

# Zenith Hydroboil<sup>®</sup>

Electronically controlled boiling water heaters with added safety and energy-saving features

3.0 litre, 5.0 litre, 7.5 litre HBE6 Electronic Models



### Advantages

- Safer to use, with new lockable cool-touch boiling water tap
- Cost less to operate, with electronic energy-saving features
- Highly efficient, with patented twin-chamber boiling technology (patented steam-heat-boost preheats incoming cold water)
- Simpler to service, with dual-port access to boiling water tank
- Superior filtration accessory kit available with choice of 5-micron or sub-micron filter
- Choice of durable welded stainless steel or white steel case

**Extended warranty: 5 years pro-rata on tank, 2 years conditional on heater (first year parts and labour, second year parts only)**

**Backed by the Zenith nationwide service network**

### Three power-saving options (patented system for activation during installation)

- Cool-touch tap has no hot metal parts exposed to the touch
- Locking device can be set to prevent accidental tap activation
- Electronic display panel signals when heater is operative

### Special operating-safety features

- Manually-set 24/7 clock powers-down heater at preset intervals
- Sleep mode cuts in when unused for 2 or 4 hours (preset time)
- Low-light detector powers-down heater when room lights are off
- Press tap to fill cups, lift tap (locks on) to fill pots hands-free

### Recovery rates

| Capacity  | Cups at a time | Recovery Cups/hr | Power Rating kW |
|-----------|----------------|------------------|-----------------|
| 3.0 litre | 18             | 100              | 1.5             |
| 5.0 litre | 30             | 150              | 2.4             |
| 7.5 litre | 45             | 150              | 2.4             |

See installation instructions for warranty details.  
Zenith Spec Sheets Update: 010608



**Features**

- Quality instant boiling filtered water heater with built in electronic technology.
- Patented twin chamber technology separating the incoming cold water supply from the boiling chamber.
- Patented steam-heat boost feature pre-heats mains water in the cistern prior to entry into the boiling tank.
- Designed to maintain water within 1°C of set point. Factory set to 98°C.
- Equipped with safety lock device with illuminated on/off indicator to prevent accidental dispensing of water.
- Built-in Electronic Smart Technology offering efficient power-saving options.
- Power-saving 7 day/24hr 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.
- Power-saving low light mode senses when the room's lights are off and puts the heater into sleep mode in order to conserve energy.
- Internal condensing system retains steam within the heater.
- Stainless steel boiling chamber with service access ports top and bottom.
- Cool-touch two-way push-tap. Press inwards to operate manually, or lift up for continuous flow up to 15 seconds.

**Heating element**

Long-life Incoloy sheathed embedded rod type.

**Temperature control**

Electronic.

**Case**

White or Stainless Steel Case option.

**Insulation**

High temperature insulation to minimise heat loss engineered for quick service access to boiling chamber.

**Safety features**

Thermal cut-out integral to heating element; thermal cut-out on vent tube.

**Installation**

**Location**

Should be installed over a draining board, or over a work top fitted with a drip tray - tap spout should be no higher than necessary to fill large pots.

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

Leave minimum clearance of 150mm above, 65mm left and 20mm 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 heater.

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 tun-dish 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**

To be connected to a 10amp GPO 220V - 240V AC power supply.

For concealed electrical connection, connect a fixed or flexible cable from the rear directly to the terminal block.

External power point and switch should be within 1.5m reach from the unit.

**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**

- 99017NZ - Tun-dish wall mounted
  - 99018NZ - Tun-dish sink mounted
  - 99043NZ - Portable drip tray
  - 99056NZ - Plumbed to waste drip tray
  - 28002NZ - 5 micron filter\*
  - 28005NZ - Sub micron filter\*
- \*Zenith filters comply with NSF/ANSI 42 and/or 53 industry standards.

| Product Details                  | Product Codes |          | Order Codes |        | Delivery cups* at a time | Recovery cups* p/hr | Energy Rating (kW @ 240V AC) | Dimensions |     |     |    |     |    |    |    |
|----------------------------------|---------------|----------|-------------|--------|--------------------------|---------------------|------------------------------|------------|-----|-----|----|-----|----|----|----|
|                                  | S/Steel       | White    | S/Steel     | White  |                          |                     |                              | A          | B   | C   | D  | E   | F  | G  | H  |
| Hydroboil <sup>®</sup> 3.0 litre | HBE6-103      | HBE6-003 | 303661      | 303662 | 18                       | 100                 | 1.5                          | 431        | 289 | 180 | 20 | 198 | 35 | 25 | 42 |
| Hydroboil <sup>®</sup> 5.0 litre | HBE6-105      | HBE6-005 | 305661      | 305662 | 30                       | 150                 | 2.4                          | 465        | 318 | 198 | 20 | 198 | 35 | 25 | 42 |
| Hydroboil <sup>®</sup> 7.5 litre | HBE6-107      | HBE6-007 | 307661      | 307662 | 45                       | 150                 | 2.4                          | 578        | 318 | 198 | 20 | 198 | 35 | 25 | 42 |

\*Standard cup size: 167ml

