



H2O | BWT AquaStar UV

WHOLE HOUSE WATER TREATMENT SYSTEM

H2O|BWT AQUASTAR UV Installation Instruction & Owner's Manual



The H2O | BWT AquaStar UV unit is an easy "Plug and Play" installation process directly on the main water supply at point of entry. It removes unwanted contaminants in the water and kills harmful bacteria.

CONTACT US **T:** 0800 492 837 (4 WATER) **E:** info@h2o.co.za **W:** www.h2o.co.za

Specifications:

The H2O | BWT AquaStar consists of:

1. BWT Protector DZR – 90micron
2. Stage Ecosoft Sediment Filter – 5micron
3. Stage Ecosoft Carbon Block – 20-inch
4. UV Light Steriliser

Optional: Additional pressure gauges and water meter

Intended use:

The unit is designed to remove:

1. Suspended solids.
2. chlorine thereby improving taste, colour and odour.
3. Destroy harmful bacteria, viruses, and pathogens.

The water will be suitable for potable use.



Inspect the system:

Please take the system and components out of the box. Inspect the system and all the connection fittings carefully, make sure nothing is damaged during shipping. If any part is cracked or broken, please do not proceed with the installation and contact BWT Africa or your H2O franchisee for an exchange or diagnosis.

Operating Parameter:

- Flowrate: Up to 1000 l/h
- Operating pressure: 400 kPa maximum*
- Dimensions: Length – 1000 mm X Width – 400 mm X Height - 920 mm

Installation:

Recommended tools

- Depending on the tie-in type of pipe - OD32 mm PVC pipe
- PVC glue
- Adjustable wrench or pipe wrench

UV light Installation

The UV unit will come with several components:

- Electrical adaptor, 220 - 240 V
- UV lamp
- Quartz sleeve
- 2 off O-rings

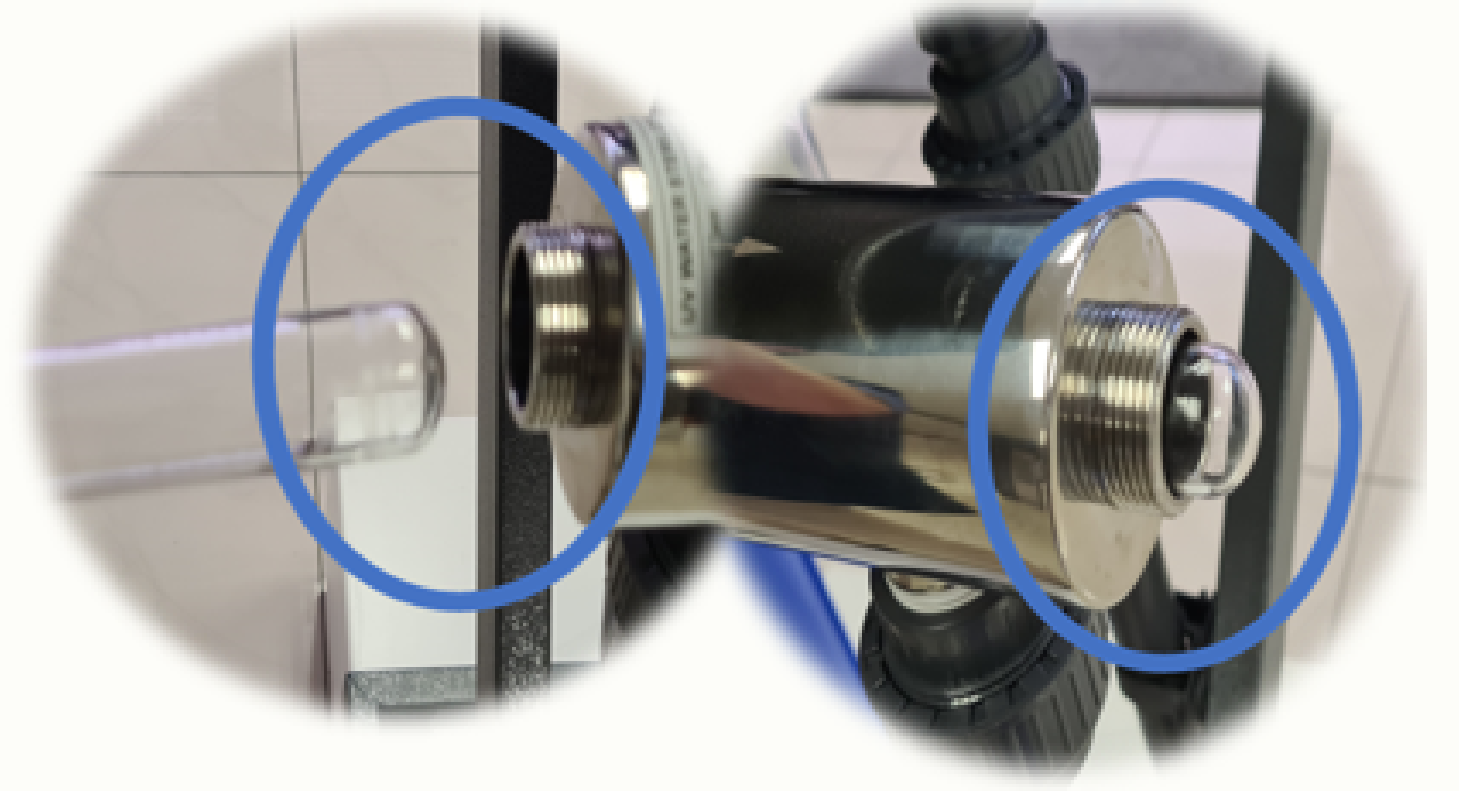
Ensure that there is adequate space on both sides of the UV chamber to insert the light. The lamp and sleeve are wrapped and packaged separately to avoid breakage. Handle only with clean gloves. Do not touch the surface of the lamp.

FOLLOW THE 6 EASY STEPS BELOW

Step 1 – Unscrew the Quartz cap connectors located on each end of the UV chamber.



Step 2 – Carefully slide the Quartz sleeve in the chamber. Ensure it is inserted all the way and comes out to the other end.



Step 3 – Insert the O-ring on the outlet end of the Quartz sleeve and replace the Quartz cap (Avoid over tightening the nut, this may cause a fracture).



Step 4 – On the inlet of the UV chamber repeat STEP 3 - Insert the O-ring at the end of the Quartz sleeve and replace the Quartz cap (Avoid over tightening the nut, this may cause a fracture)



Step 5 – After tightening the nut on the inlet of the UV chamber, carefully slide the UV lamp inside the Quartz sleeve.



Step 6 – Once the UV lamp is in, connect the power supply. Ensure the 4-pins fit in. Connect the power supply cap by pushing it in fully.



FINAL LEAK CHECK: Do not plug the UV Sterilizer into power yet. Turn on the water supply. Let water run for 5 minutes and check for leaks.



How to connect:

The main water supply to house must be shut off for the unit installation.

- Step 1 - Ensure the AquaStar unit is installed on a flat surface.
- Step 2 – Close the AquaStar inlet valve and unscrew the union nut on the valve and the union nut on the UV steriliser outlet.

Note: Do not lose the O-rings.

- Step 3 - Clean the pipe, and carefully glue the pipe on the union fitting.
- Step 4 - Screw back the unions on both ends.
- Step 5 - Open the AquaStar inlet valve.
- Step 6 - Turn on the main water supply.

Check for leaks! Make sure no leaking at joints, fittings, valves, and piping connections.

Cartridge filter replacement:

The cartridges in the 20-inch big blue housings are quick and easy to replace.

2. The average life expectancy of the UV lamp is 12 months. We recommend that the UV sterilizer be used in continuous operation for 24 hours a day, 7 days a week. Frequent starts and stops may shorten the life of the lamp. Replacement of UV lamps can be ordered from H2O|BWT.

3. The BWT Protector DZR needs to be backwashed once a month to prevent dirt particles from settling on the filter cloth. The filter cloth inside the Protector DZR should be replaced after 5 years.

It is recommended that when the backwash procedure is carried out, a collection basin or drainpipe needs to be connected to prevent water from splashing out.

Backwashing of Protector DZR- Open the turning knob counter-clockwise completely, Let the water run out for few minutes and then close it again. Check whether the filter is correctly sealed.

It is recommended that your water be tested on an annual basis to ensure the treatment system performance is optimal.

Congratulations! You have successfully installed the AquaStar System!