

Small is beautiful and useful anywhere...



Electric "Point of Use" Water Heaters

"Open-Outlet" – for single outlet

"Unvented" – for one or more outlets

STIEBEL ELTRON

Comfort through Technology

Small is beautiful - "Point of Use" Water Heating



"Point of Use" water heating means putting the water heater exactly where the water is required - at the sink, at the wash basin, next to the shower or close to the bath. This means that pipe runs are kept to a minimum reducing the inherent heat losses. The water temperatures can be set individually at each outlet to ensure that the water is heated in the most economical way. Not only is this a simpler system, and more practical, it is also good for the environment as it saves on energy and water consumption. Another advantage of decentralized water heating is that the appliances are easier to install or replace: this can be very important if you are refurbishing older properties. Wherever hot water is required quickly in relatively small quantities, for example at a kitchen sink or wash basin, our space and energy saving "Point of Use" heaters are just the right choice.

The water is kept at a constant, pre-set temperature, by the extremely high levels of CFC-free foam insulation. When the water is drawn off it is very quickly reheated.

The range includes units with 5 or 10 litre capacities for mounting under the sink and 5, 10 or 15 litre over-sink appliances for both single or multipoint applications.

The right choice

STIEBEL ELTRON's "Point of Use" water heaters are always the right choice. They are easy to position, excellently designed and extremely economical. The SNU 5 S, for example, only requires a quarter of a kilowatt-hour of energy to keep the water in the tank at 65°C for 24 hours - due to its first class CFC-free insulation.

Even where higher quantities of hot water are required more frequently, STIEBEL ELTRON's "Point of Use" water heaters are the right choice. An appliance of 10 litres which gives almost 20 litres of mixed water at a pleasant 40°C is ideal to supply a sink.

All inclusive packs - for your convenience

For convenience our SN.S and SNU.S water heaters come complete with suitable open-outlet fittings. The SN.S is supplied with a UK pack, which comprises of an inlet valve and attractive swivel outlet spout, whilst the SNU.S is supplied with a BP pack which consists of our WST monobloc tap, and an inlet control stopcock. If these packs are not required, then suitable alternative open-outlet fittings must be used in conjunction with the heater unit.

"Point of Use" water heaters - fully recyclable

STIEBEL ELTRON "Point of Use" water heaters are trendsetters in every respect - in design, convenience and, last but not least, with the construction materials used - they are all 100% recyclable - as are all water heaters from STIEBEL ELTRON. All man-made parts are marked, assembled for easy separation, and can therefore be reclaimed and recycled later.

At A Glance

- Hot water directly where it is needed
- Very low heat losses through energy saving CFC-free insulation
- Variable temperature settings from 35° to 85°C
- Energy saving setting at 60°C, ensuring low scale formation
- Temperature can be limited to 45°C, 55°C or 65°C
- Recyclable, all man-made components are marked and can be easily separated
- Under- or over-sink siting

Hot water for single-point applications

The demands of hot water at a single outlet can be achieved very cost-effectively by an open-outlet water heater. The range of appliances include 5 or 10 litre (SNU) under-sink heaters and 5, 10 and 15 litre (SN) over-sink heaters. All are energy-saving and cost-effective when considering capital and installation costs.

Multipoint applications require pressure

If you want to supply more than one outlet from one "Point of Use" water heater you require an unvented (pressurized) unit. Again you can choose from the 5 and 10 litre (SHU) under-sink unit or the 10 and 15 litre (SH) over-sink appliances. To ensure the safe operation of unvented (pressurized) water heaters, they must be combined with a STIEBEL ELTRON safety group, and pressure-type fittings.



Technical Data

Open Outlet - "Point of Use" water heaters (5 to 15 litres) for one outlet



| Type | SNU 5 S BP ⁴⁾ | SNU 10 S BP ⁴⁾ | SN 5 S UK ⁵⁾ | SN 10 S UK ⁵⁾ | SN 15 S UK ⁵⁾ |
|--|-----------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| Product code | 072340 | 072342A | 072341A | 072343A | 071753A |
| Colour | white | | | | |
| Nominal capacity | 5 | 10 | 5 | 10 | 15 |
| Type of system | open-outlet (non-pressurized) | | | | |
| To supply | | | | | |
| One outlet | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Siting | | | | | |
| Oversink | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Undersink | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dimensions | | | | | |
| Height ¹⁾ | cm 42,2 | 50,3 | 42,2 | 50,3 | 60,0 |
| Width | cm 26,3 | 29,5 | 26,3 | 29,5 | 31,6 |
| Depth | cm 23,0 | 27,5 | 23,0 | 27,5 | 29,5 |
| Weight filled with water | kg 8,2 | 15,0 | 8,2 | 15,0 | 21,8 |
| Operating features | | | | | |
| Operating mode | | | | | |
| Single-circuit water heater | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Volume of mixed water at 40 °C ²⁾ | l 10 | 19 | 10 | 19 | 28 |
| Standing heat losses at 65 °C/24 h | Kwh 0,24 | 0,32 | 0,24 | 0,31 | 0,37 |
| Features | | | | | |
| Internal container polypropylene | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Temperature selectable up to | °C 85 | 85 | 85 | 85 | 85 |
| Temperature lockable at | °C 45/55/65 | 45/55/65 | 45/55/65 | 45/55/65 | 45/55/65 |
| Energy-saving setting at about 60 °C | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Electrical connection ³⁾ | 2 Kw | 2 Kw | 2 Kw | 2 Kw | 3,3 Kw |
| Single-circuit water heater | 1/N/PE ~-230 V | 1/N/PE ~-230 V | 1/N/PE ~-230 V | 1/N/PE ~-230 V | 1/N/PE ~-230 V |
| Available from STIEBEL ELTRON | | | | | |
| Outlet fittings | open-outlet (vented) tap fittings | | | | |

Water Heaters can be supplied without the UK and BP open-outlet fitting packs detailed above, however, units must be installed with alternative suitable open-outlet fittings.

Please ask for details!

Notes

- Suitable for/comes complete with
- 1) With water connection (without fittings)
- 2) The volume of mixed water at a usable temperature of 40 °C is obtained by adding 15 °C cold water to the heater water at 65 °C
- 3) Regulations differ from one supply area to another; may only be connected by qualified person in accordance with I.E.E. regulations
- 4) BP packs include WST vented tap and stop cock
- 5) UK pack includes inlet valve and outlet spout
- 6) All heaters are suitable for connection to 15 mm pipework

Technical Data

Unvented "Point of Use" water heaters (5 to 15 litres) with full unvented kit for one or more outlets



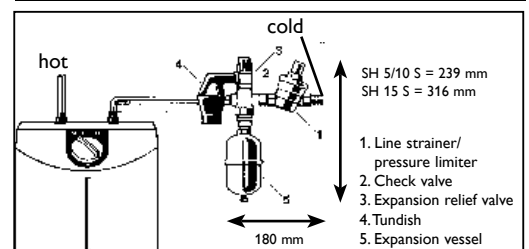
| Type | SHU 5 S | SHU 10 S | SH 10 S | SH 15 S |
|--|------------------------|------------------------|------------------------|--------------------------|
| Product code | 072302A | 072411A | 071755A | 072410A |
| Colour | white | | | |
| Nominal capacity | 5 | 10 | 10 | 15 |
| Type of system | Unvented (pressurized) | | | |
| Minimum operating pressure | bar 0,25 | 0,25 | 0,25 | 0,25 |
| To supply | | | | |
| One or more outlets | • | • | • | • |
| Design | | | | |
| Oversink | – | – | • | • |
| Undersink | • | • | – | – |
| Dimensions | | | | |
| Height ¹⁾ | cm 42,2 | 50,3 | 50,3 | 60,0 |
| Width | cm 26,3 | 29,5 | 29,5 | 31,6 |
| Depth | cm 23,0 | 27,5 | 27,5 | 29,5 |
| Weight filled with water | kg 10,2 | 18,0 | 18,0 | 26,1 |
| Operating features | | | | |
| Operating mode | | | | |
| Single-circuit water heater | • | • | • | • |
| Volume of mixed water at 40 °C ²⁾ | l 10 | 19 | 19 | 28 |
| Standing heat losses at 65 °C/24 h | Kwh 0,31 | 0,36 | 0,35 | 0,41 |
| Features | | | | |
| Internal container copper | • | • | • | • |
| Temperature selectable up to | °C 85 | 85 | 85 | 85 |
| Temperature lockable at | °C 45/55/65 | 45/55/65 | 45/55/65 | 45/55/65 |
| Energy-saving setting at about 60 °C | • | • | • | • |
| Electrical connection ³⁾ | | | | |
| Single-circuit water heater | 2 Kw 1/N/PE ~-230 V | 2 Kw 1/N/PE ~-230 V | 2 Kw 1/N/PE ~-230 V | 3,3 Kw 1/N/PE ~-230 V |
| Heater supplied complete with safety group ⁴⁾ | SG1 | SG1 | SG1 | SG2 |

Local installation circumstances regarding water pressures, cold water draw-off points and back-flow prevention, etc. can vary from site to site. The SG 1 safety group, when installed in accordance with our installation instructions, will ensure that the water heater is fully compliant with water regulations (Bye-Laws) irrespective of local conditions.

Notes

- Suitable for/comes complete with
- ¹⁾ With water connection (without fittings)
- ²⁾ The volume of mixed water at 40 °C is obtained by adding 15°C cold water to the heater water at 65 °C
- ³⁾ Regulations differ from one supply area to another; may only be connected by qualified person in accordance with I.E.E. Regulations
- ⁴⁾ Safety groups consist of line strainer, pressure limiter, check valve, expansion relief valve, expansion vessel and tundish
- ⁵⁾ All heaters are suitable for connection to 15 mm pipework

SHU.S shown with SG 1 safety group



Technical Data

Unvented "Point of Use" water heaters (5 to 15 litres) with expansion relief valve for one or more outlets



| Type | SHU X 5 S | SHU X 10 S | SH X 10 S | SH X 15 S |
|---|-----------------------------|------------------------|------------------------|--------------------------|
| Product code | 072302AX | 072411AX | 071755AX | 072410AX |
| Colour | white | | | |
| Nominal capacity | 5 | 10 | 10 | 15 |
| Type of system | Unvented (pressurized) | | | |
| Operating pressure | max. bar | 7 | 7 | 7 |
| | min. bar | 0,25 | 0,25 | 0,25 |
| To supply one or more outlets | • | • | • | • |
| Design | | | | |
| Oversink | – | – | • | • |
| Undersink | • | • | – | – |
| Dimensions | | | | |
| Height 1) | cm 42,2 | 50,3 | 50,3 | 60,0 |
| Width | cm 26,3 | 29,5 | 29,5 | 31,6 |
| Depth | cm 23,0 | 27,5 | 27,5 | 29,5 |
| Weight filled with water | kg 10,2 | 18,0 | 18,0 | 26,1 |
| Operating features | | | | |
| Operating mode | Single-circuit water heater | | | |
| | • | • | • | • |
| Volume of mixed water at 40 °C 2) | l 10 | 19 | 19 | 28 |
| Standing heat losses at 65 °C/24 h | Kwh 0,31 | 0,36 | 0,35 | 0,41 |
| Features | | | | |
| Internal container copper | • | • | • | • |
| Temperature selectable up to | °C 85 | 85 | 85 | 85 |
| Temperature lockable at | °C 45/55/65 | 45/55/65 | 45/55/65 | 45/55/65 |
| Energy-saving setting at about 60 °C | • | • | • | • |
| Electrical connection 3) | | | | |
| Single-circuit water heater | 2 Kw 1/N/PE ~-230 V | 2 Kw 1/N/PE ~-230 V | 2 Kw 1/N/PE ~-230 V | 3,3 Kw 1/N/PE ~-230 V |
| Complete with expansion relief valve 4) | XSV 38 | XSV 38 | XSV 12 | XSV 12 |

Important Information

This water heater can be connected directly to a mains cold water supply or to a supply from a cistern tank, provided that:

- There is no reverse flow restriction, eg. check valve, in the cold water feed pipe that will prevent expansion water flowing back into this pipe.
- The cold water supply pressure does not exceed 5 bar.
- The hot water that has expanded back down the cold feed pipe cannot enter a supply pipe to which a cold water draw off is connected.

The distance over which the hot water will expand back down the cold feed pipe if 15 mm pipework is used, is 2.0 metres for the SHU X 5 S and 2.8 metres for the SHU X 10 S & SH X 10 S and 4.2 metres for the SH X 15 S. If any of the above apply, Stiebel Eltron safety group SG 1 must be installed. If in doubt you should contact the Local Water Supply company for advice.

Notes

- Suitable for/comes complete with
- 1) With water connection (without fittings)
- 2) The volume of mixed water at 40 °C is obtained by adding 15 °C cold water to the heater water at 65 °C
- 3) Regulations differ from one supply area to another; may only be connected by qualified person in accordance with I.E.E. Regulations
- 4) All heaters are suitable for connection to 15 mm pipework