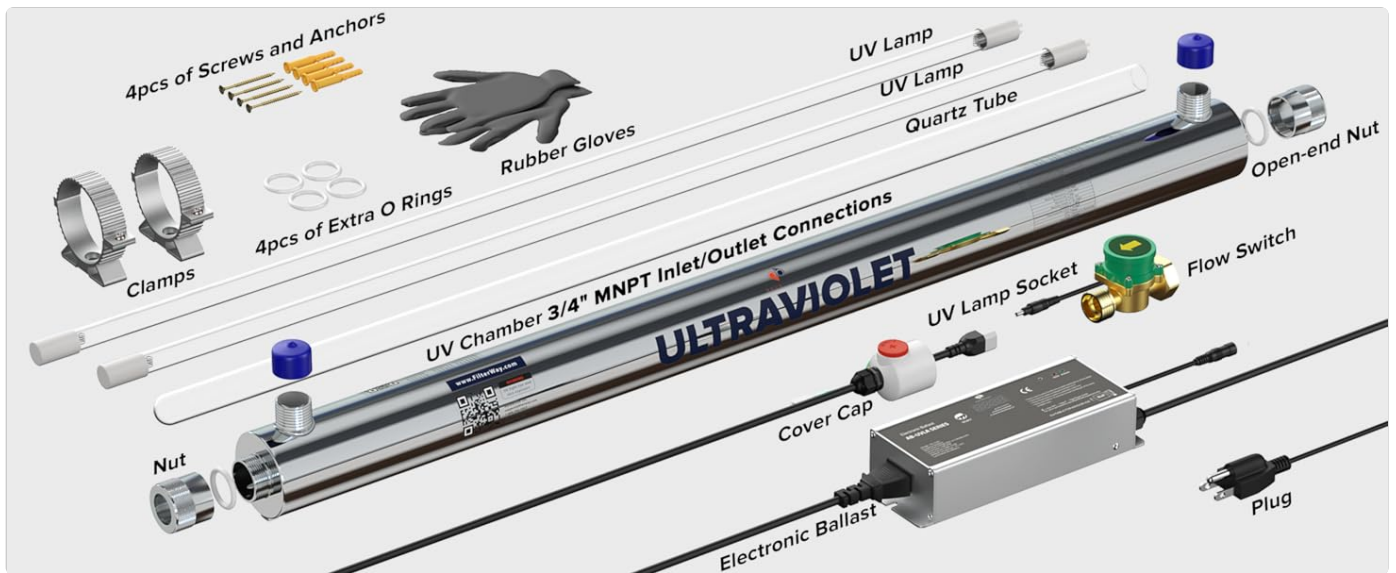


Image: An exploded diagram showing all individual parts of the UV water purification system, including the UV chamber, lamps, quartz tube, O-rings, ballast, flow switch, and mounting hardware.

4. INSTALLATION

4.1 Pre-Installation Considerations

- **Location:** Install the UV system after any pre-filtration (e.g., sediment filters) and before the hot water heater. Ensure sufficient space for future maintenance and lamp replacement.
- **Orientation:** The system can be installed horizontally or vertically. For vertical installation, place the inlet lower and the outlet higher to optimize water flow and UV exposure.
- **Tools Needed:** Adjustable wrench, screwdrivers, plumber's tape, pliers, pipe cutter/hacksaw, tape measure, level, gloves, safety glasses, and appropriate tubing/fittings.

**THE WATER WHIZ ARSENAL:
TOOLS TO REVOLUTIONIZE HYDRATION**

- **Adjustable Wrench and Screwdrivers** (Tightening nuts, bolts, and securing components)
- **Drill** (Mounting the system on surfaces)
- **Plumber's Tape** (Teflon Tape) (Sealing threaded connections to prevent leaks)
- **Pliers** (Gripping small objects and bending materials)
- **Pipe Cutter or Hacksaw** (Cutting pipes to required lengths)
- **Tape Measure and Level** (Ensuring accurate placement and leveling)
- **Gloves and Safety Glasses** (Personal protection during installation)
- **Tubing or Pipes, Fittings, and Valves** (Establishing secure, leak-proof connections)

Image: A collection of common tools such as wrenches, screwdrivers, a drill, plumber's tape, and safety gear, indicating items needed for installation.

4.2 Assembly Steps

1. **Clean Quartz Tube and UV Lamp:** Before handling, wear gentle, non-abrasive gloves. Clean the quartz tube and UV lamp with alcohol or a mild detergent to prevent fingerprints and smudges, which can reduce UV effectiveness.
2. **Prepare Filter Chamber:** Detach both the open-end and closed-end nuts from the filter chamber.

3. **Install O-rings:** Place an O-ring on the open end of the quartz tube (approximately 12mm or 1/2 inch from the edge). Insert the quartz tube into the filter chamber. Place another O-ring on the closed end of the quartz tube.
4. **Secure Closed-End Nut:** Hand-tighten the closed-end nut onto the filter chamber (over the closed end of the quartz tube). Avoid excessive tightening to protect the O-ring.
5. **Connect UV Lamp:** Securely connect the 4-pin electrical socket to the UV lamp pins. Gently place the UV lamp into the quartz tube via the open-end nut.
6. **Attach Cover Cap:** Attach the cover cap and hand-tighten it onto the opened nut.
7. **Install Flow Switch:** Place the flow switch on the outlet of the UV chamber, observing the water flow direction indicated on the switch.
8. **Connect Flow Switch Cable:** Link the flow switch cable to the control switch, then seal the switch cover.

4.3 Plumbing and Electrical Connections

1. **Mounting:** Secure the aluminum clamps to the wall using screws at the chosen installation location. Install the UV unit onto these clamps.
2. **Plumbing:** Connect the UV system into your main water line using appropriate plumbing fittings. Ensure all connections are watertight.
3. **Electrical:** Connect the male DC power connector (plug) from the flow switch to the female DC power jack on the ballast. Plug the ballast's power cord into a grounded wall socket to power the unit.



Image: A diagram illustrating the optimal placement of the UV water purifier within a typical home plumbing system, showing its position after pre-filters and before the hot water heater.

Your browser does not support the video tag.

Video: An official installation guide for the UV Filtration System, demonstrating the unpacking, assembly, and connection steps.

Your browser does not support the video tag.

Video: A video demonstrating the installation process of the UV water filtration system, showing how components are assembled and connected to the water supply.

5. OPERATION

The Aquaboon UV Water Purification System is designed for simple and automatic operation.

- **Initial Startup:** After completing plumbing connections, gradually open the water supply and inspect for any leaks. Allow water to flow briefly to remove any trapped air or dust from the filter chamber.
- **Automatic Operation:** The system features a smart flow sensor switch. Press the control switch to "AUTO" for automatic UV lamp operation when water flows. This mode is recommended for UV lamp protection and energy efficiency.
- **Continuous Operation:** To enable continuous UV lamp operation, press "MOVE" on the control switch.
- **Shutting Down:** To turn off the UV lamp, press "STOP" on the control switch.



Image: The electronic ballast of the UV system, highlighting its intelligent lamp monitoring features, including a 365-day or 8000-hour countdown timer, flow sensor switch, and auto-off countdown.



Image: An illustration emphasizing the home-friendly advantages of the UV system, such as safe operating temperature (2-40°C), high flow rate (12 GPM), and noiseless operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your UV water purification system.

- **UV Lamp Replacement:** The UV lamp has an operational life of up to 8,000-10,000 hours of continuous use. Annual UV lamp replacement is recommended to maintain optimal purification performance. The electronic ballast features a countdown timer to help track lamp life.
- **Quartz Tube Cleaning:** Periodically inspect and clean the quartz tube to remove any mineral deposits or buildup that could reduce UV light transmission. Disconnect power and water supply before cleaning.
- **O-ring Inspection:** Inspect O-rings during lamp or quartz tube replacement for wear and tear. Replace if necessary to prevent leaks.



Image: An illustration detailing the extended operational life of the UV lamp (up to 8,000-10,000 hours) and the recommendation for annual replacement, often including an extra lamp.

7. TROUBLESHOOTING

If you encounter issues with your Aquaboon UV Water Purification System, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
UV Lamp not illuminating	No power, faulty lamp, faulty ballast, flow switch in "STOP" mode.	Check power connection. Ensure flow switch is in "AUTO" or "MOVE". Replace UV lamp. Contact support if ballast is faulty.
Water leakage	Loose connections, damaged O-rings, cracked quartz tube.	Tighten all connections. Inspect and replace O-rings. Inspect quartz tube for cracks and replace if damaged.
Reduced water flow	Clogged pre-filters, mineral buildup in UV chamber.	Check and replace pre-filters. Clean quartz tube and inner surface of UV chamber.
System beeping/Red indicator light	UV lamp nearing end of life or malfunction.	Replace UV lamp. Refer to ballast manual for specific error codes.

For further assistance, please refer to the detailed troubleshooting section in the full installation manual or contact Aquaboon customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Aquaboon
Model Name	REGULAR
Special Feature	UV Light Disinfection
Product Dimensions	37"L x 2.5"W x 2.5"H
Material	Stainless Steel
Capacity	100,000 Gallons
Installation Type	Under Sink (or Whole House)
Purification Method	Ultraviolet
Power Source	Corded Electric
Maximum Flow Rate	12 Gallons Per Minute (GPM)
Supported Water TDS Level Maximum	500 PPM
Item Weight	10.03 pounds

9. WARRANTY & SUPPORT

Aquaboon offers a 30-day refund policy and an extended manufacturer's warranty. Registration upon installation is essential to activate your warranty.

To complete your warranty registration, please visit: <https://filterway.com/guarantee/>

For any assistance or support, please contact Aquaboon customer service via phone or email. Contact details can be found on the product packaging or the official Aquaboon website.



© 2024 Aquaboon. All rights reserved.