

Installation & Operating Instructions

Birko DownUnder Under-Sink Boiling Water

Under-sink instant boiling water the simple way.

Key Features

- Filtered boiling water always on tap - just push the button and out it flows.
- Fashionable goose-neck tap for a smooth steady water flow - no spattering.
- Stainless steel water tank and polished stainless steel under-sink cabinet.
- Supplied complete with 5-micron inline filter, cupboard air vents and safe tray.

Key Specifications

Model	USB 2.5	USB 5	USB 10
Boiling water delivery (cups)	15	30	60
Boiling water capacity (litres)	2.5	5	10
Boiling water recovery (cup/hour)	120	120	120
Boiling water element (amps)	10	10	10
Supply voltage (volts)	220-240	220-240	220-240
Minimum water pressure (bar)	2	2	2
Maximum water pressure (bar)	8	8	8
Cabinet height (mm)	295	295	385
Cabinet width (mm)	360	380	380
Cabinet depth (mm)	360	425	425
Safety tray height (mm)	30	30	30
Safety tray width (mm)	395	415	415
Safety tray depth (mm)	395	465	465

Notes: Cup size is 170 mL. Inline filter, safety tray and cupboard air vents supplied with each product must be installed before operation.



Please Read These Warnings First

- Read all installation instructions and precautions before installing any system.
- Never attempt to install any system without reading all of the instructions.
- All plumbing connections must be made in accordance with AS3500.
- Do not install where water is microbiologically unsafe or of unknown quality.
- The under-sink unit must be installed on a clear level surface.
- Inline filter, safety tray and cupboard air vents supplied must be installed before operation.
- The system is not intended for use by young children or infirm people without supervision.
- Young children should be prevented from having access to ensure that they are not able to use the system or play with it.
- If the power supply cord is damaged it must be replaced by a Birko Service Provider or qualified technician.
- Do not remove the cover of the under-sink unit under any circumstances without first isolating the heater from the power supply.
- Do not store detergents or other chemicals in the same cupboard as the under-sink unit.

Positioning

- Select a position for the tap where it will drain into a sink.
- Preferred position is to the rear and left of the sink bowl.
- Select a position for the under-sink unit as close as possible to immediately beneath the tap.
- Under-sink unit must be on a level surface <1000 mm below top of tap.

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Ventilation

The cupboard in which the under-sink unit is installed must have ample ventilation. This is especially critical when other appliances (like dishwashers) are installed in the same cupboard.

Without ample ventilation the system may overheat, malfunction or be permanently damaged.

Sample cupboard vents are supplied with this product to aid ventilation. They or something similar must be installed before operating the system. Louvred cupboard doors are ideal.

Water Supply

The system is designed to be connected to a cold water supply via

- 1) a filter (provided),
- 2) a pressure limiting valve (not provided) and
- 3) an isolating valve (not provided).

Never connect this system to a hot water or warm water supply.

Minimum operating pressure is 200 kPa and maximum of 800 kPa.

Cold water supply temperature should range only from 5°C to 30°C.

Do not use sealing paste on water supply joints as it may taint water.

Plumbing

Do not remove the cover of the under-sink unit during installation.

All connections can be accessed without removing the cover.

To install the tap, first cut a 22 mm diameter hole in the sink.

Position the tap so the spout drains directly into the sink.

For safe operation, position tap button at right angles to spout.

Pass the tap hose and cable through hole to under-sink unit.

Clamp tap base in position using plastic nut and washer provided.

Install the safe tray (provided) in the cupboard beneath the tap.

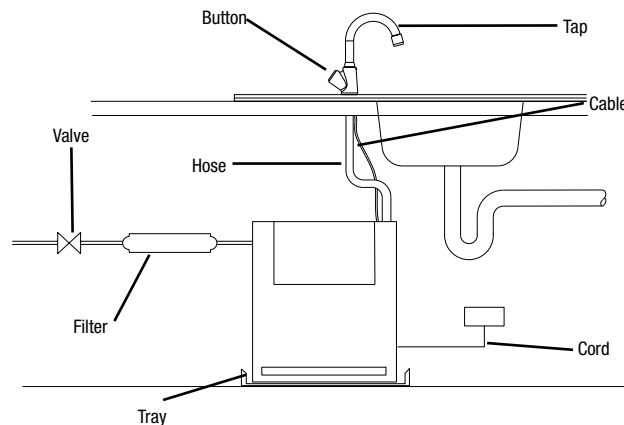
Place the under-sink unit in position within the safe tray.

Trim the tap hose to length and fit to the under-sink unit outlet.

Do not coil, kink or extend the tap hose connected to the outlet.

Connect the low voltage cable from the tap to the under-sink unit.

Do not cut the cable: excess cable must be coiled and tied off.



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Electrical

This appliance is equipped with 1.8 metre power cord and plug to connect to a 10 amp 220-240 volt power outlet. For fixed wiring use a licensed electrician.

Note: this appliance is electronically controlled and will not operate with a portable generator power supply or a split system transformer.

Drainage

A vent hose is located inside the under-sink unit to allow for the discharge of any excess water and steam in the unlikely event of a system failure.

The vent hose is intended to drain into the base of the unit whilst maintaining an air break so as to eliminate the risk of cross contamination of the water should the base become filled.

Water held in the base of the unit may then flow into the safety tray. To avoid the risk of damage to cupboards and flooring, the safety tray must be drained as per AS/NZS3500.4.

Commissioning

When the installation is complete, turn on the water and check for leaks.

To avoid damage to the system, water must be turned on before power.

When the power is turned on the system will automatically prime as below.

Priming Mode

When the power is turned on for the first time, the system will prime itself automatically, covering heating the element. The element will switch ON and boil that amount of water. This will take 10 to 15 minutes and will start the heat-and-refill process until the boiling chamber is filled. The system then goes into standby mode, keeping the stored water close to boiling point.

Operation

To dispense boiling water press and hold down the round button on the tap base.

After a two second delay boiling water will flow from the spout for 20 seconds or until the button is released.

If more water is needed, press the round button again.

If, after much use, the system fails to respond, it should be left to replenish itself.

If continuous operation is required for 30 minutes or more a rest period of 60 seconds every ten minutes will be necessary.

If the taste of the water deteriorates, it may be time to replace the water filter.

Always ensure that water AND POWER are turned off before replacing filter.

For safety's sake, filters should be replaced at least once each 12 months.

Safety

Take care when using the system otherwise scalding may occur.

The system is fitted with a manual-reset safety device for boil-dry protection.

The system is also fitted with an auto-reset thermostat to detect excessive steam in the event of any failure of the electronic controls or water solenoid valve.

If either safety feature is actuated, the heater must be serviced by a Birko Service Provider or a suitably qualified technician. It is not user-serviceable.

If for any reason the water supply must be turned off, it is most important that the power be turned off to prevent any damage to the system.

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Warranty Information

The Birko appliance you have chosen is precision-built from the finest materials available and should give many years of trouble free service.

Birko Heaters Australia Pty Ltd warrants that, should any part fail within 12 calendar months of installation, that part will be repaired or replaced free of charge by Birko or its Distributor or Service Provider, except as set out below, provided the appliance is installed and used strictly in accordance with the written instructions supplied, and that the failure is not due to accident, misuse, abuse, unsuitable water conditions, or to any alteration, modification or repair by any party not expressly nominated by Birko.

No costs are payable by the customer other than any mileage or travelling-time charges incurred by a Birko Service Provider or the cost of removal, cartage and re-installation of any component of the appliance if it needs to be returned for repair to Birko or its Distributor.

This warranty does not cover damage resulting from non-operation of the appliance or consequential damage to any other goods, furnishings or property.

Furthermore, this warranty does not displace any statutory warranty, but, to the extent to which Birko is entitled to do so, the liability of Birko under any statutory warranty will be limited at Birko's option to the replacement of the appliance or supply of equivalent appliance, the payment of the cost of replacing the appliance or acquiring an equivalent appliance, or the payment of the cost of having the appliance repaired or the repair of the appliance.

Registering Your Purchase

Registering your purchase on the Birko website may help to establish date of purchase should it become necessary to service the appliance under terms of the Birko warranty. To register your installation go to www.birkoheaters.com and look under the heading "Warranty".



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June 2003 Publication 601008

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