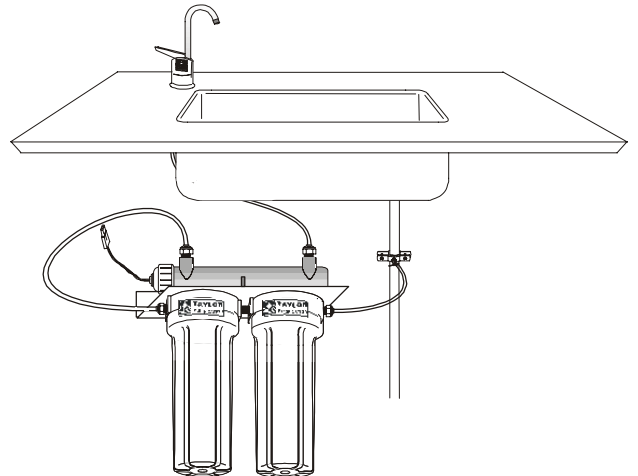


INSTALLATION INSTRUCTIONS FOR THE UNDER-BENCH UV FILTER SYSTEM (UVTS45)

- * Owners intending to install under-bench units themselves are reminded that installation by other than an approved Taylor Purification Agent will render the *Warranty* to “parts only”.
- * A 220v power supply is required for the ultra violet lamp. Please ensure this is properly installed by a registered electrician.
- * In areas where the water pressure can go above 700 Kpa (100 psi), or the household system is subject to *hammering*, the use of a Pressure Reduction Valve (PRV) should be installed.
- * Flow rates will be disappointing with water pressures below 150 Kpa (20 psi).
- * If you encounter any problems or have any questions ring the Taylor Purification help line, toll free, on 0800 50 85 95 during business hours.

1. System Positioning.

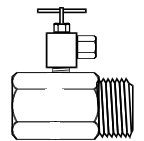
- Study the diagram at right to picture how the completed installation will look and how best to fit it under the bench. Orientation of the entire system does not matter but ensure that the indicator LED on the ultra violet (UV) unit can be easily seen and the filter housings can be removed for filter changing.



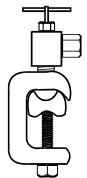
2. Positioning the Take-off Valve. (Refer Figure 1)

- ◆ The **Plumbers Delight** take-off valve is ideally suited for situations where a 15mm (1/2”) pipe with exposed joints is available - such as on *flexihose*. Turn off the water mains and using thread seal, install the Plumbers Delight in-line. Turn the handle fully clockwise to shut off flow before re-establishing mains supply.
- ◆ If there is no 15mm pipe with joints available, a direct “pierce” into the pipe is required using either the “**G**” **Clamp** or **Parallel** take-off valve -
 - Locate the cold water pipe and confirm that it is not in fact the hot water supply by holding onto it while running the hot water for a moment.
 - If the pipe is copper or plastic, it is not necessary to turn off the mains water supply to the house. Galvanised or iron pipe however, will need a 3.5 mm hole drilled into the pipe at the desired mounting point and therefore mains water will need to be turned off .
 - Except in the case of a pre-drilled hole, ensure that the piercing lance on the take-off valve is completely backed up by turning the handle anti-clockwise - with pre-drilled holes the lance should protrude fully to act as a guide in positioning the valve.
 - Ensure the black rubber seal is in place around the piercing lance outlet (nipple inwards, flat side out) - a wrap of thread tape around the rubber and metal work is ideal to ensure the seal doesn’t disappear down the wall cavity while positioning!
 - Tighten take-off valve in position. The backing plate on the Parallel valve and the compression flange on the “G” Clamp are reversible and should be placed as best suits the diameter of the pipe. Do not over tighten the parallel or “G” Clamps excessively. If using the Parallel valve ensure the two plates finish parallel.

Plumbers Delight



G Clamp Valve
Fits 8mm to 15mm pipe
Best suited to butylene
& copper pipes



Parallel Valve
Fits 8mm to
25mm pipe.
Best suited to
copper, galvanised
or iron pipes

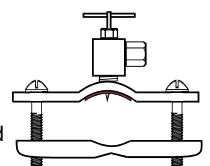


Figure 1

3. Fitting Bench Faucet.

- Decide on the location of the faucet on the bench top and drill a 12 mm hole. (Remember you have to be able to reach the thread end to tighten it to the bench and attach the tube!)
- Assemble faucet in position as shown in Figure 2

4. Connecting Tubing.

- Cut an appropriate length of tube to connect to the faucet. Slide the compression nut onto the tubing followed by a plastic delrin ring and then insert the brass or plastic insert (Figure 2). Push tube into faucet and tighten nut. Attach the other end of the tube to either outlet of the UV by pushing the tube into a John Guest Speedfit (Figure 3).
- Follow the same process to connect another piece of tube to the take-off valve.
- If not already in place, screw a John Guest Speedfit fitting into the first housing using a little thread tape. (The inlet and outlet ports of the twin sump can be identified by **IN** and **OUT** labelled on the base – it is important to get them the correct way round). Insert the tube from the take-off valve into the Speedfit.
- Attach a third piece of tube from a Speedfit in the outlet of the twin sump housings to the remaining fitting on the UV.

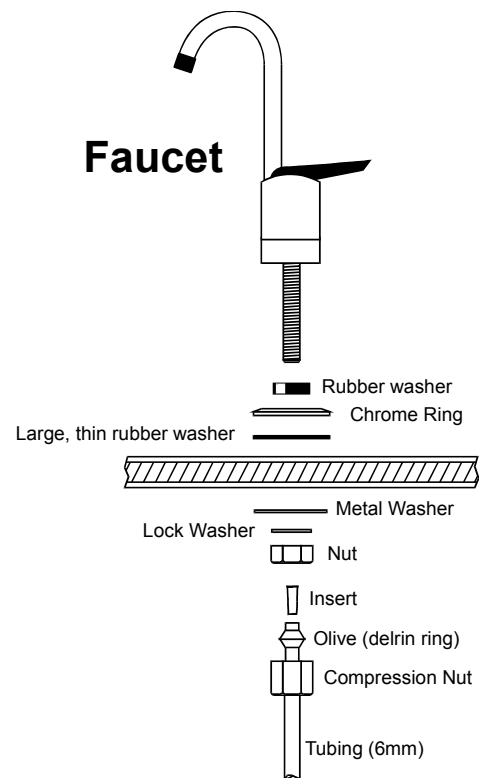


Figure 2

5. Piercing and Establishing Flow.

- With **G Clamp** and **Parallel** take-off valves; screw the handle fully clockwise; this will puncture the copper or plastic pipe. (If iron pipe, screw fully in and turn water supply back on)
- Turn faucet on by pulling handle up.
- Unscrew take-off handle anti-clockwise until water flows freely
Note: It may take some time for the filters and UV to fill and pass water. Approximately three litres per minute is a good rate.
- Turn faucet off to put system under pressure and check for leaks. Re-tighten connections if required.
- Adjust in-line needle valve flow restrictor to a flow of no more than 5 litres per minute. Use base locking nut to lock off future movement.

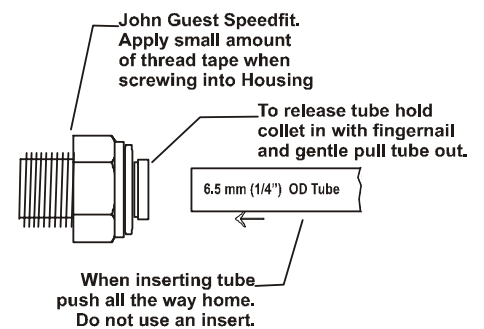


Figure 3

6. UV Power and Operation

- Join the UV lamp plug to the lead from the power transformer supplied.
- Connect transformer to a.c. power plug and switch on – confirm lamp is operational by blue glow from LED.
- Follow instructions for care and maintenance supplied on separate sheet.

7. Filter Care

- Under normal use, nothing need be done until a drop off in flow is noticed by the user. This indicates the primary filter is blocking up and requires replacement. These inexpensive filters are easily replaced by turning the water off using the off-take valve, unscrewing the first housing and replacing the filter.
- The secondary carbon filter should only require replacing annually but in some instances where organic matter or other contaminant levels are high, tastes or odours may start coming through before this time.