



# New Zip Hydroboil Plus

## Energy Efficiency



### Energy Conservation

Hydroboil Plus has two programmable energy saving features

- **Integral 24 hour 7 day timer** enables the unit to switch off automatically during known periods of inactivity e.g. overnight or at weekends, returning to full functionality ahead of the next expected demand
- **Sleep Modes**
  - **Inactivity Sleep Mode.** Following a period of 2 or 4 hours non use Hydroboil Plus automatically enters sleep mode when the unit powers down allowing the water temperature to gradually reduce to 65°C, at which it is maintained. Upon further draw off boiling resumes and/or
  - **Low light Sleep Mode.** An integral light detector automatically activates sleep mode (as above) when the room lights are switched off, returning to normal operation when the next draw off occurs or the lighting is switched back on

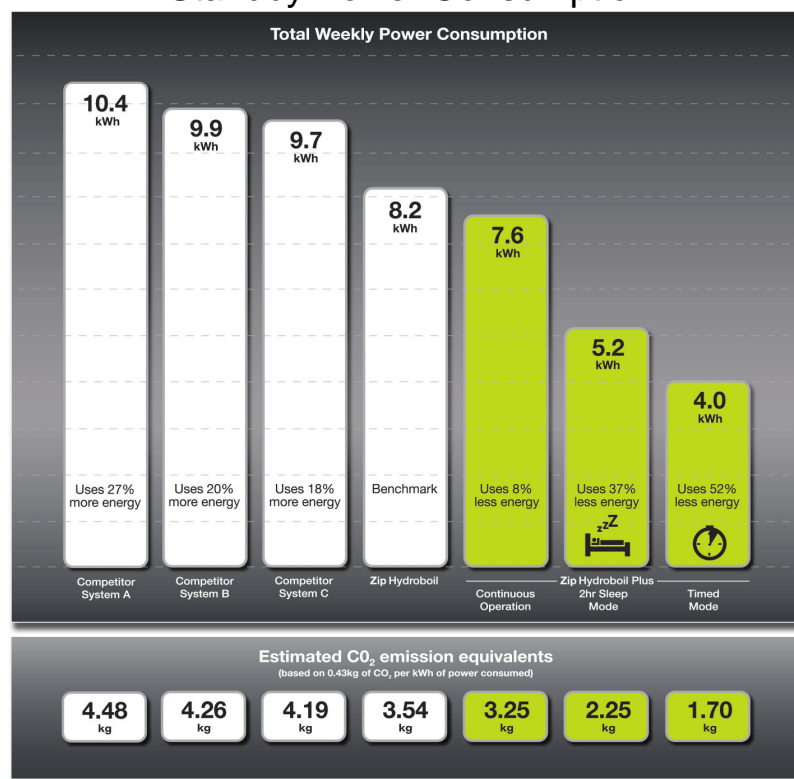
### Features

Zip Hydroboil Plus sets a new standard for on-wall boiling water efficiency

Steam—Heat—Boost technology, unique energy management systems and superior heat insulation mean that power consumption and running costs are kept to the absolute minimum.



### Standby Power Consumption



Comparison tests were performed by Aston University on Zip Hydroboil Plus, Zip Hydroboil and 5 litre capacity On Wall Boiling Water products from three leading UK brands.

Total standby power consumption was measured for all products over 7 days in continuous operation with no boiling water drawn off.

Hydroboil Plus was also tested using energy saving modes outside business hours:

1. 2 hour Sleep Mode was effective from 7pm to 9am Monday to Friday and all day Saturday and Sunday
2. Timed mode powered the unit off from 5pm to 9am Monday to Friday and all day Saturday and Sunday

The results charted alongside confirm the significant savings in power consumption and CO<sub>2</sub> emissions that can be achieved using Zip Hydroboil Plus and the additional benefits of using its energy saving modes

Further tests were performed to measure the total power consumption over the same 7 day business week including a typical draw off pattern of 20 litres (120 cups) per day, Monday to Friday between 9am and 5pm.

1.5 litre kettles in typical use delivering the same draw off pattern were also included as a benchmark.

As before power consumption was measured for all products over 7 days in continuous operation but including boiling water draw off.

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2. Timed mode powered off 5pm to 9am Monday to Friday and all day Saturday and Sunday

The tests confirm the savings in energy and CO<sub>2</sub> emissions that can be achieved using Zip Hydroboil Plus.

They also demonstrate the additional benefits that can be derived from using the energy saving features of Hydroboil Plus.

### Total Power Consumption With Draw Off

