

# Zip Hydroboil Duo

Instant boiling and chilled filtered drinking water



## Key Features

- Instant filtered boiling water
- Instant chilled filtered water
- Choice of three models
- Integral five micron filter
- Optional sub-micron filter
- Energy efficient - sleep mode functionality & programmable timer
- Electronics control - can not boil dry
- Easy installation
- 1 year warranty parts and labour
- Backed by Zip's nation-wide Service Organisation

The perfect solution for providing hot and cold drinks at work

## Energy Efficient

The system has been designed with energy efficiency in mind.

To conserve energy, a choice of two "Sleep Modes" allow the boiling water system to be powered down after either 2 or 4 hours of inactivity.

In sleep mode the water temperature in the boiling tank is kept at approximately 64°C to minimise energy consumption whilst still keeping water at a temperature that prevents growth of bacteria. The display notifies the user that the system is in sleep mode. The system can be "woken up" by depressing any button on the display or by drawing water from the tap. When the system is ready for operation, "Normal Operation" is displayed on the screen.

The system can also be programmed to cycle on and off at a pre-determined time for each day of the week. When the boiling water tap is reactivated, the heater returns to a useable temperature within approximately 3 minutes for the 5L tank model and 8 minutes for the 15L model.

## Conserves Water

The Hydroboil Duo also conserves water. Since it only dispenses water at the desired operating temperature, there is no water wastage in purging lines.

The classic two-way tap provides accurate control for dispensing water to cups, mugs and glasses or teapots, bottles and saucepans.

## Healthy Drinks

The inbuilt filtration system removes contaminants from the water supply that can affect the taste. It conforms to AS/NZS 3497:1998 and filters out dirt, rust, and particulates that can contaminate drinking water whilst removing unpleasant odours.

With optional sub-micron filtration, it also filters out cysts such as giardia and cryptosporidium.

Smart logic displays the number of litres of water consumed since the last filter change and the filter warning indicator can be set to accommodate varying water quality conditions.

## Saves Money

The high capacity chilled filtered water dispenser means that there's no need to spend money buying and storing expensive bottled water.

Just a few of the reasons why Zip Hydroboil Duo is a most cost effective, energy efficient solution for hot and cold beverages in the workplace.

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Model	Dimensions H x W x D mm	Weight empty	Weight Full	Element rating	Overall rating @ 240v	Overall rating @ 240v	Case	Filter	Boiler usable capacity	Initial draw boiling cups	Chiller usable capacity	Initial draw chilled glasses
310110	430 x 280 x 650	32Kg	42Kg	1.8kW	2.0kW	8.3 amps	White	5 micron	5.0L	30	3.2L	35
330110	580 x 350 x 700	40Kg	64Kg	2.1kW	2.3kW	9.5 amps	White	5 micron	16.5L	100	3.2L	35
320110	580 x 350 x 700	40Kg	64Kg	3.3kW	3.5kW	14.4 amps	White	5 micron	16.5L	100	3.2L	35
310111	430 x 280 x 650	32Kg	42Kg	1.8kW	2.0kW	8.3 amps	S/Steel	5 micron	5.0L	30	3.2L	35
330111	580 x 350 x 700	40Kg	64Kg	2.1kW	2.3kW	9.5 amps	S/Steel	5 micron	16.5L	100	3.2L	35
320111	580 x 350 x 700	40Kg	64Kg	3.3kW	3.5kW	14.4 amps	S/Steel	5 micron	16.5L	100	3.2L	35
310120	430 x 280 x 650	32Kg	42Kg	1.8kW	2.0kW	8.3 amps	White	Sub micron	5.0L	30	3.2L	35
330120	580 x 350 x 700	40Kg	64Kg	2.1kW	2.3kW	9.5 amps	White	Sub micron	16.5L	100	3.2L	35
320120	580 x 350 x 700	40Kg	64Kg	3.3kW	3.5kW	14.4 amps	White	Sub micron	16.5L	100	3.2L	35
310121	430 x 280 x 650	32Kg	42Kg	1.8kW	2.0kW	8.3 amps	S/Steel	Sub micron	5.0L	30	3.2L	35
330121	580 x 350 x 700	40Kg	64Kg	2.1kW	2.3kW	9.5 amps	S/Steel	Sub micron	16.5L	100	3.2L	35
320121	580 x 350 x 700	40Kg	64Kg	3.3kW	3.5kW	14.4 amps	S/Steel	Sub micron	16.5L	100	3.2L	35

## Installation

All plumbing must comply with AS3500.4.1 & AS3500.4.2

All electrical must comply with AS3350.1, AS3350.2.15

Before installing ensure that the following have been provided at the installation site:

- Sufficient space to install the appliance in accordance with these Installation Instructions.
- A water supply connection, with isolating valve.
- Cold water pressure between 0.7 bar (70kPa) and 7 bar (700kPa). If higher than 7 bar (700kPa) then install a 5 bar (500kPa) pressure reduction valve.
- Power supply 220-240 Volt AC,
- For models 31XXXX and 33XXXX a 10 amp G.P.O. is required. For models 32XXXX a 15 amp G.P.O. is required, or an isolating switch in the fixed wiring and attached to a secure surface. This switch must provide all-pole disconnection and a contact separation of at least 3 mm installed in accordance with the wiring rules.

**NOTE:** Upon initial startup, the system performs a self-calibration which causes the unit to over-boil for a period of 90 seconds. Once this operation is completed the system reverts back to normal operation.



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## Venting

Sometimes steam and / or boiling water may discharge through a vent outlet. The vent pipe must be plumbed to a safe visible position via a Tun dish.

## Filter Control

The Zip Hydroboil Duo filter control is preset to 6000 Litres with the option of 1 to 365 days or 12 months to provide trouble-free flow and operation in most installations. Local water quality conditions may require an alteration to this capacity.

## Refrigerant

The Zip Hydroboil Duo Chilling unit contains 134A refrigerant under pressure. No part of the unit should be exposed to a naked flame. Maintenance of the refrigeration unit must be carried out by an accredited service provider or qualified refrigeration mechanic.

## Airflow

This unit should operate within a temperature range of 5 - 35°C ambient. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps are provided, these are 150mm on the left hand side and 50mm on the right hand side. Make sure that the ventilation grilles on the right hand side are not obstructed. Failure to do this may cause the Hydroboil Duo to overheat and operate inefficiently. Vents should be cleaned from time to time as appropriate.

## Frost Protection

If this appliance is located where the ambient air temperature could fall below 5°C do not turn off the electric power. This safeguard does not offer the same protection to the connecting pipe work and fittings.

## Factory Settings

The boiling water temperature is preset at 98.0°C. This can be adjusted from 68°C to 98°C.



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