



HALCYAN WATER CONDITIONERS

# Installation Instructions and Top Tips

# Installation Instructions

- Step 1:** Make sure the water is turned off at the main house stop-tap.
- Step 2:** Locate the correct position to install the Halcyan Water Conditioner, leaving enough space for the Halcyan unit, the single (22mm+) non-return valve (between the stopcock and the Halcyan) and the connectors. Total distance required is 250mm.
- Step 3:** Ensure you have left enough space to fit the (22mm +) single non-return check valve.
- Step 4:** Measure and remove the section of pipe.
- Step 5:** Install the non-return valve (in the correct orientation for the water flow) between the stop-tap and the Halcyan unit.
- Step 6:** Install the Halcyan using good quality, correctly sized compression fittings for your pipe diameter. (These may be straight connectors, or reducers where pipe size is different to the Halcyan fitting).
- Step 7:** Turn the water back on, check to ensure there are no leaks...installation completed.

## Top Tips

- We recommend using the following fittings for our 22mm units: 2 x Compression Coupler Male 22mm x 3/4" (Toolstation code: 57822 for example).
- Ideally locate the Halcyan as close to the stop cock as possible, and before any T-off points, to ensure maximum protection of the systems throughout the house.
- The H2o9 connectors are usually 22mm female BSP (although 15mm are available), the upper flow rate of the unit is 17lpm, and as such more than adequate for over 90% of domestic homes. For systems where the connecting pipe is a different size, simply use the correct reducers.
- Always use a 22mm or larger single non-return valve as some 15mm valves can limit flow rate.
- Where there is limited space in the pipeline, a vertical U bend can be created with the use of 90° bends to increase the available pipe length.
- If you have a pump or water meter installed in your system, the Halcyan should be installed no less than 2 metres before the pump/meter (to allow for the flow to return from its turbulent to laminar state and avoid cavitation in the pump or disruption to the meter).
- Your Halcyan can be installed:**
  - Above or below ground (max temp 80°C).
  - In any orientation (horizontally, vertically, at any angle).
  - And flow is from either end, so there is no incorrect direction.
- Its maximum operating pressure is 145 PSI (10 Bar).
- Not sure where to install your Halcyan? Contact us for advice.

### Important: Please Read

To comply with the guarantee process you need to take photos, on the day of installation. Details of what's needed are provided in Schedule 1 Section 1 of the Guarantee and Warranty document.

