

**BWH-5**

WATER HEATER STAINLESS STEEL

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, if they are supervised or have been given instruction how to use the appliance in a safe way, and understand the hazards involved.

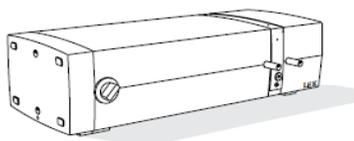
Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

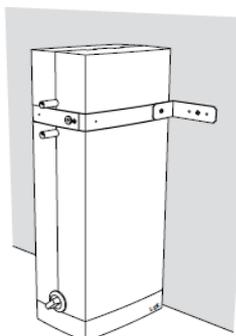
Installation

The water heater is designed for use where there is instant needs of small amounts of hot water, e.g in the kitchen, where it can be installed under the kitchen bench or in a cupboard.

BHW-5 can be mounted horizontally or vertically. It is very important that the water heater is mounted correctly (see picture below). For vertical installation, the supplied metal clip should be used to fix the product. The clip is secured in one of the holes in the metal strip on BHW-5 with the supplied screw (ST4 2×10). Select the most suitable for your installation.

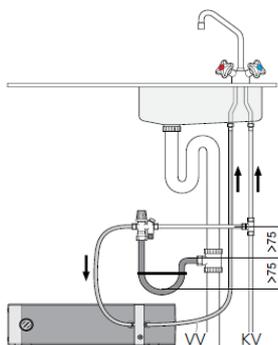
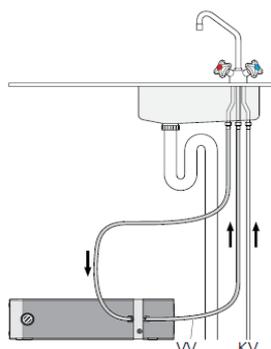


Horizontal installation.
The feet should be placed downwards.



Vertical installation.
Fix BHW-5 with the metal clip.

BHW-5 can be installed:
a) in a pressurized system or
b) in a non-pressurized system

a) Pressurized system**b) Non-pressurized system****Pipe installation (pressurized system)**

In the cold water pipe a safety valve (23), a check valve (21) and a shut-off valve (22) should be installed in the order shown on the next page. From the safety valve an overflow pipe should be connected to a suitable drain. The dimension of the overflow pipe should be the same as the dimension of the safety valve, and it should be installed downwards to prevent water pockets and it must be a frost-free type. The opening of the pipe must be located so it is both visible and on a safe distance from electrical components.

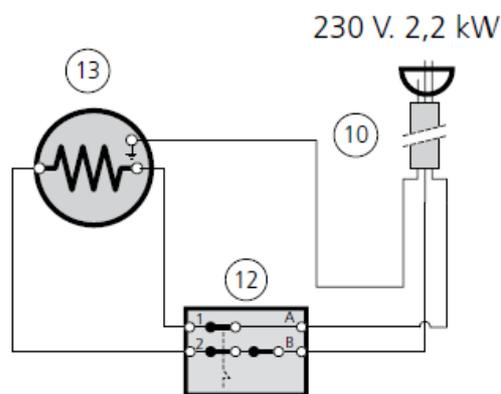
To drain the water heater, a separate drain valve (44) is required on the inlet cold water pipe.

If the water heater is installed without a mixing valve, the thermostat must be set to a temperature not exceeding 60°C.

Electrical installation

The supply cord has a plug suitable for a grounded single phase wall socket. The wall socket must be positioned for easy access. If the supply cord is damaged it should be replaced under the supervision of a qualified electrician. Only use spare parts recommended by the manufacturer.

When connected to the wall socket, the lowest point of the supply cord should be below the socket, to prevent water to enter the socket in case of failure.



- 10. Connection wire
- 12. Thermostat/overheat protector
- 13. Immersion heater 2,2 kW

Filling up

Before the water heater is switched on, it must be filled with water. The filling up is done as follow:

1. Open the shut-off valve (22).
2. Let the air out of the water heater by opening a hot water tap. When water alone is coming out of the tap the air is gone and the tap can be closed.

The water heater is now filled with water and the power can be switched on.

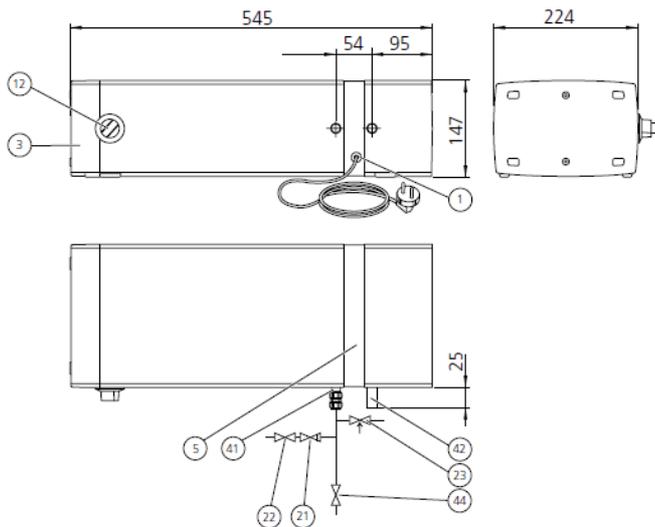
Draining

Draining the water heater is done as follow:

1. Unplug the power.
2. Turn off the incoming cold water by closing the shut-off valve (22).
3. Attach a hose to the drain valve (44). **NOTE!** The hose must discharge below the water heater.
4. Add air to the heater by opening a hot water tap. If that is not enough, loosen the connection (42).

For installation in spaces where there is a risk of frost, the heater must be drained while it is not in use. Freezing may cause explosion.

Measurements



1. Cable entry
3. Connection box, containing combined thermostat/overheat protector and an permanently installed immersion heater.
5. Type marking
- 21.* Check valve
- 22.* Shut-off valve
- 23.* Safety valve
41. Cold water connection \varnothing 12 mm.
42. Hot water connection \varnothing 12 mm.
- 44.* Drain valve.

* Not included in delivery.

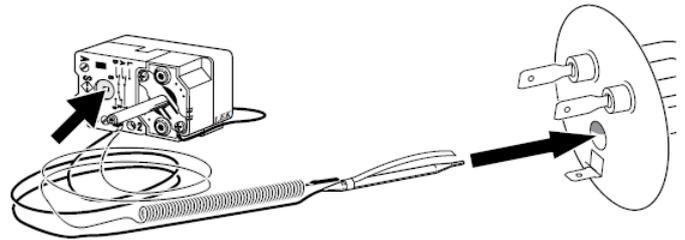
Picture only shows a general pipe installation.

Inspection and maintenance

The safety valve must be checked regularly to prevent clogging (about 4 times a year). The inspection is made by turning the wheel of the safety valve counterclockwise. Water will then flow through the overflow pipe. If this should fail, the safety valve is defect and must be replaced.

The safety valve sometimes releases small amounts of water after hot water draining. This is caused by cold water expanding after entering the heater. This increases the pressure and as a result the valve opens.

If the water should not get warm, make sure the fuses in the fuse box are intact. If no fuse is broken, the cause may be that the overheat protector has tripped because of some failure in the water heater. When the failure has been repaired, push the reset button on the over heat protector, see picture below.



The bulb/sensor must be placed in the order shown in the picture above and should be fully inserted in the tube. The length of the tube is 315 mm. Verify that the metal clip is fixed on to the bulb.

NOTE!

All interference in the connection box must be performed under the supervision of a qualified electrician. Electrical installation and wiring must be in accordance with current regulations.

Service

In need of service, contact an electrician or a plumber.

Technical information



Volume	5,5 liter
Max cut-off pressure	1,0 MPa/10 bar
Voltage	230 V~
Ingress Protection	IP 21
Effect	2,2 kW
Required fuse	10 A
Heating time til 45 °C	7 min
Heating time til 80 °C	13 min
Net weight	5 kg
Corrosion protection	Stainless