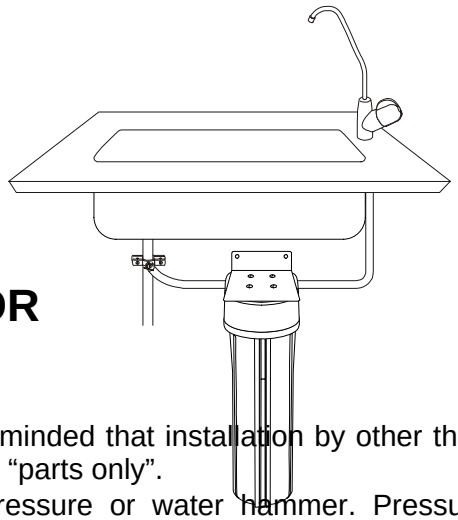
TAYLOR PURIFICATION
water treatment specialists



# INSTALLATION INSTRUCTIONS FOR UNDER-BENCH WATER FILTER

- Owners intending to install under-bench units themselves are reminded that installation by other than an approved Taylor Purification Agent will render any *Warranty* to "parts only".
- No responsibility is taken for units damaged by excessive pressure or water hammer. Pressure Reduction Devices are highly recommended if water pressure can go above 700 Kpa (100 psi).
- In low pressure situations, please consult with your local Agent or ring the toll free number before commencing installation - better options may be available to suit your particular situation.
- If you encounter any problems or have any questions ring the Taylor Purification toll free help line during business hours on 0800 660 010.

1. Checking the Housing
   - Unscrew housing and ensure 'O' ring is seated in its bedding correctly (in the "bulb" part; not the base where the inlet and outlet holes are situated). Some cartridges require correct orientation - check which way it comes out!
   - Holding the bulb with the 'O' ring to the top, hand screw the inlet/outlet portion on.
   - Tighten. *Note: Spanners are available for ensuring a firm, tight seal*

2. Positioning the Take-off Valve. (Refer Figure 1)
   - The **Plumbers Delight** take-off valve is ideally suited for situations where a 15mm (½") pipe with exposed joins 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.
   - The **Dish Washer Take Off** (DWTO) connector is designed to go straight onto the 20mm (¾") tap connection for the dish washer. Fit the **Quick-Fit** fitting (see Figure 3 for operation) into one of the side ports and use the spare "bungs" to block other ports not required. Turn off the tap on the wall, remove any existing hosing leading to an appliance, fit the DWTO onto the tap and reconnect any hose. Leave tap turned off until Step 6.
   - If there are no 15mm or 20mm fittings available, a direct "pierce" into the pipe (but never on *flexihose*) 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.

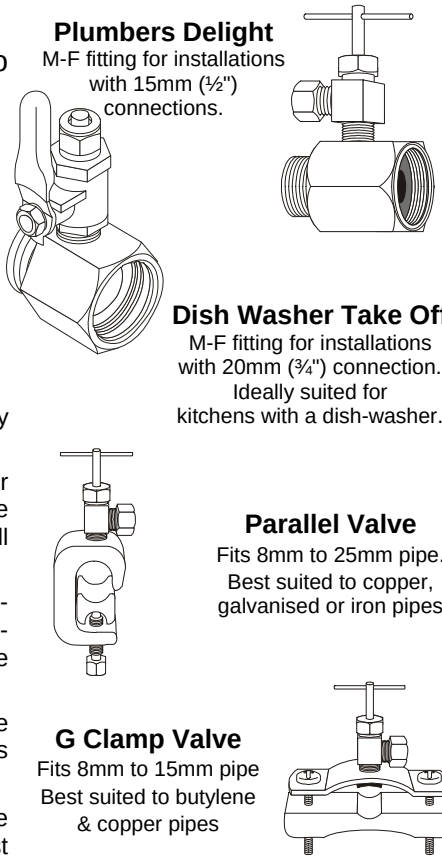



**Figure 1**
Take-off Valves

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 and screw **Quick-Fit fitting** (A4FA-7/16) to the bottom of the tap.

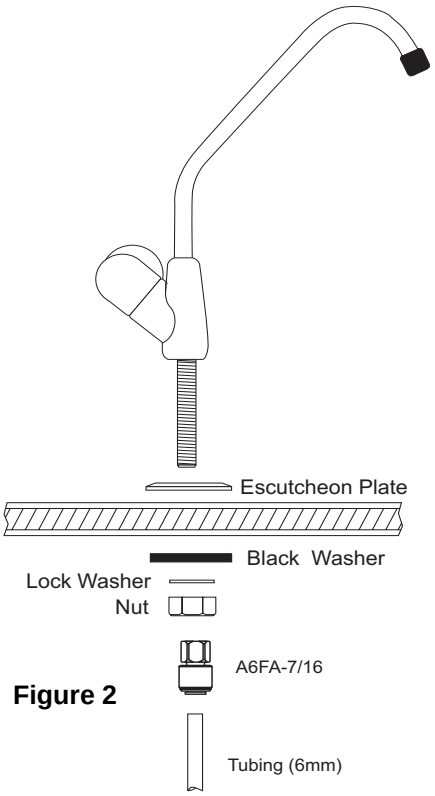


**Figure 2**

4. Connecting Tubing.
   - Cut a length of tube to connect to the faucet (this should be long enough to reach the desired final position of the filter housing). Fit tube to the **Quick-Fit fitting** (A4FA-7/16) as shown in Fig 3.
   - To connect the tube to the take-off valve, slide the compression nut onto the tubing followed by a plastic olive and then insert the brass or plastic insert. Attach to the take-off valve and tighten.
   - Screw a white **Quick-Fit** fitting (Figure 3) into the **OUT** port of the housing. (Use thread tape to prevent leaks)
   - Repeat for the **IN** port of the housing, connecting the tube coming from the take-off valve.
   - Attaching to any Quick-Fit connector is as simple as pushing the tube in (no olives or inserts required) but always test your connection by pulling back on tube to ensure secure fit.

*(Note: the housing does not need to be mounted as illustrated on the front page, placing it on its side or base is perfectly okay)*

5. Pressure Reduction Device [PRV] – *for water hammer or pressures greater than 850 kPa (125 psi)*
   - The **Waterline PRV** goes **before the housing** and the flow direction is indicated by an arrow on the side (Figure 4).
   - The **PRV** comes with standard ¼" OD mounting spigots to accept a variety of Quick-Fit connectors. Some options are illustrated in Figure 4.
   - If mounting directly to the housing (using a standard male connector as illustrated in Figure 3) ensure the unit is not likely to be exposed to violent knocks that could break the spigot. If in doubt, mount PRV out of potential danger using the keyed slots provided.
   - Quick-Fit connectors detach from the PRV using the same method as illustrated in Figure 3.
   - The Waterline PRV comes factory set with an output of 350 kPa. It is recommended that this setting is left untouched.

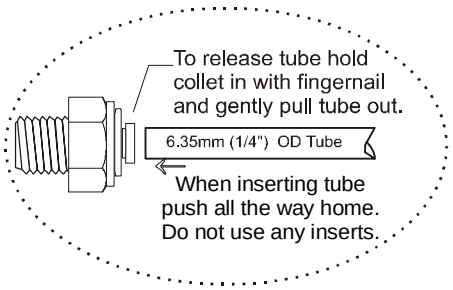


**Figure 3**

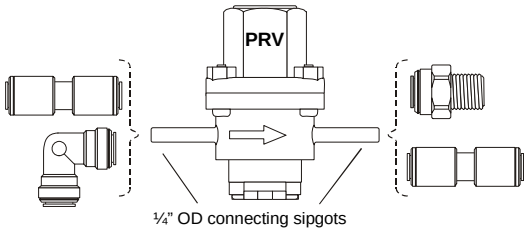


**Figure 4**

6. Piercing and Establishing Flow.
   - Turn handle on bench top faucet through 90°
   - 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)
   - Unscrew take-off handle anti-clockwise (or open tap if using a DWTO) and adjust for a maximum flow rate of 3 litres per minute. *Note: It may take some time for the filter to fill and pass water.*
   - Turn faucet off to put system under pressure and check for leaks. Re-tighten connections if required.
   - Run system for 20 minutes to flush new filter before use.

**Tollfree Help Line 0800 424 333**