

Zenith Duo

Instant boiling and
chilled filtered water

5.0/3.2 litre, 16.5/3.2 litre



Filter compartment at side.

Zenith Duo on stand with drip tray offering both boiling and chilled filtered water.

Recovery rates

Capacity	Recovery cups/hr	Recovery glasses/hr	Power Rating kW
5.0/3.2 litre	120	90	2.0
16.5/3.2 litre	160	90	2.3
16.5/3.2 litre	206	90	3.5

Features

No waiting for water to boil!

No bottled water to buy!

Two energy-saving power modes:

1. A 24/7 programmable clock that can be manually set
2. Sleep mode when there has been no activity for a 2 or 4 hour pre-set time

High capacity unit that is great for high traffic areas such as canteens & factories

Designed to maintain boiling water within 1°C of set point and <10°C for chilled. Boiling water is factory set to 98°C

Fail-safe thermal protection system with auto-reset

Two-way cool-touch classic tap for filling cups and pots. Locks on for filling pots

Can be wall mounted or an optional stand with drip tray is available for on counter display

In-built safety controls to prevent boil-dry

Backed by the Zenith nationwide service network



Features

- High capacity unit for canteens, restaurants and factories.
- Dispenses boiling and chilled water.
- Designed to maintain boiling water within 1°C of set point and between 5-10°C for chilled. Boiling water is factory set to 98°C.
- Fail-safe thermal protection system with inbuilt auto-reset cut-out.
- Stainless steel long life tank.
- Two energy efficient, timer control options to power the unit down when not in use.
- Power-saving 24-hour clock to pre-set unit to power down at particular times in order to conserve energy.
- Power-saving sleep mode to reduce energy consumption when the heater is not used during non-work times such as over night, weekends or holiday season.
- User-friendly display panel allows for manual adjustments, timer control & system information.
- Boiling and chilled individual dispensing levers allow simultaneous access.
- Boiling lever stays cool to the touch.
- Available in brushed stainless steel only.

Heating element

Long-life Incoloy sheathed embedded rod type.

Temperature control

Electronic.

Case

Stainless Steel.

Insulation

High temperature insulation engineered for quick access to boiling chamber port.

Safety features

Thermal cutout integral to heating element; thermal cutout on vent tube.

Installation

Location

Should be installed over a draining board or on the optional stand with drip tray.

Minimum tap height above draining board for on-wall maintenance is 200 mm.

Leave minimum clearance of 150mm above, 150mm left and 50mm right.

Plumbing

Designed for direct connection to a potable cold water supply with a minimum pressure of 70kPa and a maximum pressure of 700kPa.

A 350kPa pressure reducing valve must be installed if water supply pressure is likely to exceed 700kPa.

An isolating valve should be installed between the water supply and the unit.

For concealed plumbing connections, connect inlet and vent pipes from the rear via 12.7 mm capillary elbows.

For exposed plumbing connections, connect inlet and vent pipes from the bottom directly to 12.7mm compression fittings with nuts and olives provided.

Venting

The vent must discharge to a safe visible position as, under certain conditions, the vent may discharge cold or boiling water and/or steam.

The vent pipe outlet must be connected via a tundish to a 12.7 mm OD copper vent pipe which has a continuous fall, is no more than 3 metres long, and has no more than 3 right angle bends.

Electrical

For models 312111: To be connected to a 10amp GPO, 220V - 240V AC power supply.

For models 322111 & 332111: A 15amp GPO is required or an isolating switch in the fixed wiring 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

To be installed by a qualified tradesperson in accordance with manufacturer's instructions and AS/NZS 3500 plumbing and AS/NZS 3350 wiring regulations.

Caution

In some hard water areas where mineral scale accumulation can become a problem, consideration should be given to the maintenance required. A suitable form of water treatment may be necessary.

Technical Advice

Contact Zenith Heaters Limited on **0800 558 055**.

Accessories

90777NZ - Stand with drip tray for 312111
90778NZ - Stand with drip tray for 322111 & 332111
28002NZ - 5 micron filter*
28005NZ - Sub micron filter*
*Zenith filters comply with NSF/ANSI 42 and/or 53 industry standards.

Product Details	Order Codes 5 micron	Boiling recovery cups [^] p/hr	Chilled recovery glasses* p/hr	Energy Rating (kW @ 240V AC)	Dimensions										
					A	B	C	D	E	F	G	H	J	K	
Zenith Duo 5.0/3.2L	312111	120	90	2.0	431	650	275	27	298	188	25	42	178	51	
Zenith Duo 16.5/3.2L	322111	160	90	2.3	578	700	350	27	333	273	25	42	310	51	
Zenith Duo 16.5/3.2L	332111	206	90	3.5	578	700	350	27	333	273	25	42	310	51	

*Standard glass = 200ml. ^Standard cup = 167ml.

