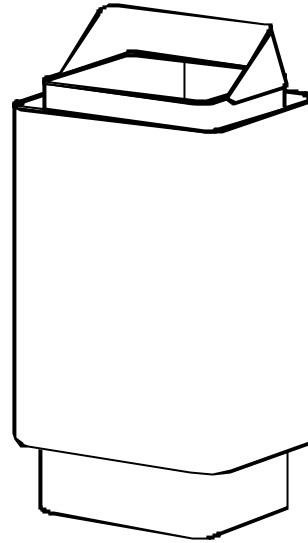


# Installation and operation manual

**SAUNA HEATER**                      **1517-20-04**

**CONTROL PANEL**                    **1418-2-1517**

**Sensor**                                **OLET 6-1**



*See separate instructions for control unit and sensor.*

## INSTALLATION OF THE SAUNA HEATER

Instructions for installing a wall mounted sauna heater can be found on the next page. When installing (setting up) the sauna heater, one must also consider the following:

- Ensure that all measurements are in accordance with the instructions
- The inner walls and ceiling of the sauna must be fitted with high-quality wood panels, such as Nordic spruce, pine or hemlock spruce.
- Make sure that the wall behind the heater, to which the screws are to be fixed, is strengthened with wood. This strengthening should consist of high-quality wood, such as spruce or pine, and it has to be mounted to the framework of the sauna.
- Do not connect more than one heater in a sauna room.
- The sauna heater must not be installed in a wall alcove or surrounded by close structures.

## BEFORE OPERATION

Before connecting the sauna heater to the electricity supply and operating it, the following things have to be checked:

- the following parts must be available: sauna heater, control panel, sensor and heater stones.
- the voltage of the heater should be 230 V.
- the power output of the heater should correspond to the cubic area of the sauna. Refer to table 1. The actual values must not fall short of or exceed the values given in the table.
- the installation clearances according to picture 2 are to be followed strictly. Deviations cause danger of fire.
- familiarise yourself with this Installation and operation manual.

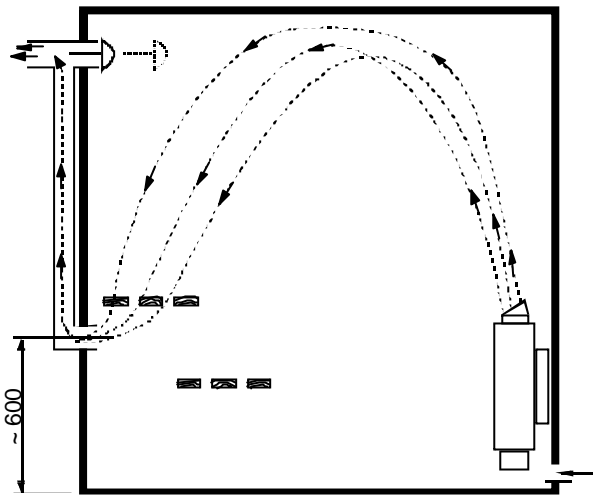
## CONNECTION TO THE ELECTRICITY SUPPLY

The connection cable must not be lighter than oil-resistant rubber cable type H07RN-F. The installation and connection of sauna devices and other electronic equipment should be carried out by authorised professionals. The work should comply with VDE 0100 section 703.

**Safety precaution:** If the timer is started again after it has gone out, the sauna room has to be checked first.

## SAUNA HEATER STONES

The stones are precleaned. Before piling them up in the sauna heater, we recommend cleaning them once more with clean water. The largest stones should be at the bottom, the smaller ones on top. The stones must not be placed too tight or wedged against the heating elements, since this would prevent air circulation in the heater. The stones should cover the heating elements entirely. The stones should be changed when they become fragile and appear to crumble. The sauna heater stones should be about 5-8 cm in diameter and of high quality.



**VENTILATION**

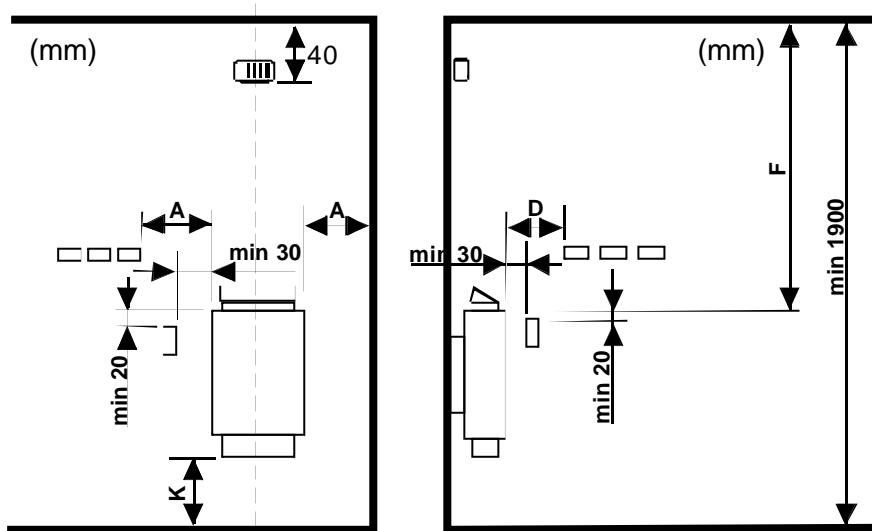
A suitable ventilation system should be secured, so as to make sauna baths as pleasant and healthy as possible. When possible, the inlet air is led from outside through a vent just below the sauna heater. The diameter of the ventilation hole should be at least 60 mm. The used air is led out at the opposite side of the sauna, as far away from the air supply hole as possible. The used air hole should be at least twice as large as the air supply hole and be located about 600 mm above the floor.

Supply air Ø 60 mm

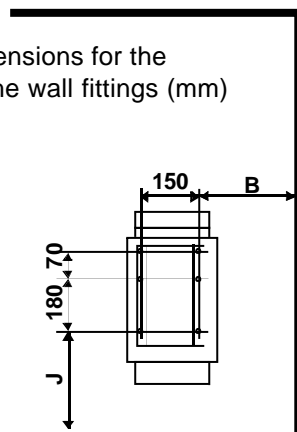
Table 1 **Minimum dimensions for installation (mm)**

Sauna room		Distance of the sauna heater:				Minimum distance of the wall mounting		Stones	Electricity connection
Area	Height	From side wall	From front side of heater	From ceiling	From floor			kg	Heater connection cable H07RN-F
kW	m <sup>2</sup>	A mm	D mm	F mm	K mm	B mm	J mm		
2.0	1.3 – 2.5	50	120	1200	120	125	370	10	3 x 1.5 mm <sup>2</sup>

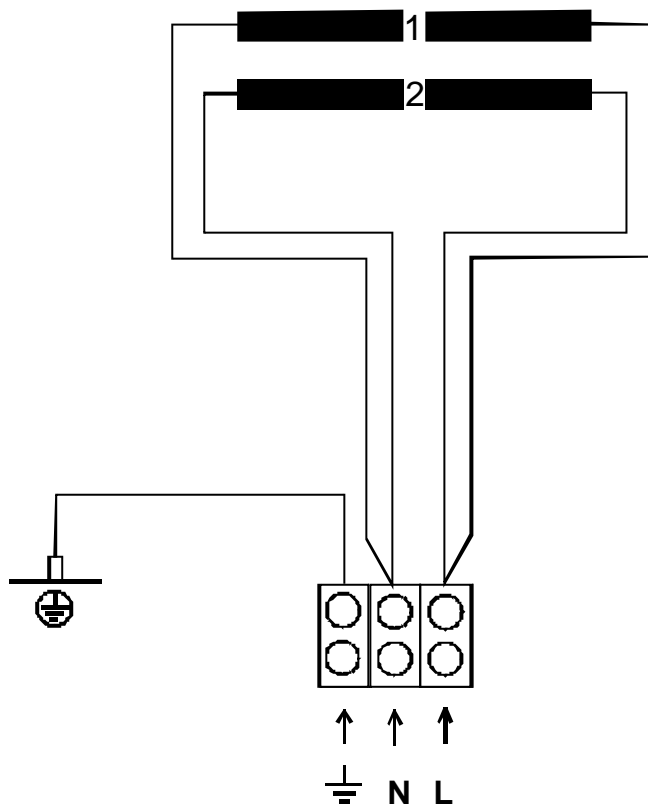
Picture 2



Minimum dimensions for the mounting of the wall fittings (mm)



<b>Teho, Effekt Input, Leistung</b>	<b>Lämpövastus, Värmeelement, Heating elements, Heizelement</b> <b>220 V or 230 V</b>		
<b>kW</b>	<b>SEPC 178</b>		
<b>2,0</b>	<b>1000W</b>		
	<b>1, 2</b>		



**220-230V 1N~**

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