Aquatap
Boiling, chilled and ambient drinking water
Aquatap

Consider the economic and environmental costs of a hot drinks vending machine. Expensive consumables, constant refilling, usually done by someone driving to the premises. This is also true for many chilled water systems that rely on the delivery of bottled water and the expense of waste removal.

Aquatap saves time and money from day one. At the touch of a button it dispenses instant boiling or chilled water. According to tests at which.co.uk, the average time it takes to boil a litre of water in a kettle is 2 mins 34 secs. With Aquatap there’s no waiting around.

Reliability and performance are built in. Aquatap utilises our proven Supreme technology and patented IntelliBoil™ Plus system. Add to that a range of advanced safety features and easy installation, Aquatap is the clear choice for high usage staff kitchens or conference facilities where convenience, efficiency and space are prime concerns.

Three Aquatap choices:

- Boiling water
- Boiling and Chilled water
- Boiling and Ambient water
Features and benefits

• Modern appliance design
• Undercounter design maximises counter top space
• Intelliboil™Plus technology for the efficient management of the boiling cycle
• Boiling water safety switch
• Over-boil protection system
• Easy installation
• Integral electronic water conditioner to reduce scale
• Engineering grade thermoplastic water container
• Modular construction ensures easy maintenance
• LED indicators for boiling water status
• Choice of filter or non-filter
• Chrome finish Aquatap dispenser
• Up to 30 cups of boiling water immediate draw-off
• Up to 80 cups of chilled water immediate draw-off
• Two year on-site parts and labour guarantee

Like all Heatrae Sadia products, the Aquatap is designed for easy installation. Both the heater and chiller units are floor standing and with no brackets required, it’s a simple “plug and play” tap connection.

Maintenance costs are kept to a minimum through smart design and common sense. An integral scale inhibitor reduces the rate of scale deposition in hard water areas, and the option to choose a filter system means that in areas where water is considered of good standard, no filter is required.

For the chilled water option, Aquatap uses our tried and tested SuperChill technology. Unlike many other mixed boiling and chilled water appliances the chilled water unit can be serviced separately. In the unlikely event that a fault develops it won’t affect the supply of boiling water.

Intelliboil™Plus is our patented hot water management system that controls the boiling cycle for improved efficiency. It regularly brings the water to boil in response to usage, but if no water is drawn off for over an hour it reduces the maximum stored water temperature from 100°C to 98°C. This saves electricity until the Aquatap is used again – perhaps the next day or after a weekend – at which time the normal boiling cycle automatically resumes.
Installation

Typical installation schematics are shown for the range of Boiling / Ambient / Chilled water models.
** Specification and installation **

** Water heater **

** Specification **

** Capacity **
5 litre – 30 cups (167ml) or 20 mugs (250ml) at one time.

** Rating **
2.5kW @ 240V (2.3kW @ 230V) to recover 135 cups (167ml) per hour.

** Outer Casing **
White high impact thermoplastic.

** Thermal insulation **
CFC/HCFC free (ODP zero) pre-moulded polystyrene and thermoplastic blend.

** Water Container **
Moulded Polyphenylene Sulphide. Removable steam condensation chamber for maintenance access.

** Heat Unit **
Low watt density Superloy element for long life.

** Thermostat **
Electronic to control water temperature up to boiling point. Electromagnetic wave generator to reduce limescale formation.

** Safety features **

** Installation **

** Fixing **
Must be installed vertically mounted on a level surface ensuring any supporting surface can carry the full weight.

** Plumbing **
Cold water feed should be taken directly from the mains – minimum pressure 0.5 bar (7psi), maximum pressure 10 bar (145psi).

Top entry 1/2” BSP inlet and outlet connections. Top entry 3/4” BSP dispenser tap vent connection.

** Electrical **
The water heater is supplied with a 1.5 metre electrical supply cable which must be connected to the electrical supply via a double pole isolating switch with a contact separation of at least 3mm in both poles. The electrical supply should be from a 13 amp fused spur. The water heater must be connected to the dispenser by the black sheathed control cable.

When using the dual dispenser a solenoid relay control box is supplied. The electrical supply should be from a 13 amp fused spur.

For significant periods of use further running costs can be reduced by incorporating a time switch – available as an accessory (product code 95:970:124) which can be set to switch on the unit for a suitable period of time to allow for re-heat.

** Water chiller **

** Specification **

** Rating **
180W @ 230/240V.

** Compressor power **
1/12 HP.

** Chilled water output **
30 litres/hour (6.6 gallons/hour) at nominal 10ºC.

** Rated pressure **
3 bar.

** Minimum inlet pressure **
1 bar.

** Outer casing **
Brushed stainless steel effect plastic-coated, corrosion-proofed steel.

** Water chilling system **
Hermetic ice bank direct cooling system.

** Thermostat **
Adjustable from 3ºC to 10ºC.

** Refrigerant **
140 grammes of CRC-free R134A.

** Installation **

** Mounting **
On a level horizontal surface. Minimum 60mm space should be allowed around the unit for adequate ventilation by way of louvre grilles being fitted to the cabinet.

** Plumbing **
Cold water feed must be taken from a potable mains supply with a minimum inlet pressure of 1 bar. The pressure reducer (supplied) must be incorporated in the cold water supply to the unit.

** Connections **
Inlet connection 8mm female push fit. An 8mm x 1/4” male adaptor is supplied for connection to fixed piping. Outlet connection to outlet tap 6mm female push fit. 6mm outside diameter flexible pipe and insulation supplied.

** Electrical **
Unit is supplied with a 2 metre flexible cable with moulded 3-pin plug. The electrical supply must be earthed and be fused 3 amp. Connection to the electrical supply must be via a double pole-isolating switch with a contact separation of at least 3mm in both poles. Installation must be in accordance with the latest IEE Wiring Regulations.

When using the dual dispenser a solenoid relay control box is supplied. The electrical supply should be from a 13 amp fused spur.

For significant periods of use further running costs can be reduced by incorporating a time switch – available as an accessory (product code 95:970:124) which can be set to switch on the unit for a suitable period of time to allow for re-chilling.
Water dispenser

Specification

Finish
Die cast, chrome-plated body and buttons.

Safety features
Integral dual action safety feature to prevent accidental boiling water delivery. Boiling water delivery indicator LED.

Installation
The dispensing tap is suitable for mounting onto a worktop or counter surface and must be positioned so that it discharges into a sink or the purpose-designed drip tray – available as an accessory (product code 95:970:138).

An optional dispenser extension (product code 95:970:139) is available to raise the height of the dispenser outlet to 235mm from the dispenser base, making taller vessels easier to fill.

Guarantee

This Aquatap water heater, chiller and dispensing tap assembly is guaranteed for a period of two years from the date of purchase provided:

• The Aquatap water heater, chiller and dispensing tap assembly have been installed in accordance with the supplied instructions and all necessary water, vent and electrical connections have been fitted correctly.
• Any valves or controls are of Heatrae Sadia recommended type.
• The unit has not been tampered with and has been regularly maintained as detailed in the maintenance instructions.
• Only a recommended Aquatap dispensing tap assembly has been used to deliver the water.
• The unit has been used only for heating and chilling wholesome (potable) water.
• The unit has been installed in the UK.
• Within 60 days of installation the user completes and returns the guarantee registration card supplied.

The unit and dispensing tap assembly are not guaranteed against damage by frost or due to the build up of scale. Please note that if heateam (Heatrae Sadia’s service division) personnel or agents are requested to descale a unit, this work will be chargeable.

This guarantee does not affect the statutory rights of the consumer.
Performance and accessories

**Performance**

<table>
<thead>
<tr>
<th>Model</th>
<th>Boiling water Cups (167ml)</th>
<th>Boiling water Mugs (250ml)</th>
<th>Boiling volume at one time</th>
<th>Chilled water output</th>
<th>Chilled water output</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>recovery per hour at once</td>
<td>recovery per hour at once</td>
<td>(litres)</td>
<td>(litres/hour)</td>
<td>(200ml glass/hour)</td>
</tr>
<tr>
<td>Boiling water</td>
<td>135</td>
<td>90</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling and chilled water</td>
<td>135</td>
<td>90</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling and ambient water</td>
<td>135</td>
<td>90</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cup holder**

A cup holder is the neat and tidy solution for cup storage adjacent to your Aquatap. Accepts plastic or paper cups with a rim diameter of 70-85mm.

**Water filter**

The water filter system reduces impurities, odour and unpleasant taste. The filter head incorporates an integral shut off valve, to facilitate quick and simple replacement of the filter cartridge which should be replaced after one year or 11,000 litres, whichever is earliest.

**7 day digital programmer**

Allows Aquatap to be automatically switched on and off, on a daily basis. This ensures greater economy when premises are unoccupied for extended periods. This optional accessory allows up to 42 switching operations per week and is integrated into a fused spur unit. For use with Aquatap boiling only and Aquatap boiling and chilled.

- Simple two button programming.
- Self-cancelling override.
- Integral double pole switch and BS 1362 fuse.
- 1000 hour rechargeable memory backup.
- Voltage free contacts.
- Fits onto a 25mm deep, single gang wall box.
- 85 x 85 x 38mm.

**Accessories ordering guide**

<table>
<thead>
<tr>
<th>Model</th>
<th>Product code</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 day digital timer</td>
<td>95-970:124</td>
</tr>
<tr>
<td>Cup holder</td>
<td>95-970:127</td>
</tr>
<tr>
<td>Water filter system</td>
<td>95-970:129</td>
</tr>
<tr>
<td>Water filter cartridge</td>
<td>95-970:130</td>
</tr>
<tr>
<td>Drip tray</td>
<td>95-970:138</td>
</tr>
<tr>
<td>Dispenser extension piece</td>
<td>95-970:139</td>
</tr>
</tbody>
</table>
**Boiling water dispenser**

**Boiling and chilled / ambient dispenser**

**Water heater**

**Water chiller**

**Ordering guide**

<table>
<thead>
<tr>
<th>Model</th>
<th>Rating</th>
<th>Product code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling water – Includes single output dispenser and water heater.</td>
<td>240V</td>
<td>95:200:261</td>
</tr>
<tr>
<td>Boiling and chilled water – Includes dual output dispenser, water heater and water chiller.</td>
<td>240V</td>
<td>95:200:262</td>
</tr>
<tr>
<td>Boiling and ambient water – Includes dual output dispenser and water heater.</td>
<td>240V</td>
<td>95:200:263</td>
</tr>
</tbody>
</table>
heateam is Heatrae Sadia’s very own service division. With us on your side, you can be sure that your customers are in the very best hands. Totally committed to quality and safety, heateam is open 7 days a week, for 365 days a year, and offers:

- **Dedicated Trade Advice Line** – our helpful and qualified specialists are always on hand to help you with even the most complex technical query.

- **Installer Priority Call-Outs** – our 280 strong team of specifically trained expert heating engineers covers the UK, no one is better qualified to look after Heatrae Sadia’s products for the duration of the guarantee.

- **Fully Stocked Vans** – a nationwide fleet of vans, fully stocked with spare parts – meaning we can repair our appliances on the first visit in 95% of call-outs.

- **Exclusive Service Plans** – heateam also offer Heatrae Sadia’s customers a range of exclusive annual service plans.

Opening Times: Monday-Friday 8am-6pm, weekends and Bank Holidays* 8.30am-2pm.

*excluding Christmas Day and New Year’s Day.

Simply call 0844 871 1535 or visit our website at www.heateam.co.uk

Brochures for all of our products are available free of charge. Please call our literature hotline on 01603 420127.

**MEGAFLO ECO**

Megaflow eco cylinder range

**DOMESTIC HEATING AND HOT WATER**

- Aerheat
- Amptec
- Electric Solar
- Electromax
- Electromax Solar
- Immersion Heaters
- Megalife HE
- Megalife Solar
- Multipoint Instantaneous

**COMMERCIAL HOT WATER**

- B3M / C3M
- Express
- FBM
- Handy
- Handy Dri / Hair Drier
- Hotflo
- Multipoint
- Multipoint SS
- Streamline
- UTC 99

**DRINKING WATER**

- Aquatap
- SuperChill
- Supreme

Contact

**Specification Advice Hotline**
T: 01603 420220  F: 01603 420229  E: specifier@heatraesadia.com

**After Sales Service**
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Web www.heatraesadia.com

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