

QH Dual boiler



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Safety warnings

Symbool	Betekenis
	Waarschuwing! Dit symbool duidt op een gevaar met een gemiddeld risiconiveau dat, als het niet wordt vermeden, kan het leiden tot ernstige verwondingen of overlijden.
	Waarschuwing voor elektrische spanning! Dit symbool duidt op een gevaar met een gemiddeld risiconiveau dat, als het niet wordt vermeden, kan het leiden tot ernstige verwondingen of overlijden, door gevolg van elektrische spanning.
	Verboden om voorwerpen op te leggen! Dit symbool op het apparaat geeft aan dat het verboden is om voorwerpen (zoals handdoeken, kleding enz.) boven of direct voor het apparaat op te hangen, leggen etc. Om oververhitting en brandgevaar te voorkomen, mag het apparaat niet worden afgedekt. Ook mag deze sticker niet verwijderd worden van het apparaat.

Lees deze handleiding aandachtig door voordat u het apparaat gaat gebruiken. Bewaar de handleiding altijd in de directe omgeving van het apparaat of de plaats van gebruik! Lees alle veiligheidswaarschuwingen en alle instructies zorgvuldig door. Het niet opvolgen van de waarschuwingen en instructies kan leiden tot elektrische schokken, brand en/of ernstig letsel. Bewaar alle waarschuwingen en instructies voor toekomstig gebruik. Door het niet opvolgen of niet juist opvolgen van de handleiding, kan de garantie komen te vervallen.

**Attention, warnings!**

- Check which series you have purchased and install according to the tips in the installation section! Please note, if you do not follow these, the warranty on your product will expire.
- Before use, remove the protective film (on the front), if present.
- Make sure the operating voltage is between 220-240V, 50Hz, and the power supply is strictly in accordance with IEC.
- Do not use the device in potentially explosive areas.
- Do not use the appliance in an aggressive atmosphere.
- Place the appliance upright and ensure that it stands or hangs stably.
- Let the appliance dry after cleaning. Do not use the appliance when it is wet.
- Do not use the appliance with wet or damp hands.
- Do not expose the appliance to direct spraying water.
- Never insert any objects or limbs into the appliance.
- Do not cover or transport the appliance during use.
- Do not sit, stand or lean on the appliance.
- This appliance is not a toy! Keep away from children and animals and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge.
- Do not leave the appliance unattended during use.
- Before each use of the appliance, check accessories and attachments for possible damage. Never use the appliance if it has defective parts.
- Make sure that all electrical cables outside the appliance are protected from damage (e.g. caused by animals). Never use the appliance if electrical cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in the technical data chapter.
- Insert the power plug into a well-secured socket; if this is a damp room, it must be earthed.

- Consider the power consumption of the appliance, the cable length and the intended use when choosing extension cords for the power cord. Unwind extension cords completely. To avoid electrical overload.
- Before carrying out maintenance, care or repair work on the appliance, remove the plug from the socket. Hold the plug and do not put it back in the socket until the above has been carried out.
- Switch off the appliance and unplug it from the socket when not in use.
- Never use the appliance if the plug or the power cord is damaged. If the power cord is damaged, it must be replaced by the manufacturer, an electrician or a similarly qualified person in order to avoid a hazard.
- Faulty power cables pose a serious health risk.
- When installing the device, observe the minimum distances to walls and other objects as well as the storage and operating conditions specified in the Technical Data chapter.
- Never drill into the heating appliance.
- Do not use the appliance in the immediate vicinity of curtains.
- Do not place the appliance in a flammable environment.
- Do not touch the surface of the appliance while the appliance is still in operation.
- Allow the appliance to cool down completely before transport, maintenance or similar work.
- Do not use the device near bathtubs, shower trays, swimming pools or other water reservoirs. Look carefully at the IP value of this product in advance, based on this you can determine the placement in the right zone.
- The product should be positioned so that the switch(es) and controller(s) cannot be touched by people in a bathtub, shower and/or swimming pool.
- Do not use the appliance if the socket, cord or plug is overloaded.

Quality Heating Phoenixstraat 35-37 1812PP Alkmaar NL

Technical specifications

Model	QH dual electric boiler with mechanical control
Connection	230V
Dimensions in cm	H120xB53xD28 100L H95xB53xD28 80L H87xB45xD24 50L H61xB45xD24 30L
Weight in kg	35KG 100L 26KG 80L 23KG 50L 18KG 30L
Assets	Adjustable in 800W, 1200W and 2000W.
IP value	IPX4
EAN	8720986327800 100L 8720986321822 80L 8720986321815 50L 8720986321808 30L
Warranty	2 years
Brand	Quality Heating
Connection cord	1.8 cm
Material	Enamel /zirconium coating

Package contents:

- Boiler
- Inlet combination
- Cord
- PVC drain hose
- Brackets
- Manual

Additional materials and tools required for installation:

- Connection set
- Drilling machine
- Pencil (for marking)
- Screwdriver/screwdriver

Location requirements: Vertical on the wall.

Safety accessories

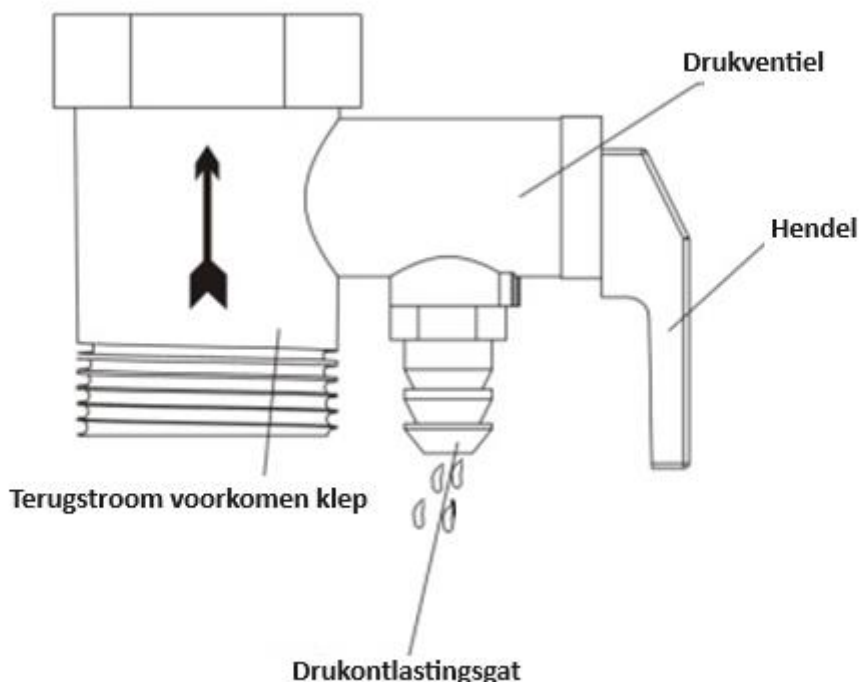
Please note that the boiler must be installed according to the manual. This is to be able to claim your warranty .

A safety valve (pressure relief valve) is equipped in the boiler. It is normal that the pressure relief hole will drop a little water during heating. Because the water in the tank expands after heating, the water dropper will flow out to reduce the pressure in the tank. When the water fails, the backflow preventer will prevent the water from flowing back, so that dry burning is impossible. Safety valve should be installed in the water inlet side (blue color side). The setting of safety valve is preset to a nominal pressure of 0.8MPa at the factory, so please do not adjust it by yourself.

Safety valve must be installed without frost, to prevent freezing or blocking of the hole.

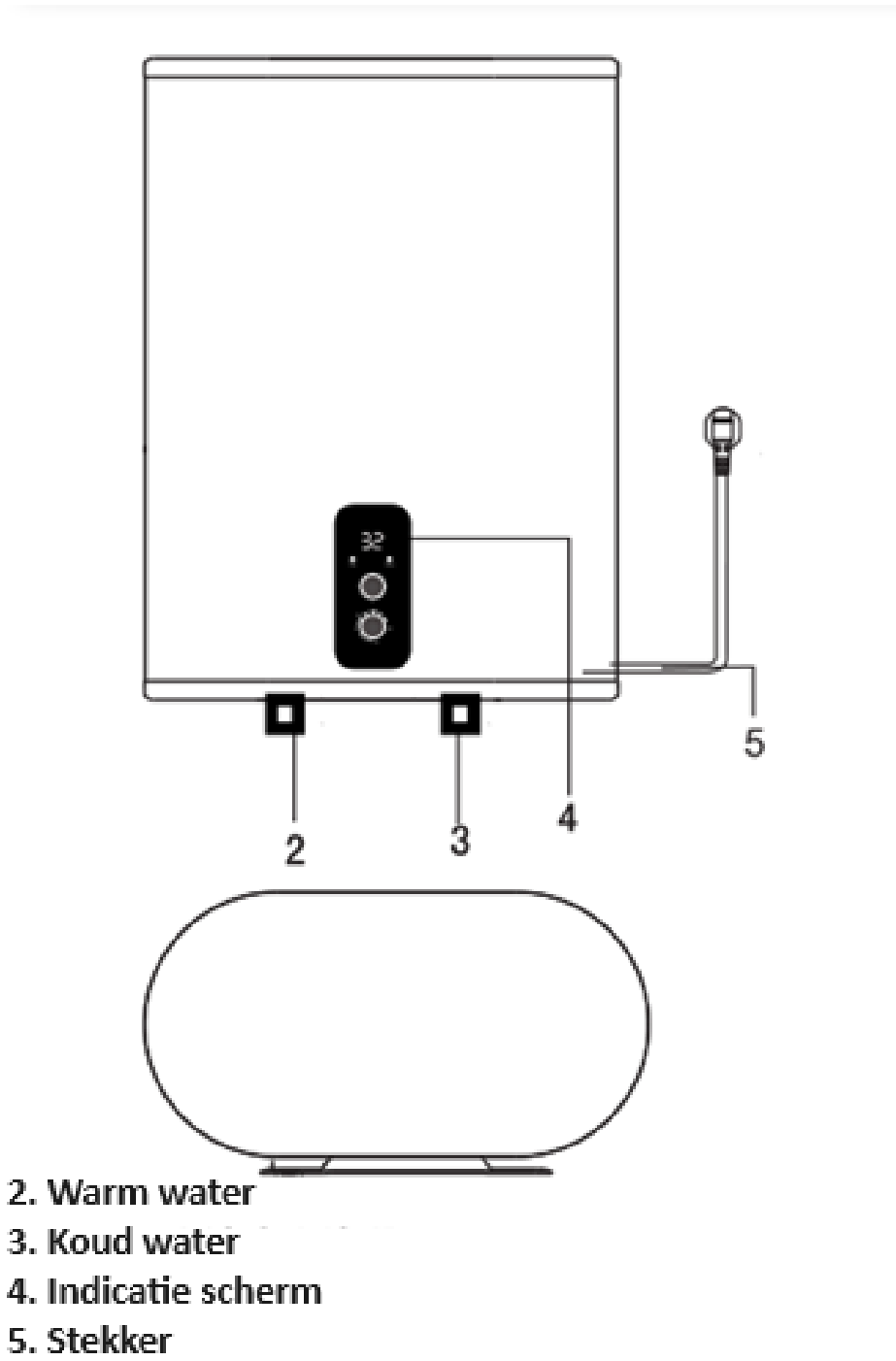
Safety valve must be installed downwards. Drain the dripper with a relief line. No blockage, no kinked drain hose.

For any fortune or economic loss resulting from improper use or failure to obey instructions, the company will not take any responsibility.



Overheating protection

This product is equipped with non-self-resetting overheating protection. When the temperature control system of the electric water heater is not under control, or other faults cause the water temperature to rise, once the water temperature reaches the rated temperature, the overheating protection will immediately cut off the power and stop heating.

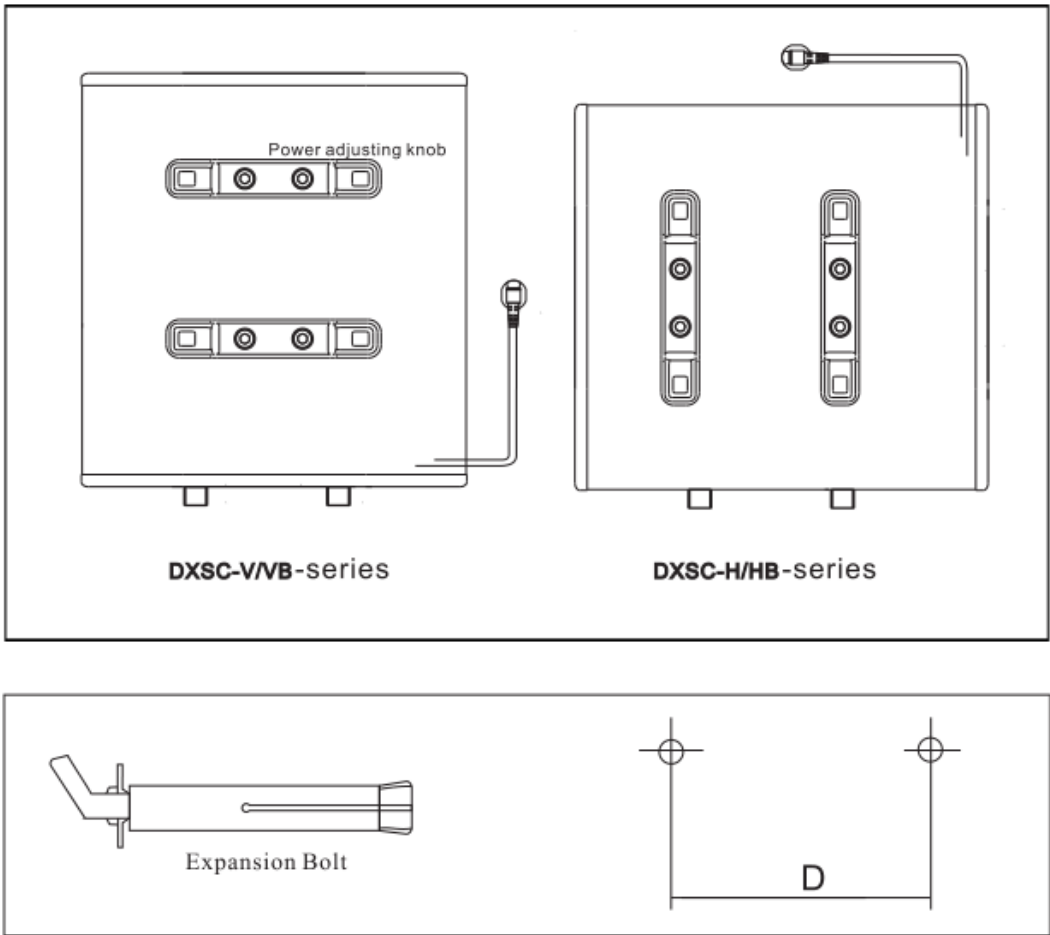


Installation specifications

- Water heater should be installed near tap water and water drain pipe, let the drain pipe flow.
- The electric water heater should be installed indoors where the ambient temperature is higher than 0 °C . The location of hot water consumption should not be too far from the water heater. If the distance is more than 8 meters, the pipe should be wrapped with a heat preservation layer to reduce heat loss.
- Confirm that the wall can support four times the fully filled electric water heater weight.
- The power socket should install the dry position where the water can not spray. Never plug the plug into the power socket with wet hands.
- Convenient use and repair should be considered when selecting the installation location of the boiler.
- Before fixing the drill hole, make sure to leave enough space to facilitate future maintenance and repair. If you are mounting the device on the ceiling, make sure to open an active hole of corresponding size in the ceiling decoration plate.
- The water heater uses 110-240V/60HZ AC power supply. Be sure to select a good quality power socket whose current rating is 10A, is reliably grounded, and meets national standards. Never use a multi-function or removable power socket.
- When you finish installation, check the reliable installation before filling the water tank. When filling water, check the inlet and outlet connections to see if there is water leakage. After confirming that there is no leakage, connect the power to heat water.

Installation of mounting brackets

1. After confirming the installation position, use impact drills to drill two $\phi 14\text{mm}$ holes on the wall according to the installation size. Fix the M10 steel expansion bolt in the correct position.



2. There is a square hole in the upper position of the two installation brackets on the back of the electric water heater. Hang this hole on the hook and move the water heater down, make sure the square hole reaches the depth of the hook. Make sure the water heater is reliably fixed as shown.



Goed

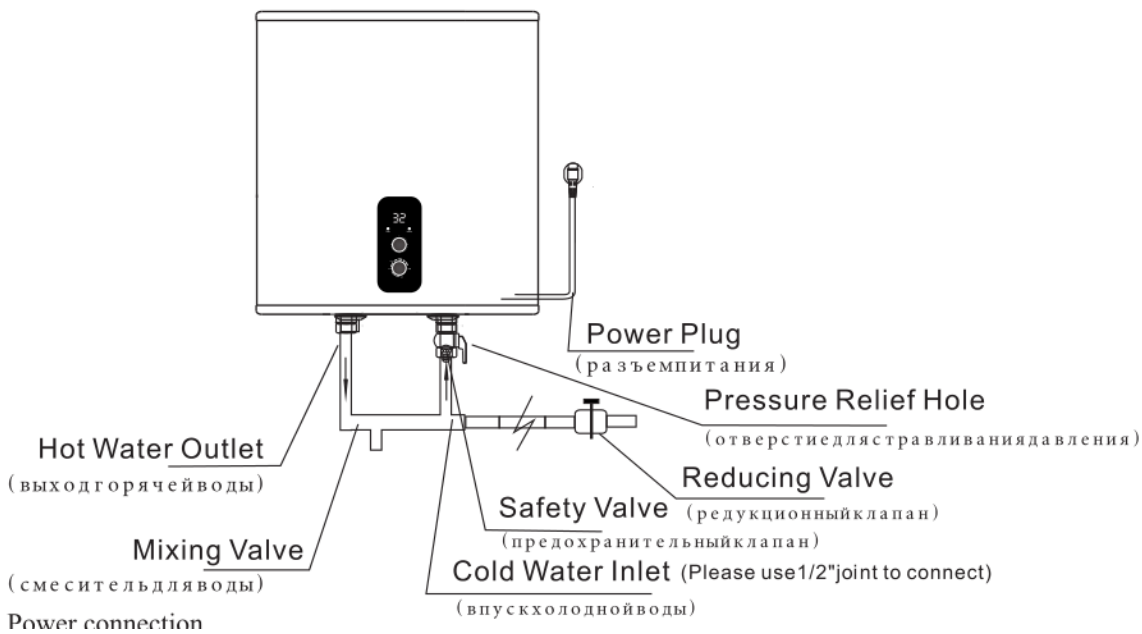
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Pipe connection

Connect the cold water supply pipe to the supply nipple (marked with a blue ring) and the hot water outlet pipe to the outlet nipple (marked with a red ring). The safety valve (pressure relief valve) must not be screwed too tight

to avoid any damage. Connect mixed water valve with supply pipe, drain pipe separately and correctly. If the user's tap water pressure is close to or higher than 0.8MPa, install a pressure reducing valve in the inlet pipe, far away from the water heater. Otherwise, the water heater will greatly shorten its lifespan when the water heater is under high pressure for a long time.

Be sure to use PTEE thread sealing tape on the connection between the safety valve and the boiler. Prohibit using rubber band, it may cause explosion hazard.



Power connection

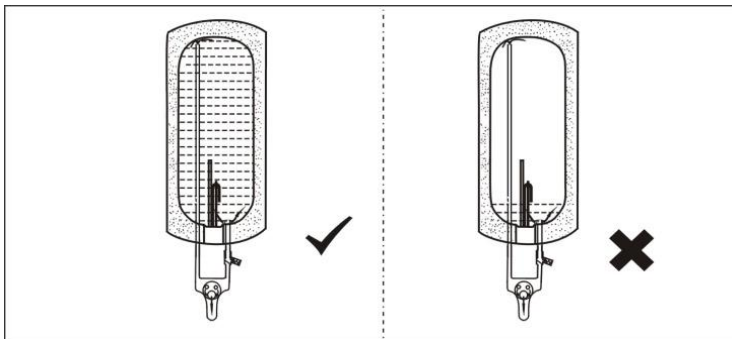
Electric boiler is provided with power cord and plug which is already reliably grounded. User simply connects it to the corresponding socket. The socket must be a good quality one, which can carry 10A current.

The electric boiler must have a reliable, special electricity supply line, the selection area of which must be $\geq 1.0 \text{ mm}^2$.

Installation

Instruction notes

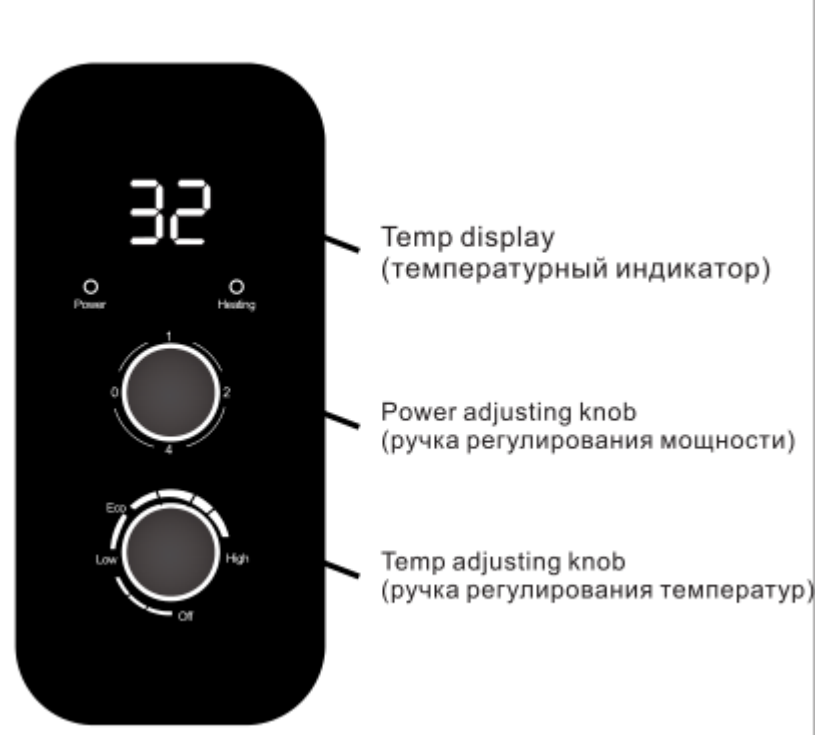
Before connecting power, fill the tank system completely with water and check for leaks. To ensure all air is out of the water system, open the hot water taps as high as possible on your mixtures until water flows steadily, otherwise damage to the element may occur. Make sure the cold water inlet line valve remains open. To start the heating cycle, make sure the tank is full, to prevent damage to the heating element.



Setting and operation

1. Connect the boiler to the power supply, turn on the power switch . The heating indicator will light up. Start heating.
2. When the water temperature needs to be adjusted, clockwise to increase the temperature and counterclockwise to decrease it. During heating, the pointer on the temperature display will move with the temperature. When the indicator light is on, it means the electric boiler is in heating state. When the indicator light is off, it means the electric boiler reaches the rated temperature. The power is turned off, the electric boiler is in a temperature maintenance state.

3. When using the boiler, open the mixing valve to adjust the comfortable temperature. After using, turn the mixing valve to the cold side.
4. Adjust the power knob clockwise to increase the power. When the knob scale points to off, the boiler will turn off and stop heating.



CAUTION! It may cause burns if the water temperature is over 50 °C, so please adjust the appropriate temperature for your safety.

Keep cold inlet water flow, no shut off valve.

When using the boiler again, make sure to fill the tank completely first and then turn on the power, otherwise the boiler may be damaged.

Maintenance instructions

- Troubleshooting or maintenance of the product should be performed by a qualified professional electrician. Incorrect method may result in serious injury or loss of fortune.
- Disconnect power before servicing.
- If hot water is sufficient to use, you can set the temperature slightly lower to reduce heat loss and corrosion and limescale at high temperatures, so as to extend the life of the electric boiler.
- Check if there is any leakage in the pipe connections. If so, deal with it in time.
- The socket should usually be checked to test whether it is reliably grounded and meets the national standard.
- Place the water heater's power outlet in a dry place away from water. Never plug or unplug the power plug with wet hands to avoid electric shock, injury or other accidents. Unplug the power plug if you are not going to use the water heater for a long time.
- Limescale may form in the water tank due to water quality and hardness in different areas after a period of use. Therefore, drain the boiler regularly to ensure that sediment in the water tank is drained.
- If the heater is not used for more than 2 days in winter in cold areas, please drain the water to avoid damage from ice formation. If the inner tank is cracked frozen, the company will not take any responsibility.
- Drain the heating
- This product should be cleaned when it needs to be repaired or is not used for a long time. Disconnect the power supply, close the inlet water valve, turn on the outlet water valve, and unscrew the safety valve. At this time, water will flow out of the water inlet mouth. If clean water comes out of the drain hose, it means that the dirt in the inner tank has been completely drained. Install all components in their original places. Note that the water inlet valve must be opened several times to flush out the dirt at the bottom of the inner tank during flushing

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- When reusing, first fill the water tank completely and check all connections.

Notes: Drain water may have high temperature, please be careful.

Notes: If no water comes out of the shower head, the tank is not completely filled, the power must not be connected

The relief valve should be checked once every two weeks during use. The method: turn the small handle of the relief valve. It is normal if water flows out.