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## Installation Guide

### Scale filter



# Installation requirements

## — Components included

Before commencing installation, ensure you have identified the following:

1. Scale control filter head
2. Scale control filter cartridge
3. 4 x 3/8" Stem Elbow pipe fittings
4. 3/8" Water pipe
5. Scale control filter instructions
6. 2 no braided hoses
7. 2 no BSP Nipple fixings
8. 4 no rubber washers

## — Please note:

Pipe is required to be cut during this installation process. Ideally this would be cut using a proprietary pipe cutter. Alternatively, a sharp knife can be used with a slicing action to avoid deforming or crushing the pipe

# Installation procedure

## 1. Prepare

- a. Unpack the scale control filter cartridge and filter head
- b. Remove the protection cap from the top of the filter cartridge.
- c. Fit the cartridge to the filter head.
- d. With the label facing the opposite way to the wall, fix bracket on the filter head.

## 2. Identify Filter Location

- a. Identify location close to the connection ports on the top of the under counter unit. (Ideally the assembly should be fixed to the side of the cabinet are sure to allow sufficient height to remove/refit the filter cartridge.

## 3. Fix Filter Head in Place

- a. Remove the filter cartridge from filter head and fix the filter head in the position determined above.
- b. Refit the filter cartridge.

## 4. Connect Fittings to Filter Head

- a. Insert one of the 3/8" Stem Elbow fittings to each of the following:
  - The two open push-fit ports on the side of the filter cartridge and,
  - The two open ports on the top of the under counter unit.
- b. Place a rubber washer to each of the ports. Then screw the braided hoses to these.
- c. Place the two BSP Nipple fixings to the screw on the units and then screw the braided hoses into the fixings.

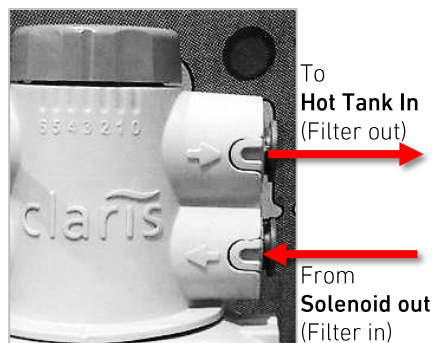
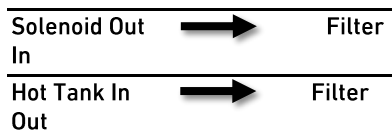
**When fitted correctly, the stem of the fitting should be almost completely inserted and it should not possible to remove them without compressing the collar. They should be able to swivel freely.**

If you need to remove them to refit, simply press back the dark grey collar around the pipe connection point and withdraw the fitting. (This can be repeated as much as is needed).

## 5. Connect Filter to Under Counter Unit

**FIRST CAREFULLY NOTE THE LABELLING OF EACH OF THE PORTS IS CORRECT AS CONNECTION IS VERY IMPORTANT.**

- a. Using the 3/8" pipe supplied, cut to the correct length (with a clean, straight cut end) for both connections.
- b. Make the connections as follows:



## 6. Set Water Hardness

- a. On top of the filter head is an adjustable valve control which needs to be set according to the hardness of your local water. To adjust, pull the top grey knob upwards and twist it until the pointer is aligned with the selected number and push the grey knob to lock it.

## 7. Commissioning

- a. The filter is now completely connected but not yet filled or flushed. Now proceed with the next stage of the standard Installation Instructions. However once the standard commissioning stage is complete (during which the filter will fill with water via the filter), you will then need to carry out the final stage as below:

## 8. Flush filter

- a. Once the commissioning stage is complete lastly proceed to dispense at least 5 litres of hot water in order to flush the filter. It is possible that during this flushing stage that the hot dispense function may be disabled while the heating cycle is in operation. If so continue flushing when the heating cycle is complete.

— **Caution:** The water will hot at this stage so care must be taken to avoid any risk of scald/burn injury.

— **Please note:** The flushing valve on the filter head should not be used for this installation

## — Technical Advice

Contact Billi on 020 7456 6789 or via email [client.care@billi-uk.com](mailto:client.care@billi-uk.com).