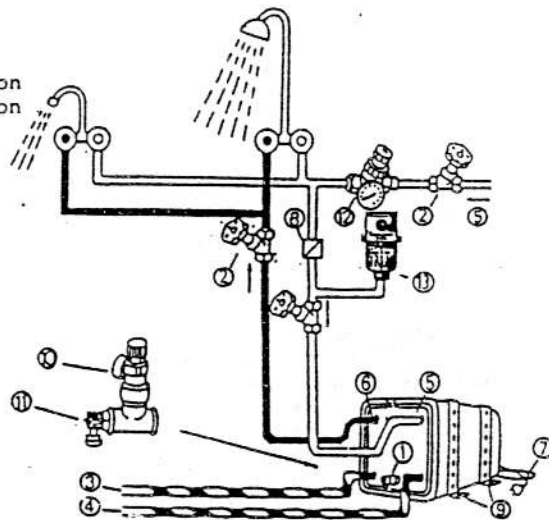


3. Heat Exchanger Connection:

The heat exchanger (3) and (4) can be connected to any kind of source of heat. The diameter of the connection is 18mm. The supply and the outlet sides can be exchanged. Use heat-resistant pressure hoses and stainless steel clamps. When connecting the heat exchanger to the engine cooling system, it has to be connected where the cooling water reaches its highest operating temperature. Various engines have already been equipped with special fittings for this purpose. Contact your engine service station for help, your serviceman will connect the heat exchanger for you.

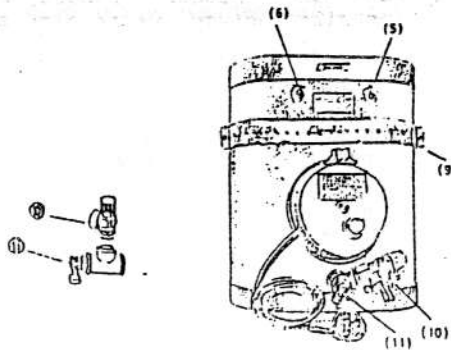
4. Connecting Examples

- (1) Drain outlet
- (2) Shut-off valve
- (3) Heat exchanger connection
- (4) Heat exchanger connection
- (5) Cold water supply
- (6) Hot water supply
- (7) Electric connection
- (8) Back pressure valve
- (9) Installation strap
- (10) Safety valve
- (11) Drain valve
- (12) Pressure reducer
- (13) Surge tank



Attention!

Because of possible sediments in the water, the safety valve (10) has to be installed in a vertical or oblique position pointing up, see drawing. The safety valve must not be blocked at the drain outlet.



5. Operation:

After having installed all water connections open your water supply and your hot water tap to fill the boiler with water. Once the boiler is completely full, water will run out of the hot water tap. Thanks to its safety design, the boiler cannot inadvertently drain off itself. You can only empty the boiler completely via the drain valve (11), (see emptying for the winter season).

6. Electric Connection:

First fill the boiler with water before connecting it to the electric mains. Use the thermostat to set the temperature. The set temperature is controlled automatically, the signal lamp indicates the heating up of the boiler. The temperature is continuously adjustable: 0-F = frost guard, I = approx. 35°C, II = approx. 50°C, III = approx. 80°C.

Caution! Do not operate the boiler without water

If the boiler is operated electrically without water, the temperature safety device installed in the heating element will come into action as soon as the excess heating temperature of 110°C is reached and will switch the boiler off electrically. The temperature safety device is located in the probe tube of the heating element. Once it has come into action, it has to be replaced by a certified serviceman. Temperature safety devices are available at your distributor or from ELGENA München.

7. Frost Protection and Emptying the Boiler for the Winter Season

You have two possibilities to protect your boiler from frost:

- a) You keep the boiler connected to the mains and set the thermostat to frost guard (F). Thus, the water temperature is kept above the freezing point. The electricity consumption for this method is very low.
- b) You empty the boiler via the drain valve (11). If the water does not run out, open the water taps to allow air to enter the supply lines.

Caution:

Models E and ME have to be disconnected from the electric mains first before draining off the water. (Pull plug out of socket). Otherwise you risk that the boiler be heated without water and the temperature safety device be blown by excess heat.

First fill the boiler with water before any renewed operation, see point 5 + 6 of this Instruction for Use.