



Create The Best Water You Can

INSTALLATION INSTRUCTION AND PRODUCT CARE

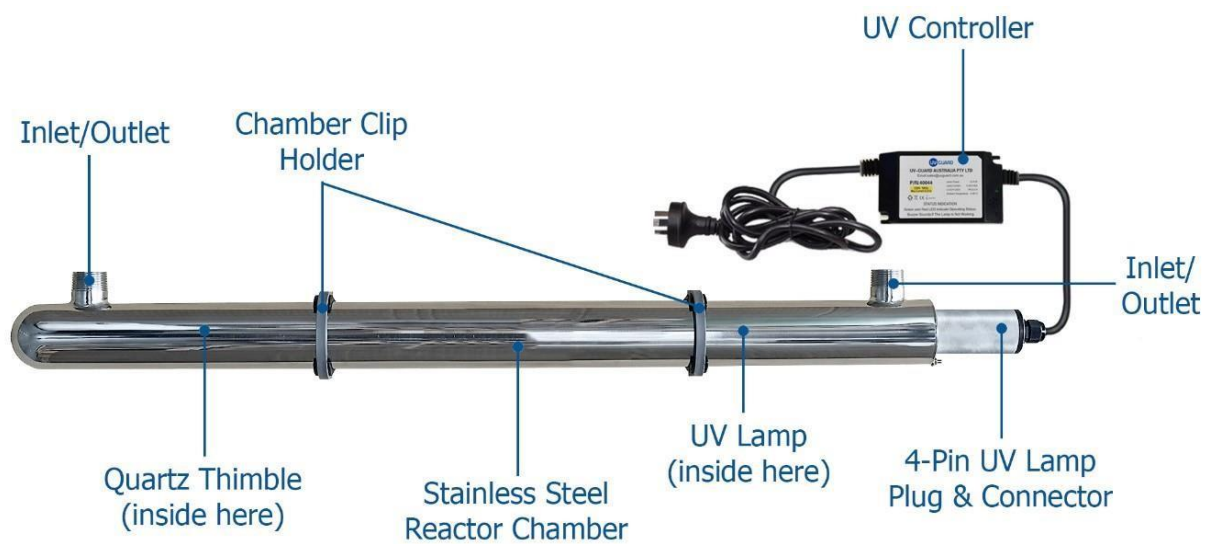


MWF 20" X 4.5" TWIN BIG BLUE WHOLEHOUSE RAIN WATER TANK FILTER SYSTEM COMPLETE WITH UV GUARD ULTRAVIOLET LIGHT

Thank You for trusting us with your Water Filtration needs.
Please read and follow the steps below on setting up your Product.

If you need any help, please call us at 1800-769-300 or contact us through our website at www.mywaterfilter.com.au/contacts/ or email us at customerservice@mywaterfilter.com.au

PARTS



DIMENSIONS

20" Twin System



385mm W x 700mm H x 205mm D

BEFORE YOU START

Things you will need:

- ✓ A plumber
- ✓ Thread Tape
- ✓ Spanner
- ✓ Assorted tools
- ✓ Drill
- ✓ Ball valves
- ✓ Elbows
- ✓ Water pipe

1

Take some time to clear any items out of the way to ensure you have a safe, clear area to install the water filter and UV system. Ensure there are no trip hazards or anything that can create harm in the work area.

2

Unpack and check that you have received your product in good condition. If it has been damaged in transit, please do not attempt to install or assemble the unit. Alert us immediately or as soon as possible, so we can provide the necessary assistance.

3

Please inspect the glass parts of the UV system in your box, then plug in the Controller and UV Lamp. Turn it on to ensure it works. **DO NOT LOOK DIRECTLY AT THE LAMP WHILE IT IS TURNED ON AS THIS MIGHT CAUSE EYE DAMAGE.**

4

When installing outdoors, it is required to have a cover over the electrical components of the ultraviolet light system to prevent rain or moisture from seeping through the electrical components of the system, hence preventing possible causes of short circuits.

5

This system has electrical components and must be kept dry at all times. (**WE HIGHLY RECOMMEND** You install the UV System inside a shed or install a cover).

NOTE: It is preferred that the ultraviolet light system is installed after a water filtration unit. This will ensure that the ultraviolet light system will perform optimally and the “**shadowing effect**” will be prevented. A pre-filtration of at least 5-micron is required before the ultraviolet light system.

The **Shadowing Effect** occurs when dirt or debris passes through the unit. Bugs and bacteria hide inside this debris if not pre-filtered, and pass through the light without being killed.

6

Treat the UV system installation set up as a 2-step process

Step 1: Connect the water filter & UV chamber complete with thimble and all water pipes and turn on and test for leaks before connecting any electrical components. Once the system is at full water pressure without any leaks proceed to Step 2.

Step 2: Install UV lamp and electrical components.



EASY INSTALLATION GUIDE



[CLICK HERE TO WATCH THE VIDEO](#) 



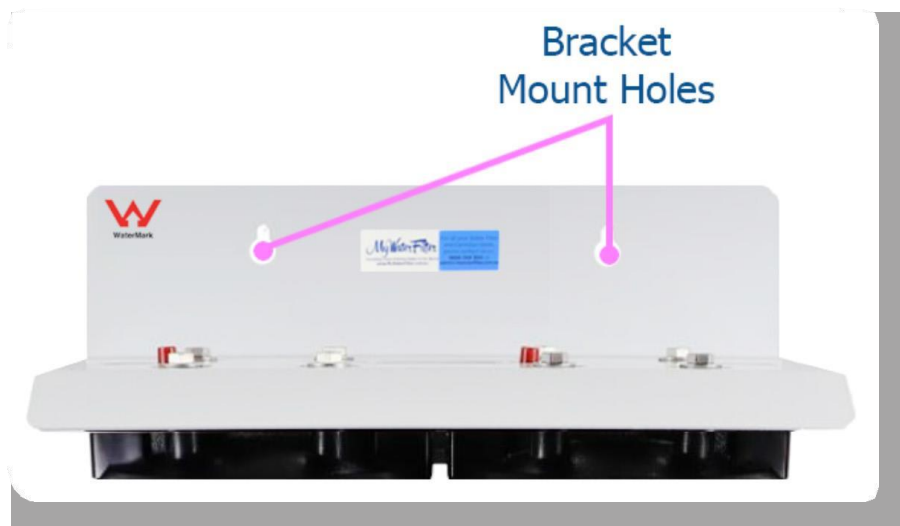
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Installation: Step 1.

1. Assess the location where the Whole House Rain Water Tank Filter System Complete with Ultraviolet Light will be installed. Look for a desirable position where the system can be fixed securely.




2. The whole house big blue filter system bracket has 2 x holes to attach it onto the wall. Fix the water filter onto the wall or frame with strong screws or bolt.



3. It is preferred that the Whole House Rain Water Tank Filter System Complete with Ultraviolet Light is mounted on a house or strong wall. If mounted onto a frame, concrete the frame into the ground securely. Ensure the whole house big blue filter system is fixed to a strong structure as it will be heavy when full of water and you need to make it strong enough to handle very bad weather conditions like cyclones etc.
4. Set up the Whole House Rain Water Tank Filter System to match the flow direction. The caps are marked "In" and "Out" on the top of the housing or from left to right. These systems come pre-assembled. However, if your flow direction is right to left, the bracket must be removed from the system and needs to be turned around 180 degrees then reconnected.
5. The inlet plumbing will be attached to the "In" port on the filter system. The outlet plumbing from the whole house big blue filter system will be attached to the UV housing via the "Out" port. A bypass pipe and shutoff valves, Inlet and Outlet shutoff valves and gauges may be installed at this time. (See images below)

NOTE: Do not use sealants on any of the threads as this will expand and will cause cracks and will damage the whole house black caps. Please only use thread tape.



Notice:

IMPORTANT: PLEASE DO NOT OR YOU MUST NOT use any form of sealant on the threads of this water filter. Please **ONLY** use plumbers thread tape. If you use any sealants they have a history of expanding after the water filter is connected and can crack the inlet & outlet ports and they will start to leak within a day or so. Please advise the plumber or installer sealants cannot be used in any form - You can only use Thread Tape.

Maximum/Minimum Pressure

The minimum working pressure required will be determined by the cartridge type installed inside this water filter. Sediment cartridges do not slow the water flow generally unless blocked with sediments, but a fine micron carbon block cartridge can take a bit of pressure to push the water through the cartridge. Suburban water pressure works well.

The maximum working pressure is around the 80 psi mark. If you have more pressure than 80 psi you should install a pressure limiting valve before the water filter to ensure no excess pressure is exerted into the system.

Installing Gauges

Please take care when installing the gauges, please apply plumbers thread tape only to the gauge thread. (If rubber o-rings are supplied with your system that is all you will require to seal the gauges & no thread tape will be needed). Tighten taking extra care the threads have not been crossed. Tighten gauges until tight. If any gauges threads seem to be a tight fit, simply turn the gauge forward as far as possible without too much force, then turn the gauge back the other way to untighten, then turn the gauge forward again, repeat until you have the gauge installed as required. **DO NOT** use any form of sealants on the gauge threads.

Water Flow Direction

Please note: These water filters are set up to flow the water from left to right. If you want the water filter to flow the other way, you will be required to remove the bracket and turn it around 180 degrees and refit the bracket so once installed the complete water filter housing is set up correctly.

UV SYSTEM INSTALLATION GUIDE

Installation: Connect the UV chamber and all water pipes

6. Once the whole house water filter has been installed and secured properly, assess the location where the ultraviolet light system will be installed. Look for a desirable position where the ultraviolet light system can be fixed securely.



7. The ultraviolet light system has 2 x mounting brackets to attach it onto the wall. Fix the mounting brackets, either on the wall or on a mounting frame.
8. Make sure that there is enough free space to service the replacement of either the glass quartz thimble/sleeve or the UV lamp. Otherwise, it will not be possible to maintain the UV system. Allow at least 1 metre to pull out the UV lamp when required.
9. When mounting the chamber, consideration must be made for the weight of the system including the stresses associated with pipework, etc. Ensure pipework etc, is fixed well so it can handle the weight when full of water.
10. Ensure that the stainless steel chamber is installed securely. Please see **Sample Installation Diagrams** below for different types of installation setups. Also, see the information booklet in the UV box.

QUARTZ THIMBLE/SLEEVE INSTALLATION

11. Once the stainless steel chamber is installed securely. Then insert the quartz thimble/ sleeve (using the O ring or O rings provided) inside the chamber and tighten the sealing nuts as tight as you can by hand. **(DO NOT USE A TOOL OR YOU MAY CRACK THE GLASS)**. Once the thimble is fully installed and the nut is tight, proceed as instructed below.

NOTE: Utmost care must be taken when handling and installing the quartz thimble/ sleeve and the UV lamp as they might crack or be damaged when banged onto a hard surface. Treat them like an egg.

IMPORTANT: DO NOT INSTALL THE GLOBE OR ANY ELECTRICAL COMPONENTS AT THIS STAGE UNTIL TESTED FOR WATER LEAKS.

12. After complete installation of the water filter & the UV housing, do not open the valve on the mains yet, fully open an outside tap nearest to the whole house big blue filter system first.
13. Slowly open the valve on the mainline and let the whole house big blue filter system fill with water. Once full, water will flow out of the opened tap nearest the water filter. Allow the water to flow for a few minutes before use. Initially, black carbon water will flow out from the tap, so you might want to collect the first black water flowing from the filter into a bucket as it will be very black carbon water.
14. Once the whole house big blue filter system is filling with water, push the red air bleeder buttons on top of the filter housing to release any air trapped inside the whole house big blue filter system. This will ensure that no air pockets are trapped inside.
15. Check the water filter housing, any connections & the UV connections for leaks and repair as necessary. Once the system is completely filled with water and under pressure from the pump, turn a tap on & off repeatedly to ensure the system is sealed correctly and is able to handle the full working pressure. Once the system is tested you can then proceed to install the Globe/lamp & other electrical components.

SAMPLE INSTALLATION SETUP DIAGRAM

Illustration 1: UV Light System in Vertical Position with Whole House Water Filtration

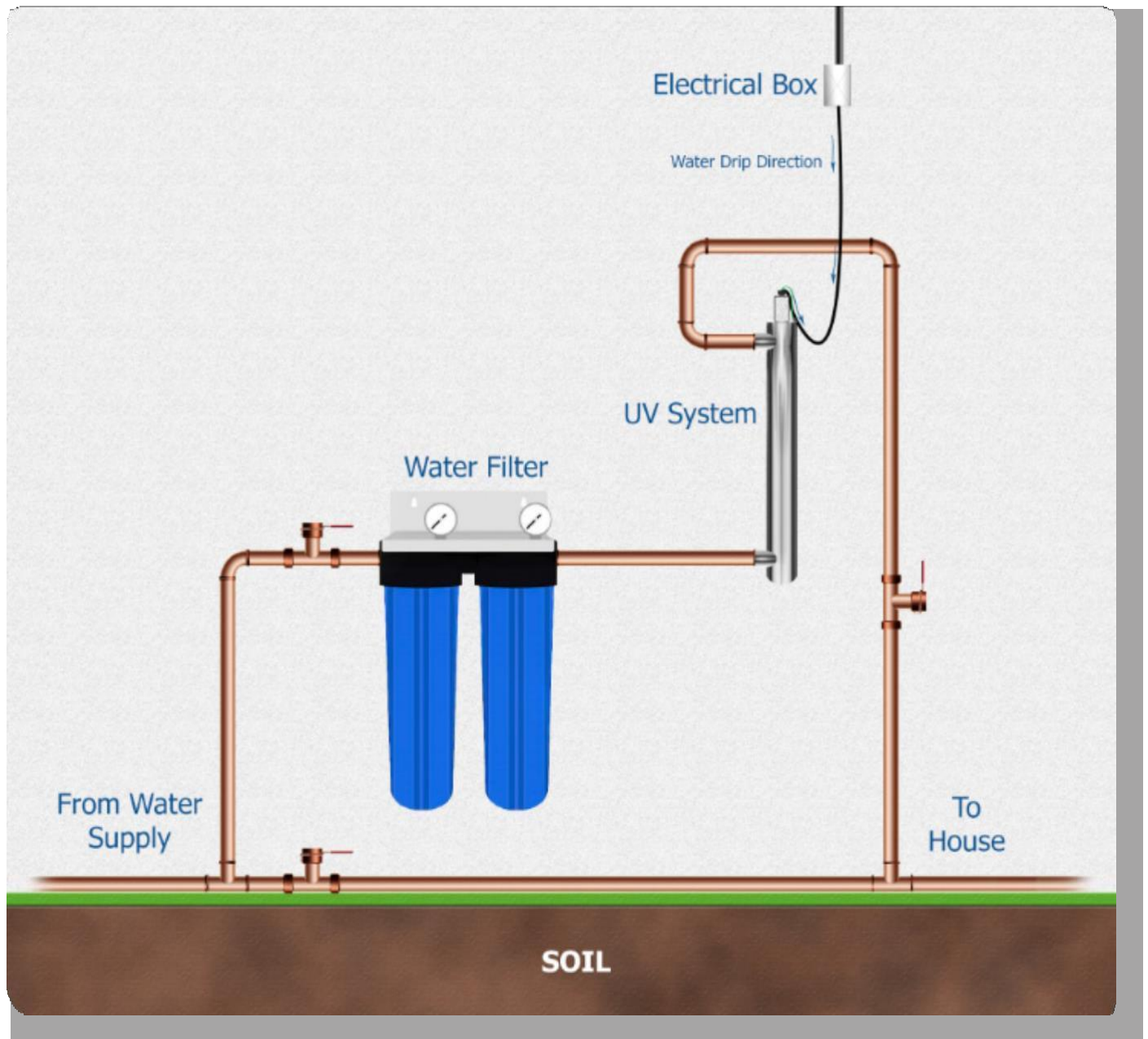


Illustration 2: UV Light System in Horizontal Position with Whole House Water Filtration

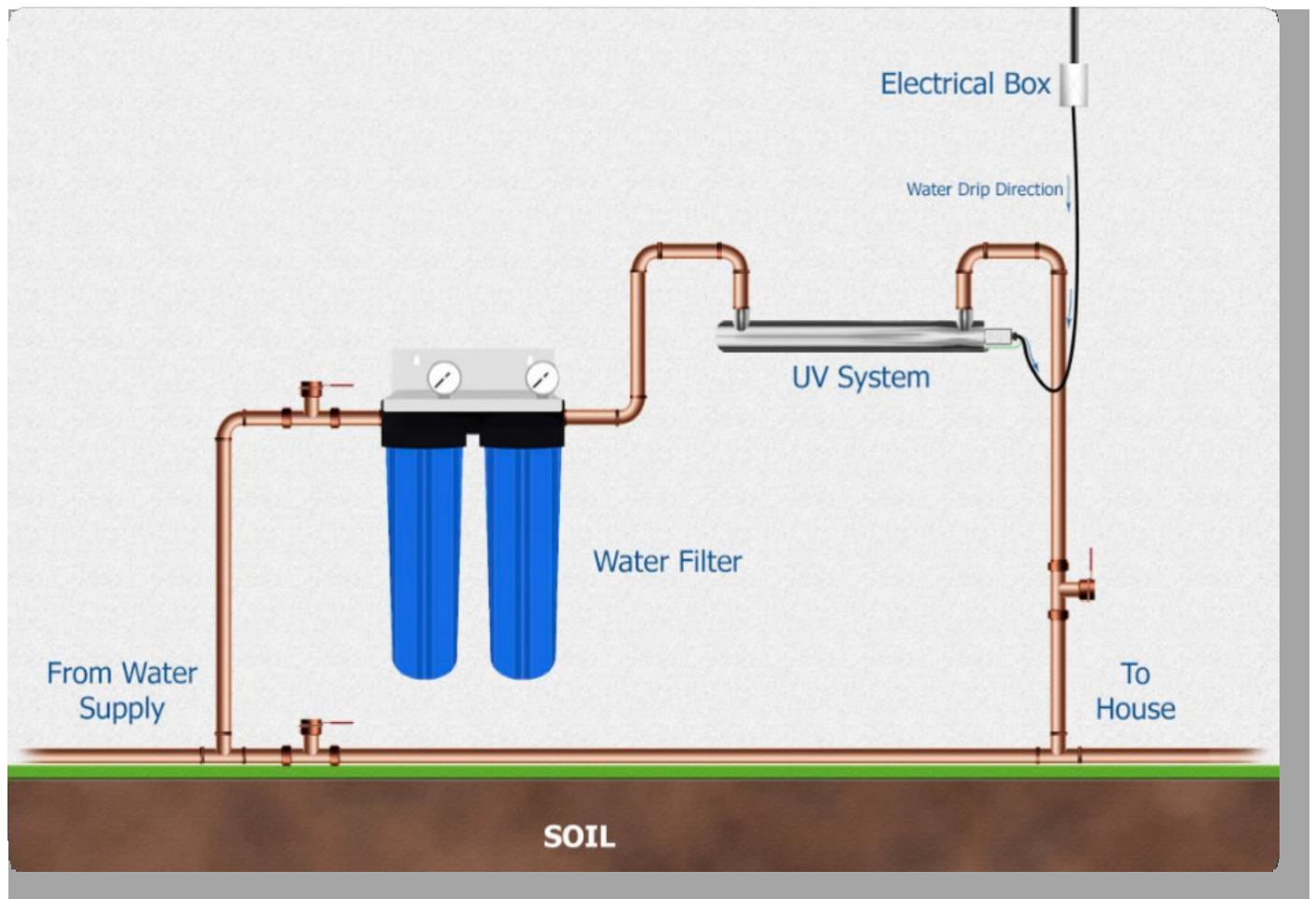


Illustration 3: UV Light System in Horizontal Position with Whole House Water Filtration with dual bypass

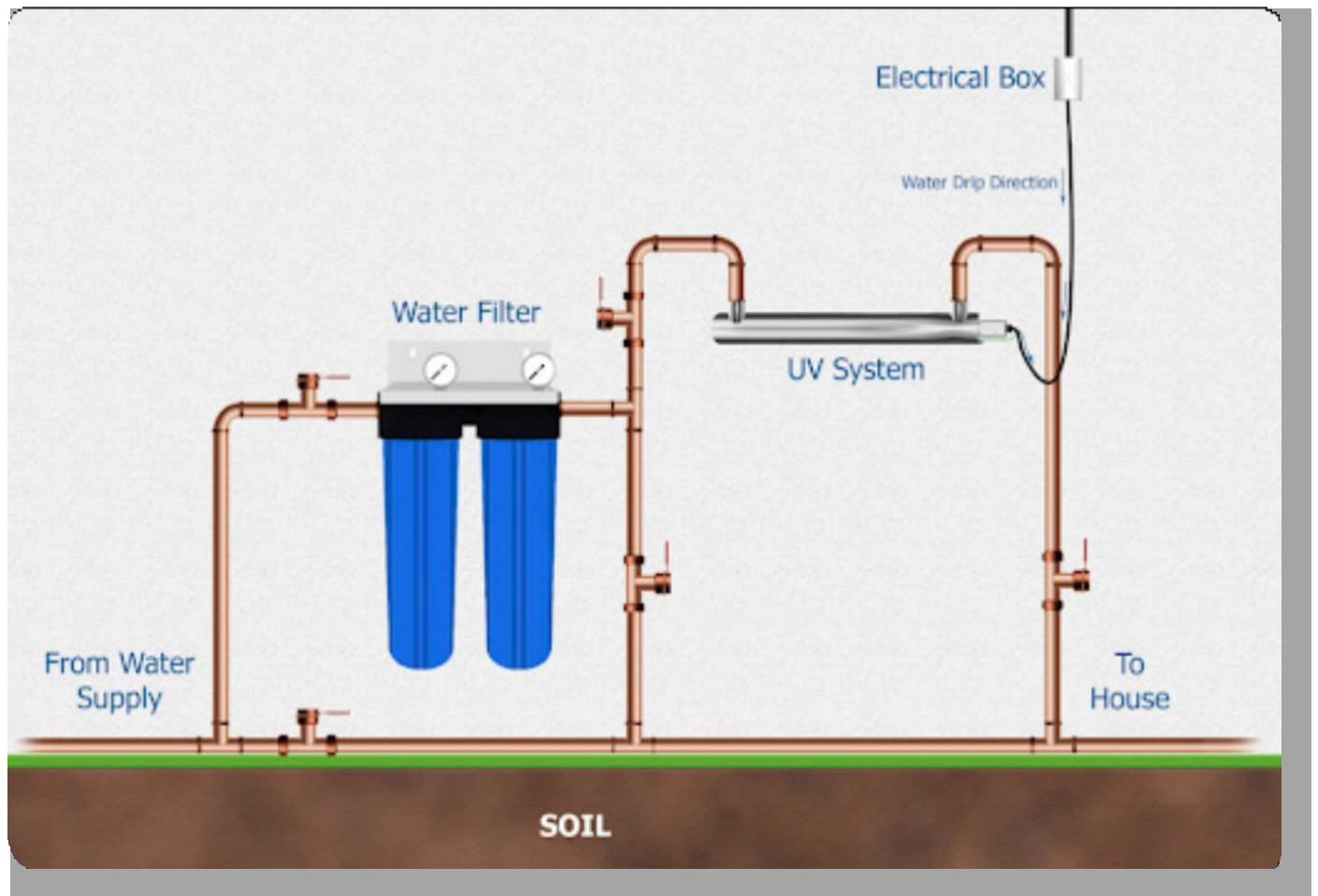
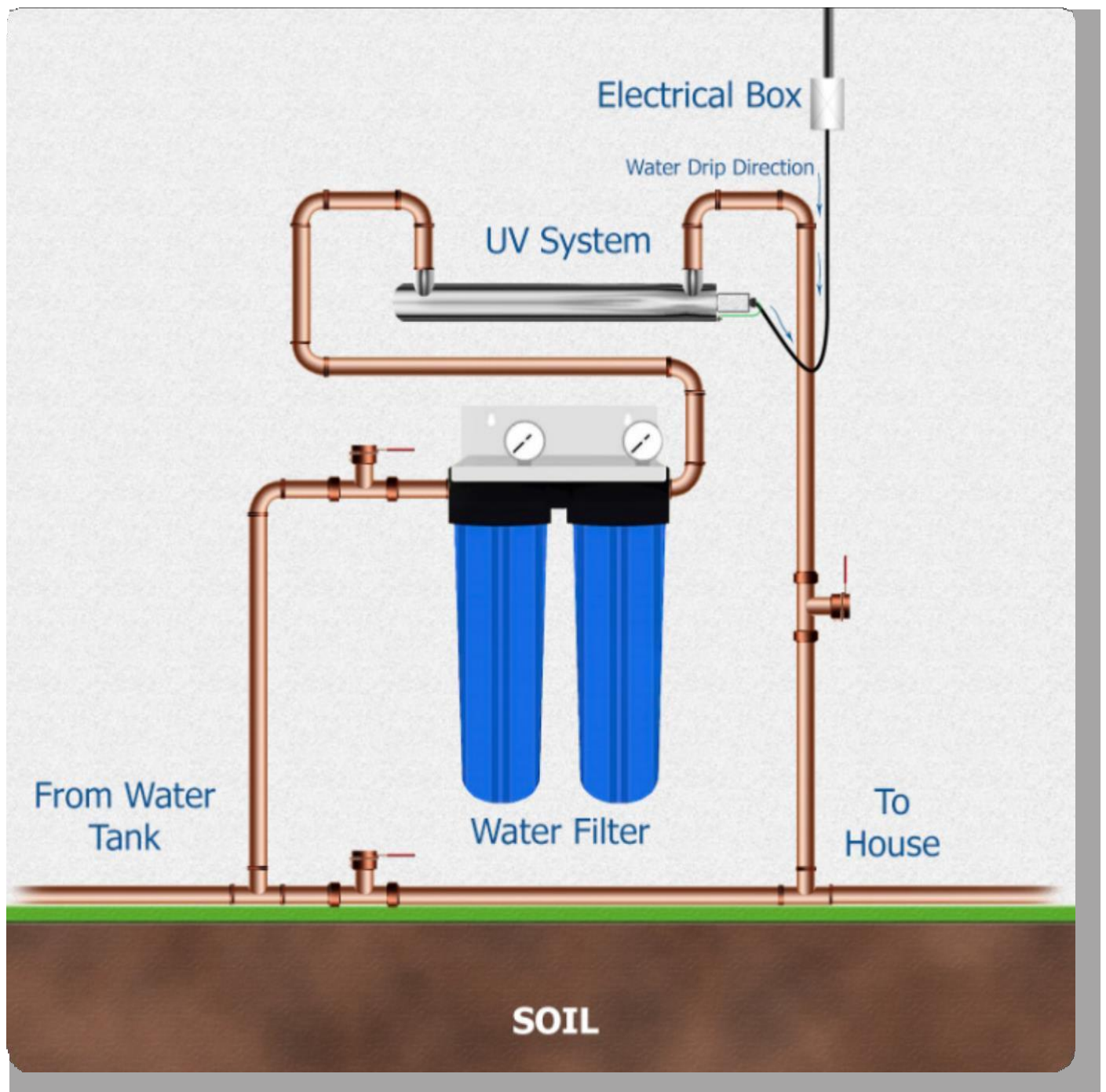


Illustration 4: UV Light System in Horizontal Position above Whole House Water Filtration (ideal for locations with less space)

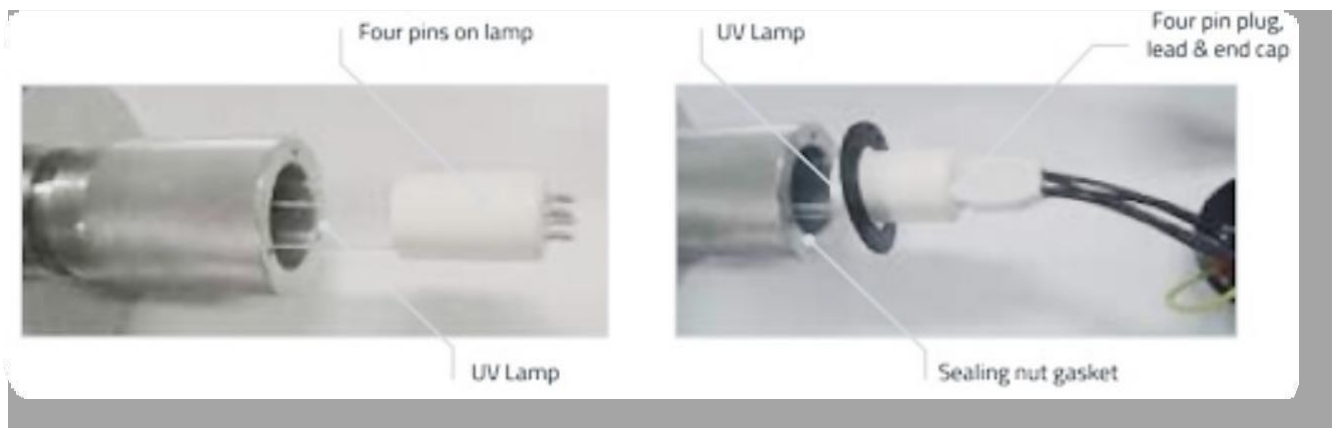


UV LAMP INSTALLATION

Electrical Installation: Step 2: Install UV lamp and electrical components

PLEASE READ: Cotton or powder-free nitrile gloves should be worn whenever handling the UV lamp or quartz in order to prevent fingerprint marking, which will detrimentally impact UV intensity.

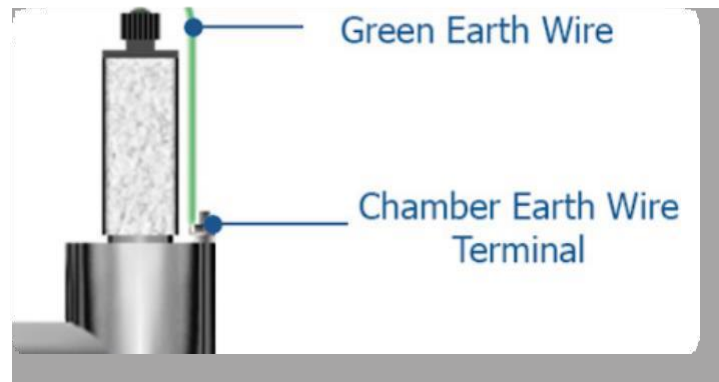
1. Remove the UV lamp from its protective wrapping and wipe it down with a soft cloth/tissue soaked in alcohol. **DO NOT TOUCH THE UV LAMP WITHOUT PROTECTIVE GLOVES.** Care should be taken not to leave markings of any nature on the UV lamp, as this could have a detrimental effect on the performance of the UV lamp.
2. Carefully insert the UV lamp into the quartz thimble/sleeve via the hole through the centre of the sealing nut. If the stainless steel chamber is installed vertically, **NEVER DROP** the UV lamp into the quartz thimble/sleeve, as this may break the quartz thimble/sleeve. In this case for vertical installation, you **MUST** connect the Lamp onto the electrical lead and lower the lamp into the chamber.
3. Hold the UV lamp firmly by the end plastic rim, then insert the sealing nut gasket over the UV lamp.
4. Connect the UV lamp onto the 4-pin plug connector.



5. Locate the three holes in the end cap with the three holes on the end of the sealing nut. Secure the plastic cap over the sealing nut and tighten the screws located on the outside of the cap to lock into position. Screw all three screws through the holes in the end cap, into the sealing nut.

6. Ensure the green earth wire (If supplied) is connected onto the chamber earth wire terminal connection and tighten securely.

NOTE: For newer models, the green earth wire is already set as these new systems use a 3-way plug.



NOTE: The power supply box must be mounted clear of the floor as a precaution against the ingress of water. The recommended maximum distance of the stainless steel chamber to the power supply box is 2 metres.

If the UV controller selected is not weatherproof, it is ideal to house it in a utility box for protection from moisture.

7. Insert the power lead into the power outlet then turn the power on. The UV lamp will light and come on. Turn on the water supply. Ensure the power lead is set in a V shape as indicated in the Installation Diagrams above so any condensation or water is able to drip off the power lead and not flow into the electrical components.

NOTE: It will take around 30 seconds cycling time for the lamp to reach full output when first turned on. Whenever the UV light is turned on you must allow 30 seconds of time minimum for the UV lamp to build up to full operating capacity before you turn on the water, or use the water as the UV light will not be killing the bugs as required until at full operating capacity. Also please be informed that it is only recommended to turn the UV lamp on & off a maximum of 4 times per day. Cycling the UV lamp more than the recommended 4 times per day may result in the UV lamp life reducing. The life of the UV lamp is 9000 hours or 1 year. Note the UV light will still be lite after that period but the power & killing capacity will have diminished and the lamp requires replacement.

ANNUAL UV LAMP REPLACEMENT & QUARTZ THIMBLE/SLEEVE INSPECTION

1. Switch off the power to the UV system.
2. Turn off the water supply and drain as much water out of the UV system as possible.
3. Unscrew the three screws that secure the electrical cap onto the sealing nut.
4. Slide the UV lamp out enough to be able to remove the 4-pin plug. Disconnect the 4-pin plug from the end of the UV lamp. Remove green earth lead if required. Remove the UV lamp from the chamber. Wrap it in paper and discard it in the rubbish bin.
5. **DO NOT REPLACE THE NEW LAMP YET.** This is the time to make an annual inspection and maintenance of the quartz thimble/sleeve. (The quartz thimble/sleeve must be as clean as possible at all times)
6. Unscrew the sealing nut in an anti-clockwise direction and carefully remove the nut from the chamber. Take care to hold on to the quartz thimble/sleeve as it may come out of the chamber at the same time. Remove the sealing nut from the quartz thimble/sleeve and store it in a safe place. You can then remove the quartz thimble/sleeve from the chamber.

NOTE: Take care with single-ended chambers with spring thimble support, as the spring will suddenly push the thimble out of the chamber when the sealing nut becomes disengaged from the thread on the chamber.
7. Slide the quartz thimble/sleeve out of the chamber. Inspect and clean the quartz thimble/sleeve as necessary. Replace o-rings as required. Replace quartz thimble/sleeve if pitted, damaged or cannot be cleaned.

NOTE: To clean the quartz thimble/sleeve simply wipe it down with a soft cloth/tissue that has been soaked in alcohol, then dry it. (Take care not to leave any marks on the quartz). It may be necessary to scrape off the remnants of the old O ring with a sharp object. Repeat this step until the quartz thimble/sleeve is clean.
8. Re-assemble the system by following the Quartz Thimble/Sleeve & UV Lamp Installation Guide above.

HOW TO CHANGE CARTRIDGES



[CLICK HERE TO WATCH THE VIDEO](#)



1. Shut off the water supply.
2. Open a tap closest to the whole house big blue filter and allow all the pressure to empty via the tap.
3. Use the supplied housing opening tool to remove the housing by turning it anticlockwise.
4. Once loosened with the tool, the housing can be removed by hand. Spin the housing counterclockwise. Spin until the housing is completely removed.

NOTE: If the pressure is not released, the filter housing will be very difficult to loosen. It is imperative that the water pressure is released prior to attempting to remove the filter housing.



5. Remove the old filter and discard it. Make sure to note the orientation of the cartridges.
6. Install the new whole house big blue cartridges into the filter housings.
NOTE: You can do some preventive maintenance while doing the cartridge replacement. Lubricate the o-ring and housing threads with food grade silicone grease.



7. Ensure the cartridges centre hole is seated in the stump in the base of each housing. Ensure the cartridge is centred & vertical as you lift the housing up into the head cap thread to replace. Hold 1 hand under the housing as you screw back on the whole house big blue filter housing by turning it clockwise. Do this until it is hand tight. If lubricated correctly this will screw on very easily without the tool.



8. Position the housing tool over the filter housing. Tighten the filter housing until firm. Do not tighten until overtightened. Do not force.
9. Do not open the valve on the mains yet, fully open the tap nearest to the whole house water filter.
10. Open the valve on the mainline slowly and let the water flow. Once the housings fill with water press the red air bleeder buttons on top of the filter housing to release the air inside the whole house big blue filter system. This will ensure that no air pockets are trapped inside.
11. Let the water flow out of the opened tap nearest to the water filter for a few minutes until the BLACK Carbon water has been flushed out and the water is clear again. You might want to collect the first flow of water into a bucket, as it may be very black water from the carbon fines from the new carbon cartridges.



12. Turn off the flushing tap. Turn on the taps inside the home to release any air and you are done. Inspect the work area, if there are no leaks etc and all is as it should be.

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Having Troubles with yoursystem.

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My Water Filter Pty Ltd