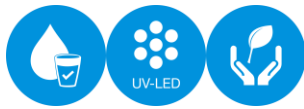


Installation Instructions

Acuva Eco UV-LED Water Purifier

Acuva Arrow UV-LED Water Purifier

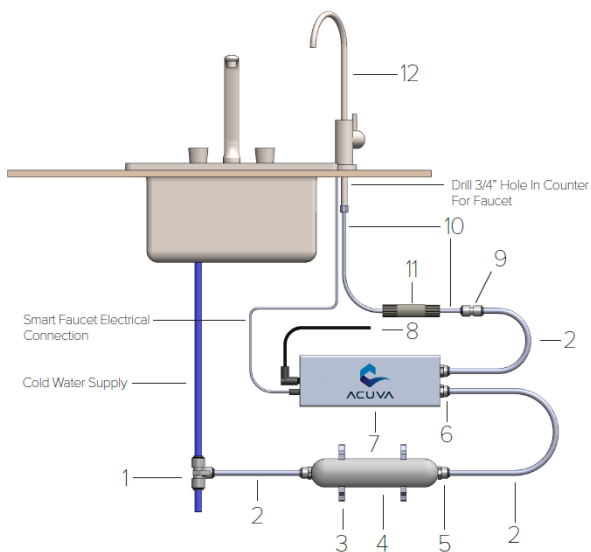




Acuva UV-LED Water Purification System Installation Guide

Acuva systems are designed for ease of installation. The Acuva Arrow system has a built-in flow regulator while only the Acuva Eco requires a flow restrictor (Item No. 11 in Figure 4). The Acuva Arrow has a built-in flow sensor and is activated with the flow of water while the Acuva Eco is manually activated with the Acuva Smart Faucet (Item No. 12 in Figure 4).

Installing The System



INSTALLATION COMPONENTS

ITEM NO	DESCRIPTION	QUANTITY
1	1/2" - 3/8" OD Tee/Shut-off	1
2	3/8" OD Tube	1
3	Filter Clip	2
4	Inline Filter	1
5	3/8" OD - 1/4" MNPT Adapter	2
6	3/8" OD - 3/8" MNPT Adapter	2
7	UV-LED Water Purifier	1
8	Power Cord	1
9	1/4" OD - 3/8" OD Union	1
10	1/4" OD Tube	1
11	Flow Restrictor	1
12	Smart Faucet	1
Not Shown	#10 Wood Screws	4

Warning: To avoid system damage, plug the faucet electrical connection into the device prior to connecting the power cord.

Fig. 4: Plumbing Diagram

Mounting The Unit

1. Engage the spring loaded mechanism by hooking the clip onto the bottom edge of the din rail and adding slight pressure upwards.
2. As bottom portion engages, tilt the upper hook towards the din rail
3. Release the spring mechanism once the unit is mounted on the rail

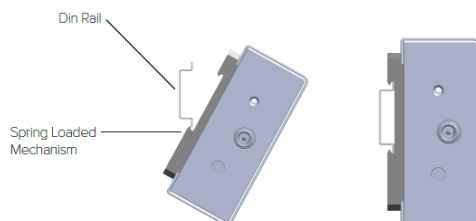


Fig. 5: Mounting the UV-Chamber to the Din-Rail

UV Indicator Light

No Light: Unit is not active or no power connected

Blue Light: Unit is active and sterilizing water

Blinking Red Light: Unit overheating - Allow time to cool down

Steady Red Light: Unit malfunction - Call Acuva for support 1-800-980-8810

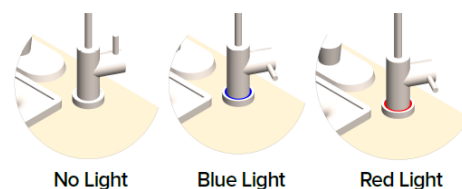
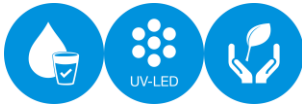
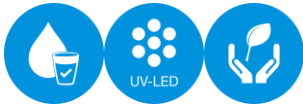


Fig. 6: UV Indicator Light



1.1 : Installation instructions for the Acuva Water Purification Systems:

1. Find an under-counter position for the UV device and the pre-filter to be mounted that will allow space for the PEX tubing to be connected without needing to bend the tube to the point where they risk pinching or folding.
2. Mount the Din-Rail (Item not shown in Fig.4) that will hold the UV device with two #10 wood screws and the mounting clips (Item no.3) for the pre-filter into position.
3. To install the ½" PEX-3/8" OD Tee & shutoff valve (Item no.1) to the cold-water line, assure that the cold-water line is not under pressure, that the water pump is not powered or that water flow is cut off by an upstream shutoff valve, expect some water to drain from the cold-water line when cut, and cut the cold-water line with PEX tube cutters to insert the ½" cold-water line to the ½" female ends of the Tee, push the tubes into the Tee as far as possible and pull slightly to assure that the seal is secure.
4. Attach a length of the provided 3/8" PEX tubing (Item no.2) that will connect the Tee to the Pre-Filter (Item no.4), and insert the tube into the 3/8" OD female end of the Tee, push the tube into the Tee as far as possible and pull slightly to assure that the seal is secure.
5. To install the Pre-Filter, wrap the threads of the 3/8" OD – ¼" MNPT Adapters (Item no.5) with Teflon Tape and screw these adapters into the 2 female ends of the pre-filter, connect the 3/8" PEX tube from the Tee into the inlet side of the pre-filter while making sure that water will flow in the proper direction as indicated on the filter, push the tube into the adapter as far as possible and pull slightly to assure that the adapter is properly sealed.
6. To install the UV device (Item no.7), wrap Teflon Tape onto the threads of the 3/8"OD-3/8"MNPT Adapters (Item no.6) and fasten these adapters into the inlet and outlet female ends of the UV device.
7. Snap the Pre-Filter to its Clips and mount the UV device to the Din-Rail as seen in Figure 5.
8. Cut a length of 3/8" PEX tubing that will connect the Pre-Filter to the UV device inlet female adapter with the tubing by pushing the tube into the adapters as far as possible and pulling slightly to ensure that their seals are secure.
9. Cut a short length of 3/8" tubing and connect to UV device female outlet adapter and attach the 3/8"OD-¼" Union (Item no.9) to the end of the 3/8" tube.
10. Cut a length of ¼" PEX tubing (Item no.10) that is long enough to connect the 3/8"OD-¼" Union to the faucet and proceed to the faucet installation.
11. For the Acuva Eco only, install the provided flow restrictor (Item no.11) inline with the ¼" PEX tubing.



1.2 : Faucet Installation (Faucet installation parts not shown on Fig.4)

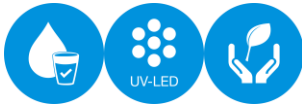
1. Drill a 3/4" hole into the counter top.
2. Thread the faucet power cord into the 3/4" hole, and insert the faucet stem into the hole.
12. Thread the faucet power cord through its plastic spacer under the counter to ensure that the cord is not pinched against the counter when the faucet is fastened into place, making sure that the spacer seal is facing up to seal against the counter.
3. Add the plastic faucet fastener to the faucet stem and tighten the fastener against the spacer to secure the faucet into place, while making sure that the faucet is positioned properly as required.
4. To connect the 1/4" water line to the faucet stem, slip the hex nut onto the tube, followed by the plastic ferrule and plastic tube support. Insert the tube end and ferrule into the bottom of the faucet stem and tighten the hex nut by hand until resistance is felt, then tighten with a wrench while being careful not to over-tighten.

1.3 : Final Installation Steps

1. Once the UV device is connected to the faucet with PEX tubing, plug the faucet power cord into its Jack on the UV device.
2. Once the faucet power cord is connected to the UV device, connect the 12V DC power source to the UV Chamber Unit Power Jack.
3. Activate the cold-water pressure in the plumbing system.
4. Turn on the faucet. (When water is flowing, the blue light on the device will come on steady which indicates the water purification is in progress as seen in Figure 6)
5. Keep the faucet on to flush the system for 5 minutes to release all the air pocket and bubbles and the water flows smoothly.
6. Once all the bubbles are released, turn off the faucet and the device will automatically go into standby mode.
7. At this point, the device is ready for regular use.

2. Maintenance

The Acuva UV-LED Water Purification Systems are designed to give years of trouble free service. Using state-of-the-art long-life UV-LEDs, there are no mercury bulbs to replace and dispose annually. However, there are some simple tasks that should be performed to ensure continued trouble-free operation.



2.1 : Regular Maintenance

1. Check that none of the connectors are leaking annually.
2. Replace the inline 5-micron carbon filter semi-annually.

2.2 : Winterising Warning: Failure to properly winterize the device before it is exposed to freezing temperatures can lead to damage and water leakage.

To prevent freezing, pump a non-toxic antifreeze into the water system. Open the point of use faucet connected to the Acuva device and continue to pump non-toxic antifreeze until you see the antifreeze coming out of the faucet. In the spring, remember to flush with fresh water to clear the antifreeze before drinking.