



EBD Duo Series

Automatic Under Bench Boiling & Hot Water

Installation and maintenance instructions

Please read prior to installation

WHAT'S IN THE BOX:

- 1 x EBD Boil/Hot Water Unit
- 1 x EBE 01 Express Tap
- 1 x EB 260 Valve Kit for Boil/Hot units (includes brass adaptors)
- 1 x Boiling Water Warning label

Note: Copper line for the Manifold construction is not supplied

Important

This unit must be installed by an authorised plumber

The unit to be connected in accordance with AS 3500.4.1
or AS/NZS 3500.4.2

Do not turn on power to this boiler until water is flowing
from the tap

Please leave these instructions with the owner

Prior to installation

- Flush main water supply inlet prior to making connections.
- Minimum inlet pressure is 260 kPa.
- Only teflon tape to be used where necessary. Under no circumstances is plumbing paste to be used.
- When fitting this unit in a cupboard of small proportions, please note that the unit does omit heat. If in doubt fit cross flow vents.
- Do not connect to the hot water line or fire hydrant supply - to do so will void the warranty.

Product Information

The boil unit is fitted with a computerised element and boil dry protection.

The computer is set at 95 Degrees C, altitude will alter the boiling point.

- All valves supplied must be fitted for the correct operation of the unit.
- If fitted with a water filter, we recommend changing the filter cartridge every 12 months.
- We recommend cleaning and servicing the unit every 24 months, or every 12 months in hard water areas.
- If the supplied power cord is damaged, it must be replaced by an electrician.

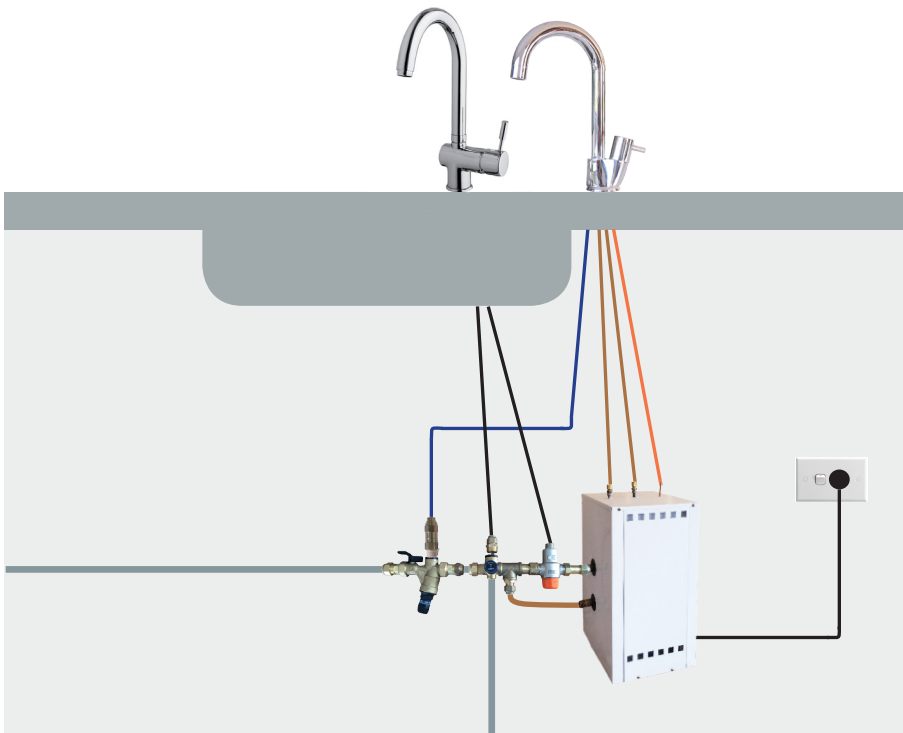
Installation Instructions

- 1. Do not plug in the unit or turn on the power, until the installation process is complete.**
2. Position under sink as close as possible to where the outlet tap is to be fitted.
3. Drill a 36mm diameter hole in the desired position for the tap. Place in the hole and tighten the underneath nuts against the flange.
4. Observing the attached labels on the tap:
 - a. Measure and cut the pipes to the desired length. Do not lengthen the copper pipes under any circumstances.
 - b. Connect the 1/4" pipe from the tap to the inlet on the unit.
 - c. Connect the 5/16" pipe from the tap to the outlet on the unit.
 - d. Connect the 1/4" pipe from the tap to the water supply via the 350 kPa PLV and brass connectors supplied.
 - e. Connect the silicon tubing from the tap to the vent pipe on the unit.

Note: The next 5 steps involve the installation of the valve kit (provided) and small section of copper line (not provided) between the hot inlet port and the tempering valve.

5. Screw the Tempering Valve into the top port of the Boiler unit heat exchanger (the hot outlet port on the side of the unit). Plumb the hot water line from the mixer tap to the Tempering Valve tempered outlet as shown in the diagram.

6. Connect the Brass Tee to the tempering valve then construct a 1/2" copper pipe from the Brass Tee to the heat exchanger bottom port (cold inlet port).
7. Install the Expansion Control Valve (ECV) as shown next to the Brass Tee, remove the top blank and connect to the cold line of the mixer tap. Then use the bottom port and connect to a suitable drain port.
8. Install the Non Return Valve with Isolator next to the ECV, also connecting the mains water line. Then connect the 350 kPa PLV using the brass connectors supplied to the top port on the Non Return Valve.
9. Open the Express Boil Tap until water flows without air bubbles. Then do the same with the Sinktop Mixer.
10. Plug the unit into a standard 3 Pin 10 Amp power socket and switch on. Allow 20 minutes prior to testing and use.
11. Check for leaks at all connections.
12. Position 'Caution Boiling Water' label close to the tap to alert users to take care when using the Express Boil Tap.



Trouble Shooting

SYMPTOM	CAUSES	ACTION
Water overflowing from tap spout	Expansion chamber full	Run tap for 5-10 minutes
	Low inlet pressure	Contact water supplier
Excessive steam from tap	Faulty element	Replace element
Water not hot	No power supply	Check and test power supply
	Faulty element	Replace element
No water	Water has been turned off	Check mains water supply
	Blocked inlet filter	Clean or replace filter cartridge



For more information about Ecoboil and our products,
visit our website or contact us:

Ecoboil Appliances Limited

Phone 09 238 2209

Fax 09 282 4073

Mail P.O. Box 940, Pukekohe 2340

Web www.ecoboil.co.nz