

Installation Instruction

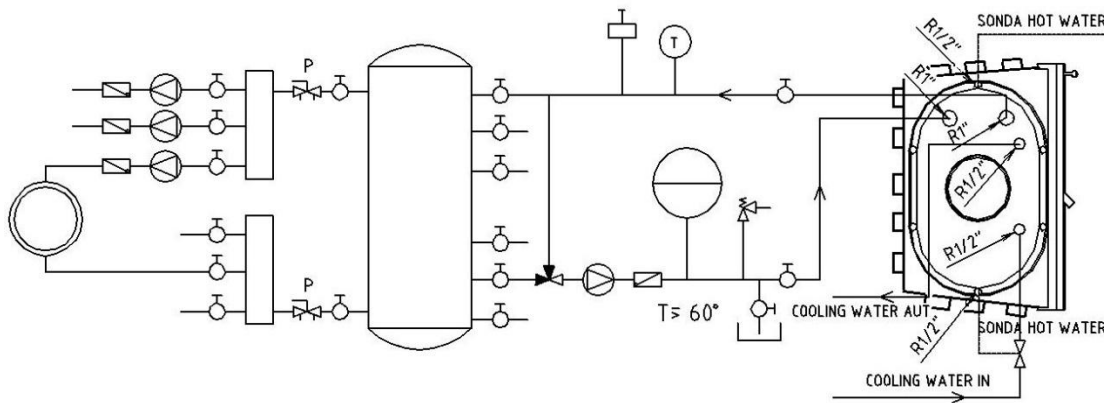
Accessories BOILER INSERT

Fireplace inserts with a boiler are designed for running both the hot water and heating system. They are also designed to heat the room in which they stand by conventional radiant heat through the insert or via hot air convection.

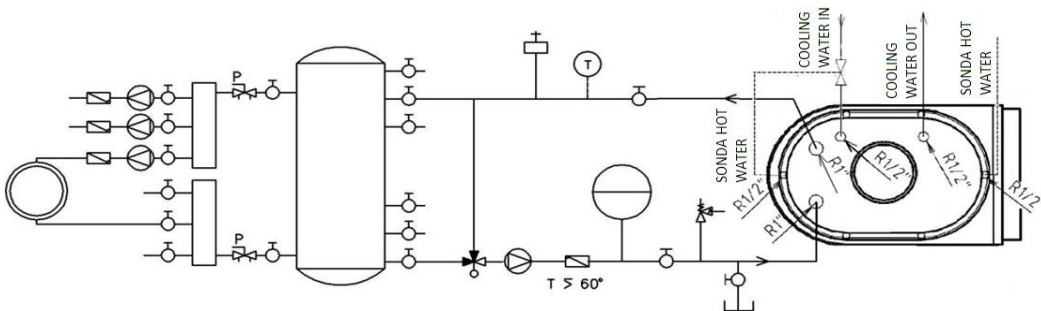
Before connecting a warm-water system:

1. Lift the hot-water exchanger
2. Squeeze a bit of sealant onto the connection of the firebox insert and hot water exchanger. The sealant can be found in the accessories bag inside the firebox. Place the hot water exchanger on the top of firebox. The position of the hot water exchanger is determined by the placement of guide screws near the fastening screws.
3. The hot-water exchanger can be rotated by 180°, if necessary.

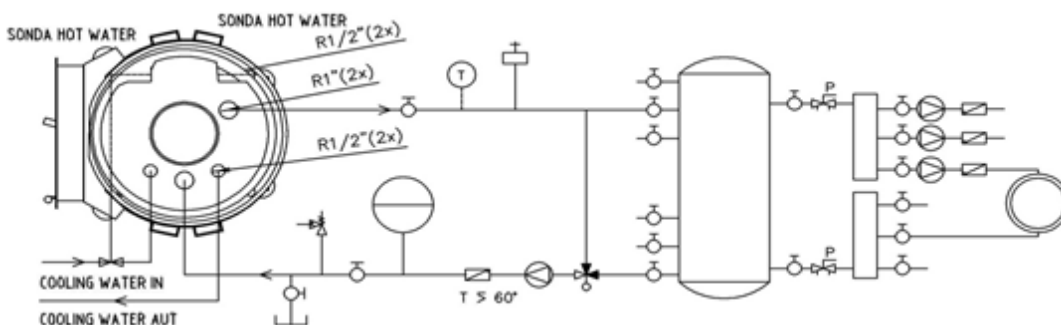
Correct installation of the boiler:



CHOPOK, CHOPOK O



KPL

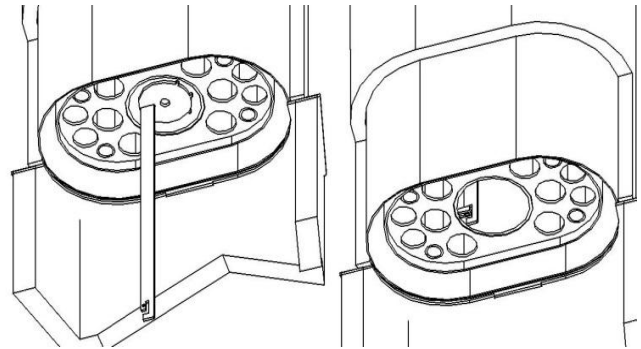


ROTO

Prior to installation, we recommend that a qualified heating engineer, is consulted according to proposed central heating

A revision hole of a size of min 50 x 40 cm is required to be fitted to the overlapping part of the body /casing.

Insert the removable cover into the intermediate passage of the exchanger – this should be done through the flue gas duct or through the outflow passage after removing the deflector. In the case of a low-power chimney, it is possible to remove it. This is visible through the opening for control of heat water exchanger.



Mandatory equipment according to STN EN 303-5:

1. Safety Relief Valve /SRV/ - limits the pressure in a system not to reach above 2.5 bar.

The SRV must be installed in the domestic hot water system within 2m from the boiler or to have a separate output from the boiler 1/2 ".

2. The Thermal Safety Valve /TSV/ prevents overheating of the heated appliance.

The TSV is not dependent on the pressure of the heated appliance and is preventing the appliance rising above boiling point at normal atmospheric pressure. The TSV starts to open at 97 °C with max opening at 110 °C. New and existing systems must be both, cleaned and flushed before use. Follow the instructions for the maintenance of valves, it is essential that valve seats are cleaned regularly. When you start using your fireplace, we recommend to test the performance of the safety system.

Recommended equipment:

Thermometer - used for visual inspection of the boiler. The thermometer must be installed onto the pipework of the boiler.

Operating Instructions

Accessories BOILER INSERT

Operation:

- **Do not use the appliance unless it is connected to the hot water system, as this may cause damage to the appliance or system. You are permitted to make a test fire after connecting the appliance to the flue before connecting to the whole system for testing the flue draught.**
- **Temperatures below 60 °C within the boiler lead to the formation of tarry deposits in the liners and also oily soot deposits, which may drip into the fire. Ensure adequate operating temperatures eg by connecting the system with the load units and load valves as per diagram above.**
- **A thermal safety valve (TSV) is fitted to the system to prevent overheating. Should the water temperature within the boiler reach an unsafe level (100 °C), the TSV opens in the top part of the boiler. The TSV operates to allow cooling water to circulate around a dedicated coil in the boiler. Do not put more wood on the fire, let the fire go out.**

Maintenance.

Soot and tar deposited on the back boiler greatly reduce its effectiveness. To maintain the performance of the fireplace insert and prevent smoke into the room, physical cleaning of the boiler is required.

Checking of the openings and a physical cleaning is necessary during the heating season at least 2 times!

During the heating season it's good to maintain cleanliness by using a dry creosote remover, which makes the fire burn cleaner, whilst improving the efficiency of the fireplace insert and physical cleaning. Use as per instructions on the remover.

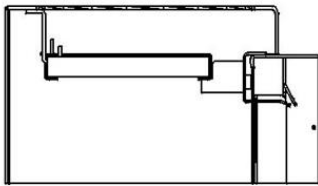
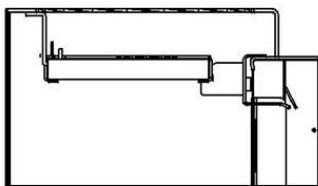
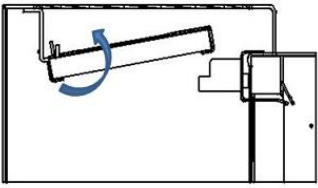
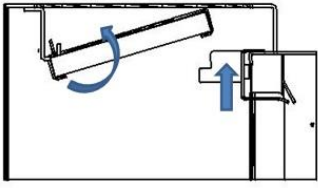
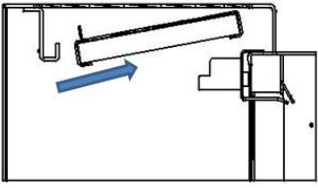
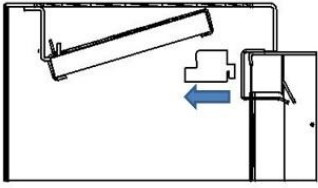
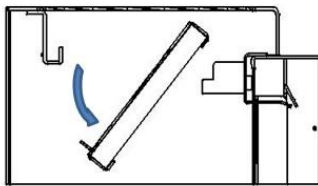
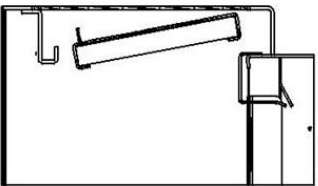
Cleaning

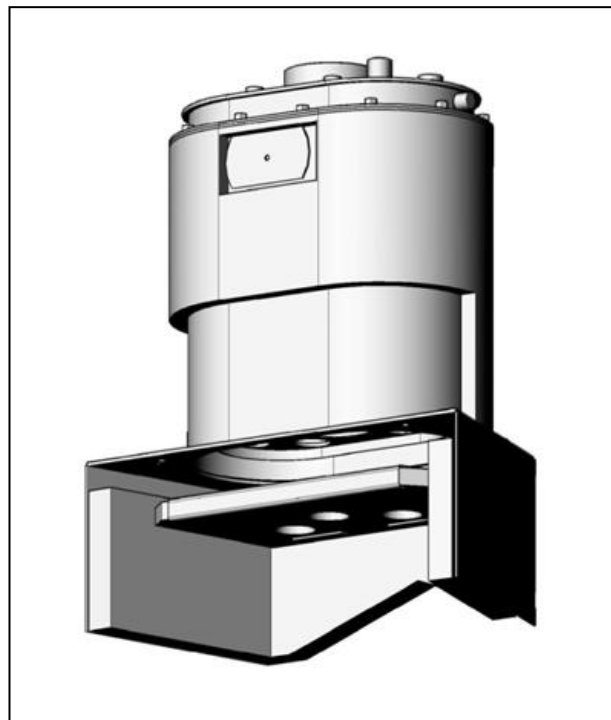
It is highly recommended that after each heating season the fireplace insert, the exchanger, the chimney flue and the chimney itself should be thoroughly cleaned. In order to do this, please follow these steps:

1. Take out the deflector through the fire hearth.
2. Remove the cover from the middle opening of the exchanger. / See picture in the assembly part /
3. Use the accessories for cleaning to clean heat exchanger TV : use the cleaner n. 4 - flat side cleaner for the side gap, round cleaner 5 for cleaning the individual vertical drains (outlets) (accessories)- clean the individual outlets from the outbreak.
4. Use the cleaner extension n. 6 to clean the flue smoke chimney through the central inlet opening into chimney.
5. Clean the fire hearth from the soot (black remains of the fire) and install the deflector cover to its original position.



Deflector removing

Mode A	Mode B
1 	1 
2 	2 
3 	3 
4 	4 



Note: For the type of insert „CHOPOK xxx PD“, click both sides into the hinges. The deflector is fastened in the same way on both sides

Note: For type „KPL“, you should lift the deflector, tilt it and move sideways.