

INSTALLATION GUIDE

ECO Drinking Water System



BilliTM

BilliTM

Installation Requirements

Billi Eco System Components

- | | |
|------------------------------------|---------------------------------|
| 1. Underbench module | 6. Large washer |
| 2. Dispenser tap upper with tubing | 7. Tube spring clamps x 3 |
| 3. Dispenser base & mount | 8. 450mm flexible braided hose |
| 4. Barb locking bush | 9. Filter Cartridge (installed) |
| 5. 4mm chrome screw & allen key | 10. Billi Eco User Guide |
| | 11. Warranty Certificate |

Determine Unit Location

Plan the installation. Dispenser tube lengths, position of power and water outlets, required air space around the underbench module and access for service must be considered before cutting tube lengths. Refer to Diagrams 1 and 2 and the table below for clearances around unit. Unit must be installed horizontally with plastic vent panel facing to front of cupboard. The Eco is designed for internal installation only.

Water Supply

The Eco must only be connected to a cold water supply. A 15mm stop tap (not supplied) is to be installed in an easily accessible position within 450mm from the Eco water supply inlet. Supply Pressure: 200 – 1000 Kpa
Supply Temperature: 5°C – 30°C

Do not install with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

Ventilation

The Eco requires cupboard ventilation, adequate air space and an unobstructed clearance of at least 25mm on each side of the underbench unit. Door ventilation is to be provided by spacing the door gap with rubber stoppers.

IMPORTANT: Insufficient ventilation will cause inefficient refrigeration system operation, increasing power usage.

Power Requirements

A single 10 amp standard power outlet is required.
Eco module is supplied with 1 metre of flex cord and plug.

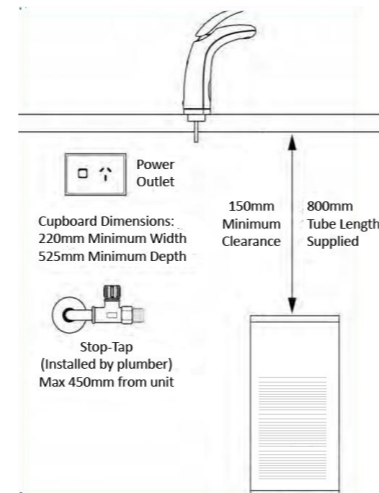


Diagram 1

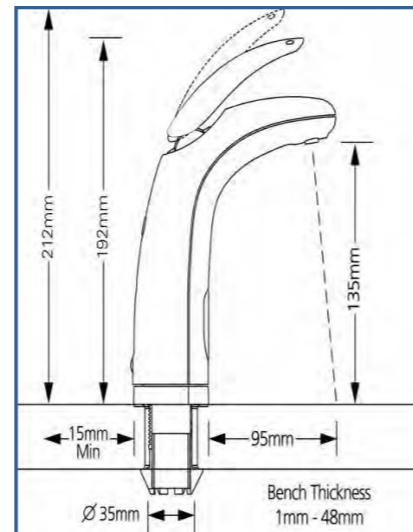


Diagram 2

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Notes

Installing Dispenser

IMPORTANT: this Billi appliance is to be installed by a licensed tradesperson in accordance with AS 3500.4 or AS/NZ 3500.4.2 and in compliance with applicable state regulatory requirements. For correct operation of this appliance, it is essential to observe the manufacturer's instructions.

Plan Dispense Position

Determine the position of dispenser mounting hole in sinktop or benchtop. Refer to diagram 2 for clearances allowed. Dispenser base template may be cut out and used to assist in correct positioning. Refer to diagram 6. Hole size required is 35mm.

Stainless Steel Sinktop

A suitable 35mm hole punch, (Part no: 857901) is available as an accessory from Billi Pty Ltd. If possible, cut hole with die mounted below sinktop surface so that burr is pulled downwards. Alternatively remove burr and radius edge of hole with a fine file. This allows barbed dispenser mount to slide smoothly into mounting hole. Oil hole punch regularly. Lubricate surface to be cut with detergent.

Timber/Laminate Benchtop

Maximum benchtop thickness is 48mm. Cut 35mm hole in appropriate position. When drilling through a particle board benchtop, take care to avoid a large chip breaking away as drill breaks through underside surface. We recommend drilling a small pilot hole through the benchtop, partially drilling the 35mm hole from underneath and then completely drilling the hole from above. The large 30mm washer supplied may be used to secure barb where underside particle board benchtop has chipped away.

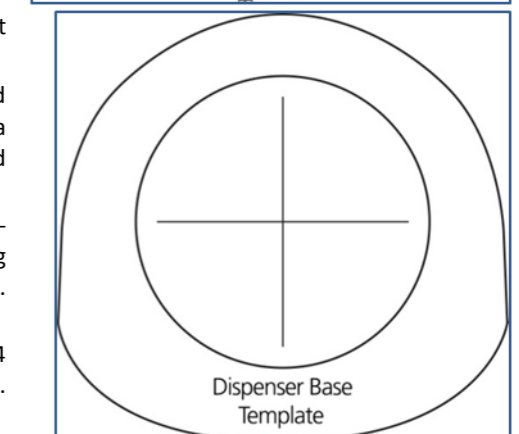
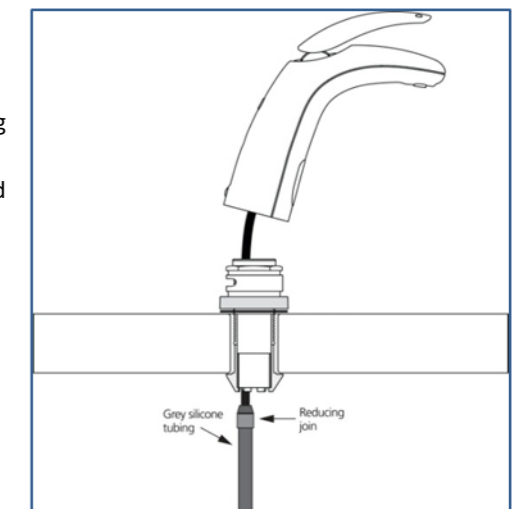
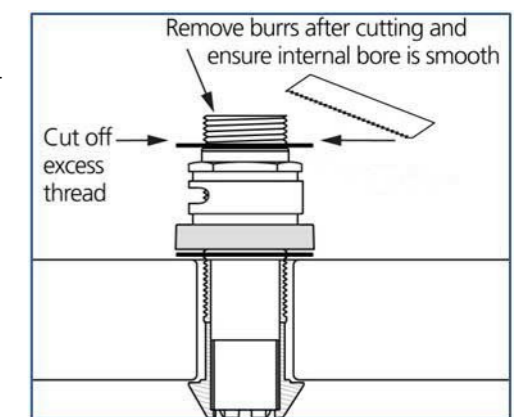
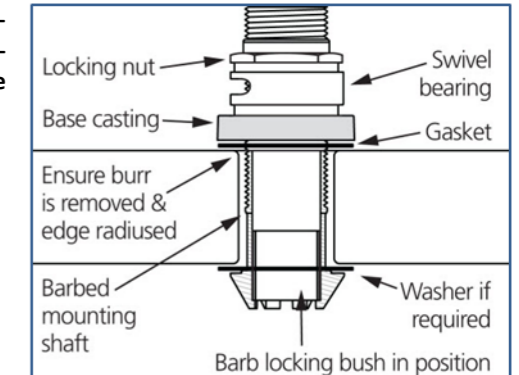
Fit Dispenser Base

1. Cut a 35mm hole in sinktop or benchtop. Remove burr if protruding upwards.
2. Press barbed mounting shaft through mount hole. Finger tighten nut.
3. Insert barb locking bush as shown in Diagram 4.
4. Ensure barb is centred in mount hole before tightening. Check position of base ring and gasket.
5. Moderately tighten locking nut using multigrips or spanner. Take care to avoid overtightening nut which may break the plastic threaded shaft.
6. Cut off excess threaded shaft with a hacksaw.

IMPORTANT: Remove burrs and check internal bore is completely smooth.

Fit Dispenser Head Assembly

1. Lay dispenser head assembly alongside mounting base assembly.
2. Feed dispenser tubing and loom through centre hole in the following order:
 - Dispenser power cord.
 - Grey vent silicone tube. Feed tube until reducing join passes through mount assembly – see Diagram 6.
 - Red and blue silicone tubing. To assist feeding the tubing, we recommend using silicone spray lubricant. Do not attempt to force tubing through with a pointed object as silicone tube is easily punctured. Check tubing is not kinked or twisted.
3. Turn dispenser head assembly to approximately 60° from the straight ahead position of dispenser base. Slide head assembly onto base assembly whilst gently pulling tubing downwards from underneath to prevent tubing bunching and kinking. Mounting lugs will pass nut and slide down the 3 grooves on the swivel bearing.
4. Once fully down, turn dispenser to straight ahead position. Fit chrome plated M4 retaining screw to lower rear threaded hole and tighten using the allen key supplied. Check dispenser now swivels smoothly 45° in each direction.



Installing Underbench Module

Flush Water Supply

Flush water supply pipework before installing the underbench unit by connecting 450mm flexible braided hose to the supply tap and running water into a bucket.

Install Underbench Unit

Take care to observe minimum clearances. This is particularly important with air-cooled models. Ensure there is adequate access to service the unit.

Connect Dispenser Tubing and Electrical Plug

Connect all tubing and electrical plug as shown. Ensure correct orientation of dispenser power plug before insertion. Trim tubes to correct lengths using a sharp knife or plastic tube cutter. Avoid leaving excess tubing which will sag, trapping water. Fit spring clamps supplied to retain silicone rubber tubing to barbed fittings

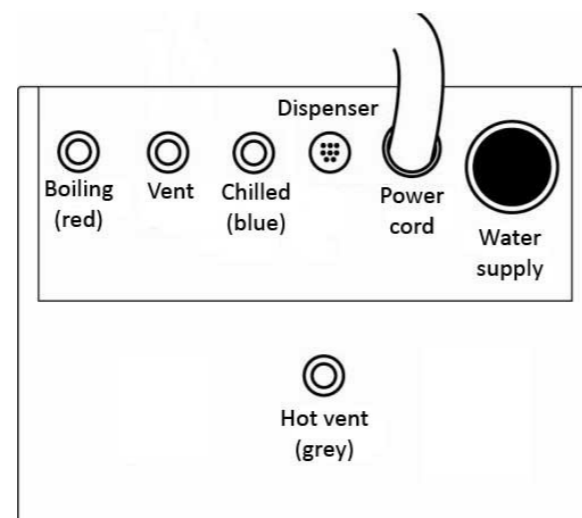
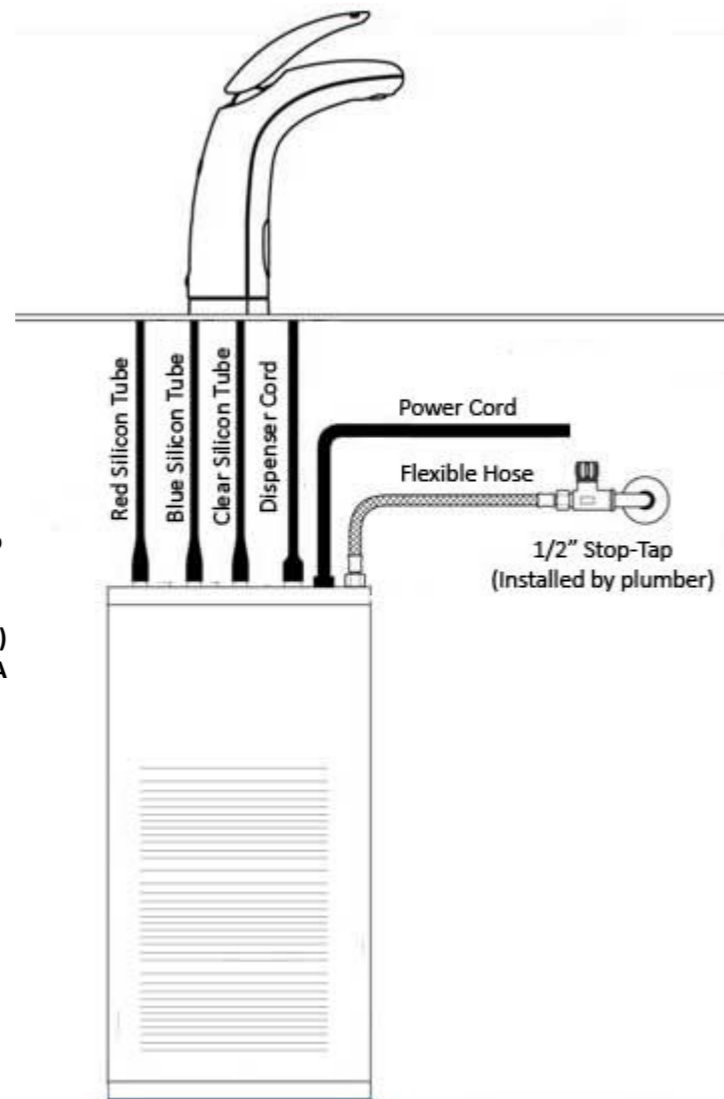
IMPORTANT: BOILING OUTLET (RED) AND VENT TUBE (GREY) MUST NOT BE KINKED AND MUST BE INSTALLED WITH A CONTINUAL FALL.

8. Commission the System

- Turn blue temperature control knob to OFF.
- Turn electricity supply ON at wall outlet.
- Turn water supply tap ON.
- Check that there are no leaks.

9. Re-check Connections for Leaks

10. Explain Operation to User



Warnings



For continued safety of this appliance it must be installed, operated and maintained in accordance with the manufacturer's instructions.

- Your appliance should be installed by a suitably qualified tradesperson.
- For correct operation of this appliance it is essential to observe the instructions as outlined in this booklet.
- Do not use this appliance with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
- Filter replacement must be performed at intervals of not more than 6 months.
- Use this appliance only as directed in these instructions and only for its designed purpose.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- DANGER:** The operation of the thermal cut-out indicates a possibly dangerous situation. Do not reset the thermal cut-out until the water heater has been serviced by a qualified person.
- WARNING:** Do not connect any restrictor or pressure relief device to the vent pipe of this water heater if installed.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be re-used.