# Stoveman BOILER
## Installation and user instructions

Stoveman BOILER is foremost meant for heating domestic water for sauna via the heat exchanger of the sauna stove but it can also be used in combination with other heating sources with the similar heat exchanging principle (for example a pioneer stove, etc.).

The boiler can stand water pressure up to 4 bar. The housing of the boiler made from black steel is made of 3 mm sheet steel and in case the housing is made from stainless steel, 2 mm sheet steel is used. The boiler is equipped with four female threaded couplings with the diameter of ¾", the side view of approximate locations of which can be found on the connection schemes included in the instruction manual of the boiler.

The boiler should be preferably installed horizontally (Figure 1) but it may also be installed vertically (Figure 2) according to the schemes shown in these instructions.

## Installation

**ALL INSTALLATION AND MAINTENANCE WORK SHALL BE PERFORMED BY (A) QUALIFIED SPECIALIST(S).**

**THE MANUFACTURER SHALL NOT BE HELD RESPONSIBLE FOR DAMAGE CAUSED BY NEGLIGENCE OF THE REQUIREMENTS STIPULATED IN THESE INSTRUCTIONS OR LEGISLATION CONCERNING SAFETY.**

- The device must be installed in a room, where there is no risk of freezing. In case the temperature in a room the device is installed in will fall below 0ºC, the boiler and piping must be emptied before freezing.
- To reduce heat losses it is advisable to install the boiler as close as possible to the place where consumption occurs and which is heated. Preferably the boiler should not be further from the sauna stove than 3 m.
- The load bearing capacity of the wall onto which the boiler is fastened and boiler fastening elements (altogether) shall be at least three times the weight of the boiler filled with water.
- The connection scheme of the pipes must include an overpressure safety valve and if necessary also an expansion tank matching with the capacity of the system.
- Before commissioning of the boiler the bolts of the hoop fastener of the boiler must be inspected and tensioned (from a safety point of view it is especially important in case of vertical mount).
- In case of a connection scheme utilising natural circulation:

- the conditional diameter between the heat exchanger and boiler must not be less than ¾ inches;
- the position of the elements of the system in relation to one another and inclination of the pipes must be such as to avoid formation of air clogs in the connection pipes installed between the heat exchanger and boiler;
- to ensure water circulation the boiler must always be installed higher than the pipe connections of the heat exchanger; in case it is technically not possible, a pump must be added to ensure water circulation.

## Operation instructions

When filling the system with water for the first time the drain tap of the system must be closed and the shut off device of the supply line (cold water) opened, also the shut off devices on the connection pipes installed between the heat exchanger and boiler and the hot water tap of a device consuming hot water (for instance a shower) must be opened. The system is full when water starts coming out of the shower head, provided that the cold water tap is closed.
In operation mode the shut off device of the supply line (cold water) is open and the shut off devices on the connection pipes installed between the heat exchanger and boiler and the drain tap of the system are closed. The system is automatically filled when the hot water tap of the mixer of the consumer (for instance a shower) is opened.

According to the need, but as minimum once per year, the boiler and piping shall be inspected and if needed the piping shall be cleaned from scale, solid sedimentation, etc. Inspection and maintenance of the overpressure safety valve and expansion tank shall be performed as stipulated in the technical documentation.

## Warranty

**The manufacturer gives its boilers a 24-month warranty starting from the date on the purchase receipt.**

The warranty applies for malfunctions caused by manufacturing faults.

The warranty becomes invalid and the manufacturer is not required to repair or replace the boiler in the following cases:

1. the surface of the boiler is damaged and/or oxidised (corroded);
2. the damage to the boiler is caused by the use of faulty devices or an incomplete or incorrect connection scheme;
3. the damage to the boiler is caused by negligence of the instructions of the present manual or requirements for the installation and use of the device stipulated in the legislation.

The claim should be sent via e-mail to the address **kontakt@evt.ee** or on paper to the address: AS Eesti Vanglatööstus, 22 Kalmistu tee, Tallinn 11216, Estonia.

## Manufacturer:

**AS Eesti Vanglatööstus**
22 Kadaka tee
11216 TALLINN
Phone: 677 6700
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kontakt@evt.ee
www.evt.ee

**Figure 1**

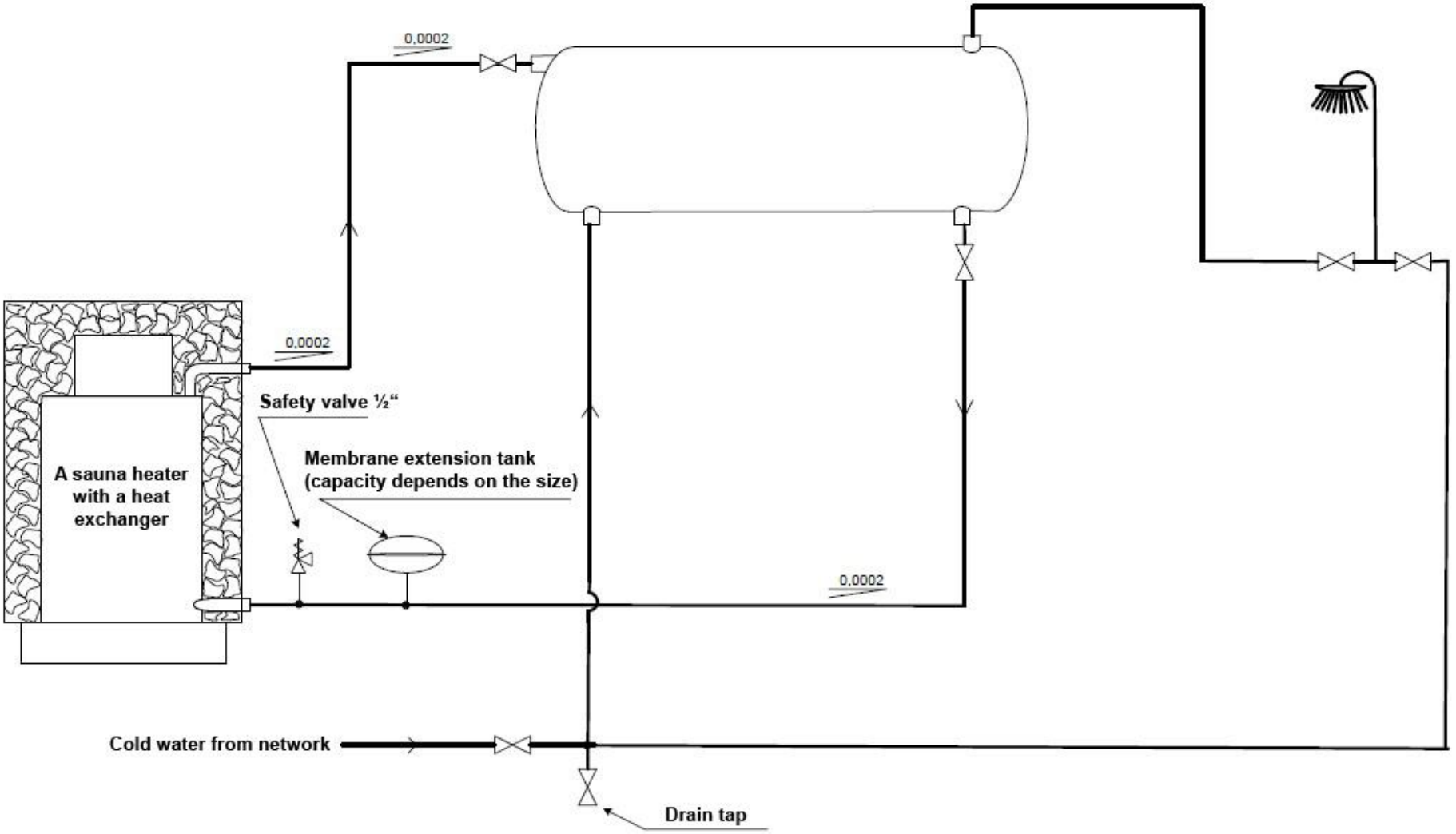
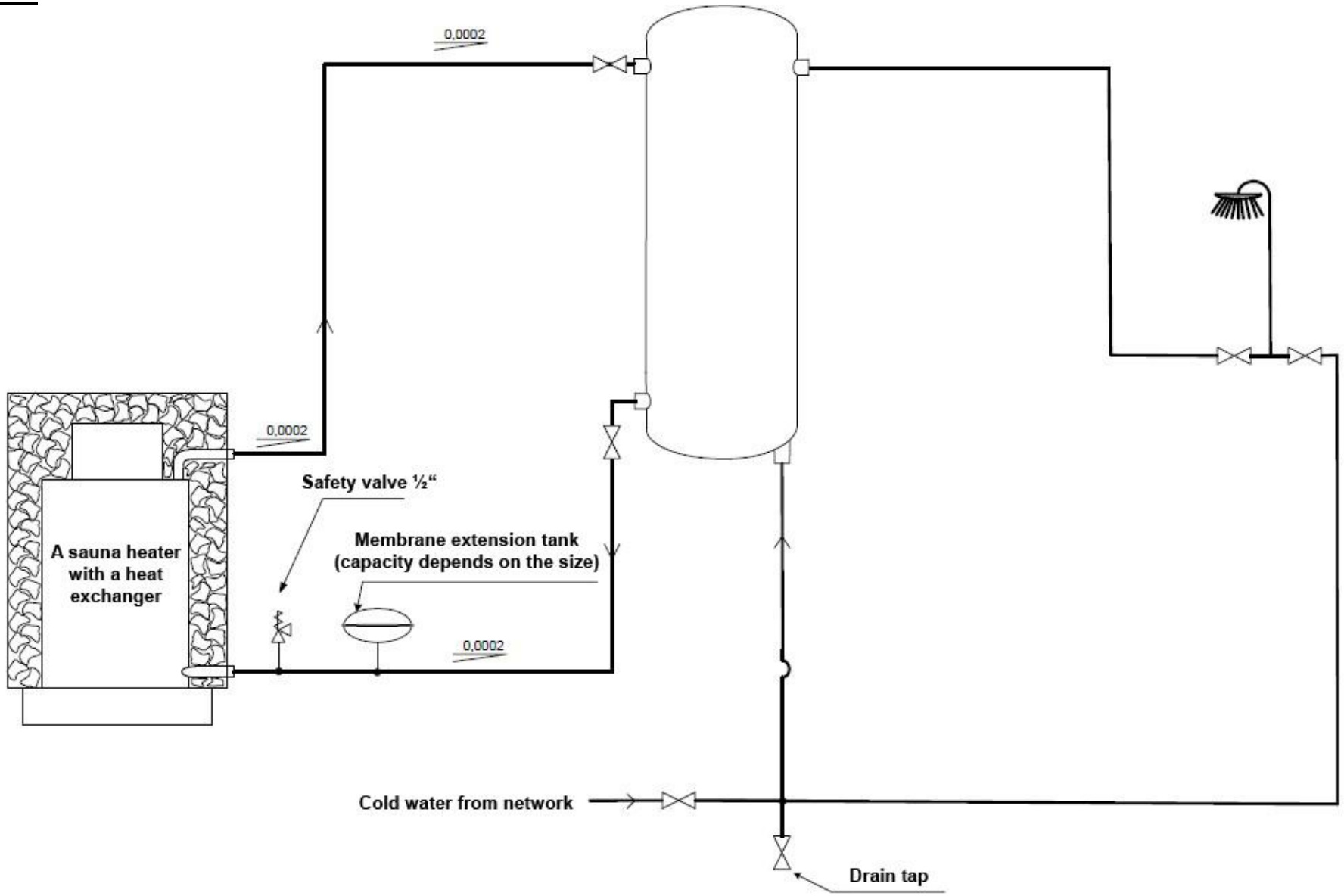

0,0002
0,0002
Safety valve ½“
A sauna heater with a heat exchanger
Membrane extension tank (capacity depends on the size)
0,0002
Cold water from network
Drain tap

**Figure 2**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