

Billi™ Specification Sheet

Specifications and guide to scale control selection

| Product Code | Description | Grade | To suit | Height mm | Diameter mm | Weight kg |
|--------------|--------------------------------------|-------------------|---|-----------|-------------|-----------|
| 693973 | Limescale Control Filter Kit | Heavy Commercial | Quadra 460, 4100, Quadra Plus, Sahara 360 | 410 | 136 | 3.2 |
| 693983 | Replacement Limescale Control Filter | Heavy Commercial | Quadra 460, 4100, Quadra Plus, Sahara 360 | 360 | 136 | 3.2 |
| 693972 | Limescale Control Filter Kit | Normal Commercial | Quadra Compact, 440 | 475 | 95 | 1.8 |
| 693982 | Replacement Limescale Control Filter | Normal Commercial | Quadra Compact, 440 | 425 | 95 | 1.8 |
| 693971 | Limescale Control Filter Kit | Light Commercial | Eco, Sahara 310 | 365 | 95 | 1.3 |
| 693981 | Replacement Limescale Control Filter | Light Commercial | Eco, Sahara 310 | 315 | 95 | 1.3 |

Components

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

Installation

1. Unpack the additional scale control filter cartridge and filter head.
2. Remove the protection cap from the top of the filter cartridge and fit the cartridge to the head, preferably with the label facing the opposite way to the wall fix bracket on the filter head
3. Identify a suitable location for the filter assembly relative to the connection ports on the top of the underbench unit. Ideally the assembly should be fixed back to the side of the cabinet/housing so ensure to allow sufficient height to remove/refit the filter cartridge.
4. Temporarily remove the filter cartridge and fix the filter head in the position as determined above. Refit the filter cartridge.
5. Fit one of the 3/8" Stem Elbow fittings into each of the two open push-fit ports on the side of the filter cartridge and one each of the two open ports on the top of the underbench unit. Ensure that they are fully and completely inserted. When fitted correctly, the stem of the fitting should be virtually completely inserted and it should not be possible to remove them without compressing the collar. However the fitting should be able to swivel freely (If you need to remove them to refit, simply compress back the dark grey collar around the pipe connection point and withdraw the fitting. This can be repeated as much as is needed).

The ports on the unit now need connecting to the filter using the pipe supplied. However first carefully note the labelling of each of the ports as correct connection is very important. The connections need to be made in the following order:

- Using a pipe of 3/8" pipe, cut to the correct length (with a clean, straight cut end), connect the port on the top of the unit labelled "Solenoid Out" to the port on the filter head marked with an arrowhead pointing into the centre of the filter head. Ensure the connections are made securely.
- Again, using a pipe of 3/8" pipe, cut to the correct length (with a clean, straight cut end), connect the port on the top of the unit labelled "Hot Tank In" to the port on the filter head marked with an arrowhead pointing out from the centre of the filter head.

Please Note: Ideally the pipe should be cut using a proprietary pipe cutter but alternatively a sharp knife can be used with a slicing action to avoid deforming/crushing the pipe.

On top of the filter head is an adjustable valve control which needs to be set according to the hardness of your local water. Typically no 4 is sufficient for most UK regions. To adjust, pull the top grey knob upwards, twist it until the pointer is aligned with the selected number and push the grey knob to lock it.

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:

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.

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