

## Guide for plumbers and installers of POU water coolers and counter top hot water boilers

In order to protect our customers and ensure they enjoy the best and safest drinking water from our plumbed to mains water coolers and hot water boilers it is important that the installation is carried out correctly by a competent and appropriately qualified person.

Whilst the actual connection to the mains may vary in detail (pointing down instead of up or connected via a straight coupling instead of a 90 degree fitting etc), it is important that the main components and principles are maintained on **every installation**:

- **Connection must be to a potable water source**
  - Mains supply
  - No private bore holes or tank fed supplies unless they have a current certificate or evidence of suitability for consumption
- **All parts used must be suitable for a potable water system**
  - Industry standard hard fittings
  - WRAS / NSF approval for flexi connectors (**beware as many are not WRAS approved and are not suitable for potable water**)
  - WRAS / NSF approval or certificate of conformance for water contact plastic components
- **Mains pipe work should be run as close to the desired cooler / boiler location as possible to minimise the use of small bore plastic tubing and reduce the risks of leaks**

**NB.** Where the customer is arranging for the water supply to be brought to the desired location **this should done up to and including the sections shown in red below** and should take account of the points above and the pipe clip requirements below.



This picture shows an installation using our standard install rail:

- Shut off and check valve
- Pressure regulating valve
- Water block
- Fixed with appropriate pipe clips

This is connected to the mains pipe using a **WRAS approved** flexible connector (flexi connector is not needed if direct connection is straight forward).

Prior to the flexi connector the end of the copper mains pipe can be finished with a penny valve isolation (and optionally a final short piece of 15mm copper pipe).

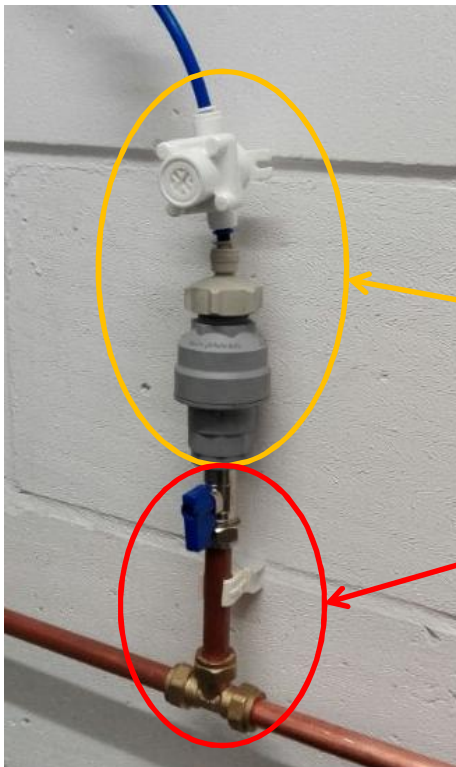


This picture shows another installation using our standard install rail consisting of:

- Shut off and check valve
- Pressure regulating valve
- Water block
- Fixed with appropriate pipe clips

This is connected to the mains pipe using a **90 degree tap connector**.

Prior to the 90 degree tap connector the end of the copper mains pipe can be finished with a penny valve isolation.



The final picture shows another variation of an installation which does not use our standard install rail but does still use the required component parts:

- Pressure regulating valve
- Water block

This is connected to the mains pipe using a **15mm to 3/4inch** washing machine style connector which **must incorporate a check valve** (unless a separate check valve has been fitted prior to this point).

Finally, due to the diameter of the water block it is important that the mains pipe is fitted with sufficient room / movement to any walls or corners to enable us to fit the install rail / water block.

If pipe clips are used close to the connection point of our fittings then these should be spaced off the wall using 10 or 12mm clip spacers (which we can provide).