Aquarius
Oversink & Undersink Vented Water Heaters
Aquarius Vented Water Heaters

Sink and basin supply 10 litres and under

As small vented water heaters are typically installed directly over or under the sink, this range of products is commonly referred to as "Point of Use". The majority of units are installed directly over or adjacent to the point of application for light commercial duty such as washing cups and dishes. They can be supplied either directly from the mains or from an elevated cistern or feed tank (a minimum head pressure of 4 metres is required).

Aquarius Vented Oversink

An oversink unit is supplied with an inlet valve that, when opened, allows the mains cold water supply to enter the heater and displace the hot water stored in the cylinder. As the valve controls the displacement, the outlet is open to atmosphere so that when the unit heats up, the expanded water is allowed to drip from the spout into the basin. No other outlet should be used in conjunction with this type of product.

Aquarius oversink products are available in 7 and 10 litre capacities with options for 3 and 1.2kW element ratings. Typically, they are supplied from the water mains although supply from a cistern can be used as long as there is a minimum head pressure of 4 metres.

The 3kW element provides a fast recovery from cold whereas the 1.2kW version means that Aquarius can be fitted in situations where the power supply may be limited, such as portable or temporary buildings.

Aquarius Vented Undersink

These can also be fed from the mains but only if one of the self venting taps (see opposite) is used. As with the oversink model, the special tap acts as an inlet valve so that when the tap is turned on, the cold supply is allowed to flow through the water heater, displacing the hot water into the basin. The outlet part of the tap is always open to atmosphere allowing the expanded water to drip from the tap into the basin during the heat up cycle.

Undersink models can also be connected to a cold water cistern or feed tank as long as the vented tap is used or a vent pipe is plumbed from the hot pipework to discharge the expansion back into the cistern. In such cases, the base of the cistern must be no higher than 10 metres above the top of the water heater and a vent pipe must be used.

Undersink vented water heaters are only able to supply one basin when used with vented taps. Aquarius undersink products are available in 7 and 10 litre capacities with options for 3 and 1.2kW element ratings.

The 3kW element provides a fast recovery from cold whereas the 1.2kW version means that Aquarius can be fitted in situations where the power supply may be limited, such as portable or temporary buildings.
Vented Taps

The Santon range of taps has been chosen to complement the Aquarius range of water heaters. It consists of vented hot taps and matching cold taps for use with vented undersink water heaters, as well as standard taps which can be used with any other Santon storage unit.

The taps are robust and made in traditional cast brass with a chrome finish.

### Vented Basin Hot Tap
Ref. TXH01:
Order Code 94 970 014

![Vented Basin Hot Tap](image1)

This tap is constructed to control the flow of incoming mains water supply to an open outlet type electric water heater. This displaces the heated water in an unrestricted flow through the tap’s permanently open outlet. This vented hot tap is for full bore plumbing.

Above the basin it is identical to the universal taps, so a matching cold tap is available if required.

### Vented Pillar Hot Tap
Ref. TXH02:
Order Code 94 970 015

![Vented Pillar Hot Tap](image2)

This is a pillar (or high neck) tap version of model TXH01.

### Universal Basin Tap
Ref. TXU01:
Order Code 94 970 017

![Universal Basin Tap](image3)

These taps are packed individually with both a red and blue bezel and are normally used in cold tap form to match the TXH01.

Ref. TXU02:
Order Code 94 970 018

This is a pillar (or high neck) tap version of model TXU01 to match TXH02.

### Vented Mixer Tap
Ref. TXM01:
Order Code 94 970 016

![Vented Mixer Tap](image4)

This is similar in operation to the vented hot tap but has the additional advantages of mixing the heated and cold water at the outlet and is ideally suited to kitchen use.
Aquarius
Technical Specification

Aquarius Vented Oversink

Element
Copper sheathed element, incorporated into an easily removable heater plate, should replacement be necessary.

Inner container
Pressure tested to 1.38 bar (20 psi). A minimum head pressure of 4 metres is required.

Outer casing
The main body is substantial gauge sheet steel, anti-corrosion treated, and finished in white stoved enamel. End covers are moulded in grey ABS. The back has three fixing points for wall mounting.

Insulation
CFC/HCFC-free (ODP zero) polyurethane foam.

Thermostat
Capillary type, adjustable from 10°C to 70°C.

Safety cut-out
Models are available with a thermal fuse cut-out fitted in series with the adjustable thermostat.

Swivel Outlet
Stainless steel tube 300mm, with 15mm ‘push-fit’ connection. No other pipework or spout or tap should be connected to the outlet.

Connections
15mm tails.

Electrical
The installation must comply with BS 7671 ‘Requirements for electrical installations’ (IEE Wiring Regulations). It must be fully earthed and permanently connected to the electrical supply through a double pole linked isolating switch with minimum breaking capacity suitable for the loading.

Approvals

Warranty
2 years product warranty, from date of purchase, with on-site service support. Full details are contained in the Installation Instructions supplied with each unit.

Dimensions
Model | A (mm) | B (mm) | C (mm) | Weight (kg)
-----|--------|--------|--------|----------
A7/3 | 356    | 240    | 240    | 4.9      | 11.9
A7/1 | 356    | 240    | 240    | 5.9      | 15.9
A10/3| 442    | 240    | 240    | 5.9      | 15.9

Aquarius Vented Undersink

Element
Copper sheathed element, incorporated into an easily removable heater plate, should replacement be necessary.

Inner container
Pressure tested to 1.38 bar (20 psi). A minimum head pressure of 4 metres is required.

Outer casing
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Specifications

<table>
<thead>
<tr>
<th>Model</th>
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<th>Litres</th>
<th>ErP rating</th>
<th>Rating</th>
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<tbody>
<tr>
<td>A7/3</td>
<td>94 010 001</td>
<td>7</td>
<td>B</td>
<td>3.0kW @240V (2.75kW @ 230V) single phase AC</td>
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<td>A7/1</td>
<td>94 010 002</td>
<td>7</td>
<td>B</td>
<td>1.2kW @240V (1.17kW @ 230V) single phase AC</td>
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<tr>
<td>A10/3</td>
<td>94 010 003</td>
<td>10</td>
<td>B</td>
<td>3.0kW @240V (2.75kW @ 230V) single phase AC</td>
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<td>AU7/3</td>
<td>94 010 008</td>
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<td>94 010 009</td>
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<tr>
<td>AU10/3</td>
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</tbody>
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Please recycle this product once you have finished with it.

The pace of product development is such that we reserve the right to change product specifications without notice. We do, however, strive to ensure that all information in this catalogue is accurate at the time of going to publication.

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PN 94 900 901 DEPT_333019

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