

NARVI ROCKY ELECTRON 6008

NARVI ROCKY ELECTRON 6008 DELUXE

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1. ONE ELECTRIC SAUNA STOVE PACKAGE COMPRISES:

1. Stove with control equipment
2. Fixing plate + fixing screws
3. Sensing element
4. Control unit + stand
5. Sauna stove installation and instruction manual

2. PRIOR TO INSTALLATION

Perform the following checks:

- The stove is the right size (kW) for the size of the sauna (m³).
- Table 1 shows the sauna volumes for different stove types.
- For every 1 m² of uninsulated brick, tile or glass wall surface in the sauna, increase the sauna volume by 1.5 m³ when choosing the required stove wattage from Table 1.

The sauna volumes indicated in Table 1 are both maximum and minimum values.

Table 1. Installation data for ROCKY stove

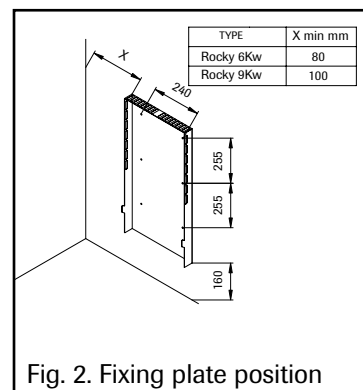
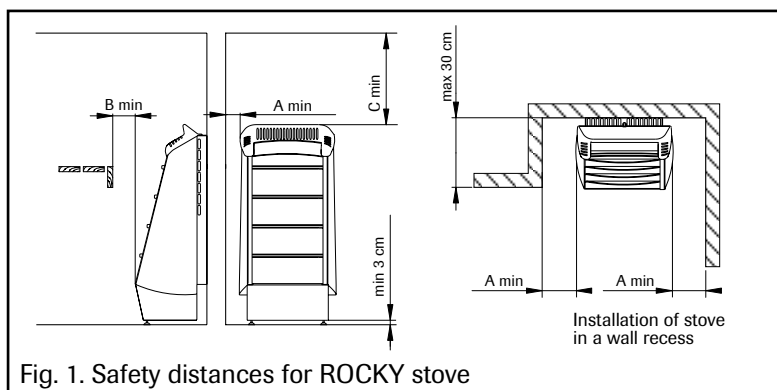
Stove type	Wattage	Sauna			Minimum protection distances to the stove				Weight	Connection*)	
		Volume		Height min cm	Sides A **) cm	Front B **) cm	From ceiling C **) cm	From floor D **) cm		400V 3N mm2	Fuses A
		min m3	max m3								
	kW								kg		
ROCKY 6008 / ROCKY 6008 DELUXE	6	5	8	190	3	25	100	3	55	5x1,5	3x10
ROCKY 9008 / ROCKY 9008 DELUXE	9	8	14	190	5	25	100	3	55	5x2,5	3x16

**) See Fig. 1

*) Use a rubber sheathed connection cable of type H07RN-F or corresponding

- Table 1 indicates both the minimum height of the sauna and the minimum safety distances for the stove.
- Make sure the fixing plate is screwed to a solid base. Wall panelling is not solid enough, and needs to be reinforced with either additional studs under the panel or reinforcing boards fixed to the wall studs on top of the panel.
- The stove can also be installed in a wall recess, cf. Fig. 1.

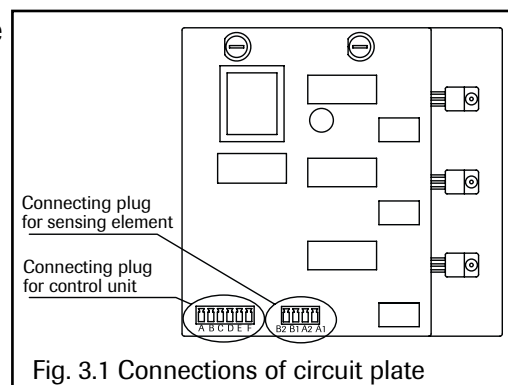
ONLY ONE ELECTRIC STOVE TO BE INSTALLED IN A SAUNA.



3. INSTALLATION:

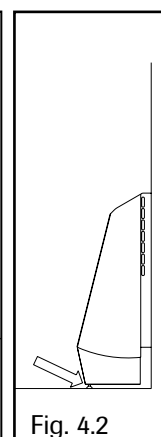
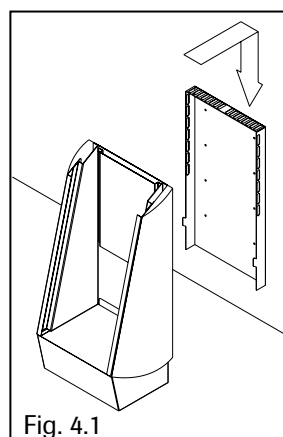
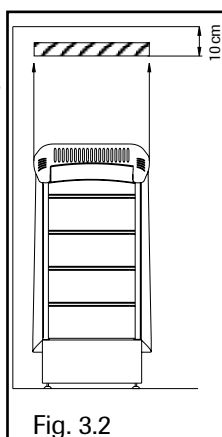
3.1 Installation of stove and sensing element

- Fasten the fixing plate for the stove on the wall as shown in Fig. 2.
(6 screws Ø 4,8 x 25)
- Electrical connection of the stove may only be carried out by a qualified electrician in compliance with valid regulations.
- The connection cable shall be a rubber sheathed cable of type H07RN-F or corresponding. Cable size and fuse rating as indicated in Table 1.
- Connection of connection cable
 - Remove the soapstones from the sauna stove
 - Lay the sauna stove on the floor, with its front facing the floor
 - Remove the bottom plate
 - Attach the connecting cable
 - Attach the connectors of the control unit and the sensing element to the plugs in the circuit plate (Cf. Fig. 3.1)
 - Attach the cordgrips to the covering of the connection box
 - Attach the bottom of the box
 - Turn the sauna stove around
- Install the sensing element to the wall with the screws supplied
(2 screws Ø 2,9 x 16) . Cf. Fig. 3.2.
Install the sensor to the lined area according to figure 3.2
- The wiring for the sensing element can be embedded.



INSTALLATION ON THE WALL:

- Set the sauna stove in the fittings in the wall fixing plate (Cf. Fig. 4.1)
- Set the height of the foot screws, with the back of the sauna stove leaning to the fixing plate (Cf. Fig. 4.2)
- The sauna stove can also be installed in a corner using a separate corner installation stand (available separately)



- Install the soapstones
 - ROCKY ELECTRON (Fig. 4.3)
 - Installing flat soapstones
 - ROCKY ELECTRON DELUXE
 - Installing soapstone slabs (Fig. 4.3b)
- All the stones included in the package must be installed before using the sauna stove for the first time

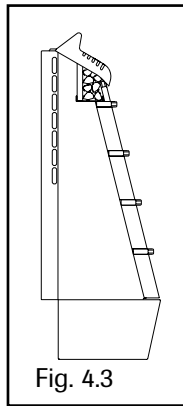


Fig. 4.3

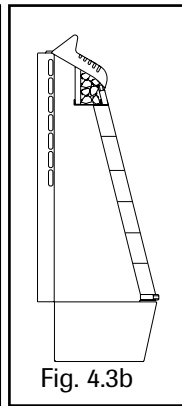


Fig. 4.3b

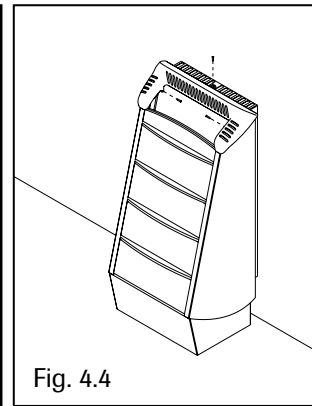


Fig. 4.4

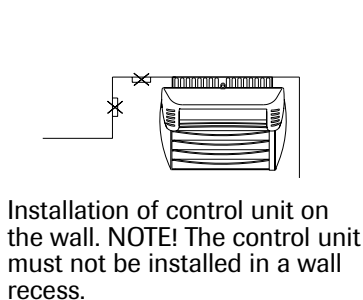
Fasten the fixing screws (4.2 x 9.5) to the upper frame (2) and to the wall fixing plate (1) (Fig. 4.4)

- Pile the small sauna stones on top of the stone plate

3.2 Installation of control unit

- The control unit can be installed either in the sauna or in the dressing room. In the sauna the control unit shall be installed at a height of at most 90 cm. Cf. Fig. 5.
- Fasten the console frame to the wall with screws (2 screws \varnothing 4 x 30) and the console onto the frame (2 screws \varnothing 3,5 x 17). Figure 7.
- The wiring of the control unit can be shortened. The wire may not be inserted in the connection box of the stove.
- Surface installation of control unit into contact box. (2 screws \varnothing 3.5 x 15). Fig. 6.2.

Fig. 5.



Installation of control unit on the wall. NOTE! The control unit must not be installed in a wall recess.

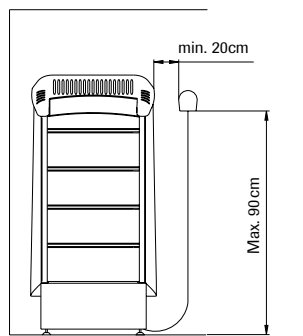


Fig. 6.1

Use little screwdriver when you open the cover. Push with screwdriver salients in. In the picture arrows shows where salients are.

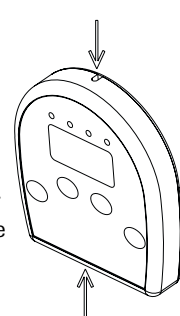
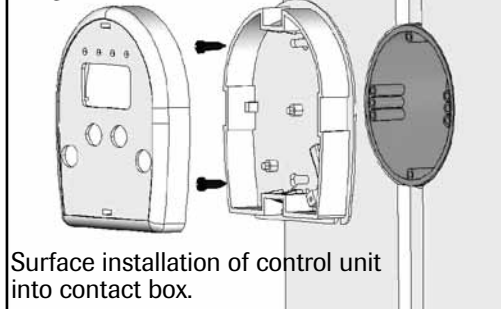
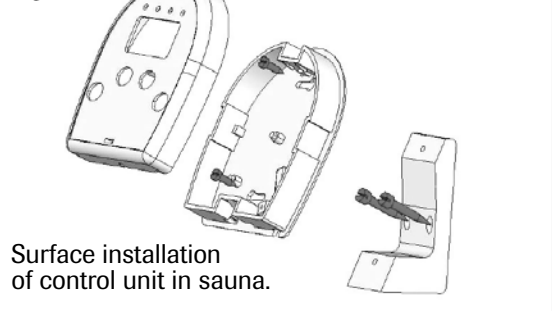


Fig. 6.2



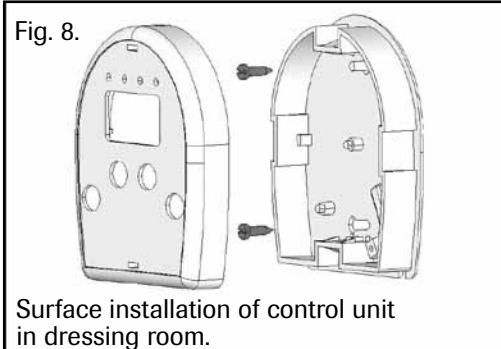
Surface installation of control unit into contact box.

Fig. 7.



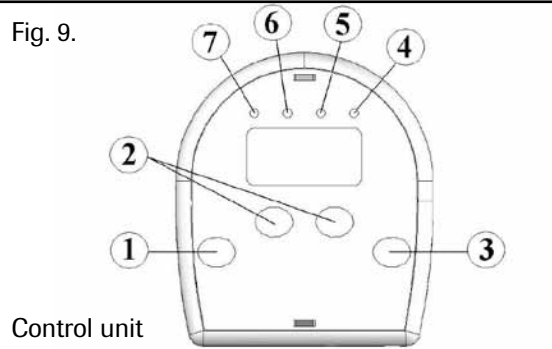
Surface installation of control unit in sauna.

Fig. 8.



Surface installation of control unit in dressing room.

Fig. 9.



Control unit

4. CONTROL UNIT

4.1 Instructions for use of control unit

1. On/Off pushbutton

- When the display is off, pushing this button will switch on the control unit and the stove. The button shall be held down for more than 1 second.
- The control unit and the stove can be switched off by pressing the button again and holding it down (for more than 1 second).
- When the stove is switched on, the pre-selection time will be displayed (yellow LED is on).

The pre-selection time remains on the display for 5 seconds, and then the measured temperature is displayed (basic status).

- Other functions of the ON/OFF pushbutton (held down for less than 1 second)
First press, adjustment of pre-selection time. Yellow LED flashes.
Second press, adjustment of switching-on time. Yellow LED is on.
Third press, adjustment of target temperature. Green LED flashes.
Fourth press, display returns to measured temperature.

2. Adjusting times and temperatures

- Adjusted with +/- pushbuttons when the desired function is displayed.

3. Light in sauna room

- Light is switched on and off by pressing the pushbutton.
The button does not control the LEDs.

4.2 Signal lights

4. Green light = light on in sauna room
5. Green light = on when measured temperature is displayed.
Flashes when target temperature is displayed.
6. Yellow light = on when switching-on time is displayed.
Flashes when pre-selection time is displayed.
7. Red light = on until target temperature is reached for the first time.

4.3 Error messages

- ERR1= a break in the sensor circuit
- ERR2= a short-circuit in the sensor circuit
- ERR3= a break in the overheat protector's current circuit
(The overheat protector can be reset with the reset button in the sensing element.)

4.4 Technical data of control unit

- Temperature adjustment
range 40°C-115°C
- Temperature display 20°C-115°C
- In increments of 1°C
- Pre-selection time max. 24 h
- Steps
0-1h: every 15mins
1-24h: every 30mins

NOTE! If an error message is displayed, switch off the sauna stove.

5. TECHNICAL DATA

5.1 Upper board

- enclosure class IPX4
- the control unit can be installed in the sauna or in the dressing room

5.2 Lower board

- voltage 400 V 3N 50 Hz
- current 16 A
- stove wattage max. 9 kW
- sauna light max. 100 W
- enclosure class IPX4
- overheat protection 144°C
- Protection 1 1A
- Protection 2 1A

6. HEATING THE SAUNA

- Pre-heating
 - first time: 15mins
 - second time: 30mins. Let the stove cool off between heatings.

7. VENTILATION IN THE SAUNA

- The ventilation in the sauna should be as efficient as possible in order to ensure a sufficient oxygen level and freshness of air.
- For best results, use a ventilating air pipe of about 100 mm in diameter to bring fresh air directly from outside to the space above the sauna stove.
- The distance between the sensing element and ventilating air pipe must be at least 1000 mm or, with a directional fuse, 500 mm..
- Fresh air can also be led near the sauna stove, to the side of it or under it.
- When connecting the fresh air supply, it is important that the air is mixed with the sauna air and steam.
- Exhaust air is led out as far from the supply air as possible.
- The exhaust air valve can be under the sauna bench.
- Exhaust air can be led from the steam room through the washroom, for example, underneath the door. The distance between the underside of the door and the floor must be about 100-150 mm.

8. CONSTRUCTION OF SAUNA

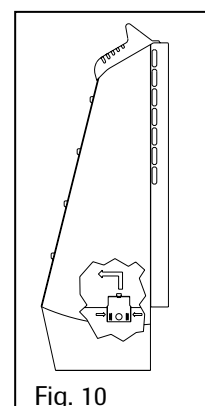
- The sauna shall be well heat insulated, particularly the ceiling, where most of the steam rises. Due to the high level of humidity, the heat insulation should be covered with moisture-proof material, such as aluminium paper. Wood should always be used for cladding.

9. PROTECTIVE RAILING

- If required, a protective railing can be built round the stove. The indicated safety distances to inflammable structures must be observed.

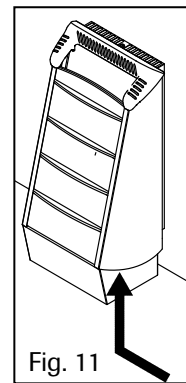
10. CHANGING THE LED LIGHTS

- Lift up the lamp holder and pull towards the front of the sauna stove the holder will come out of the box.
- Gently lower the led holder from between the covering and the box
- Change the led light.
- Lift the holder to the fittings, push back, and pull the holder down, locking it onto the fittings.

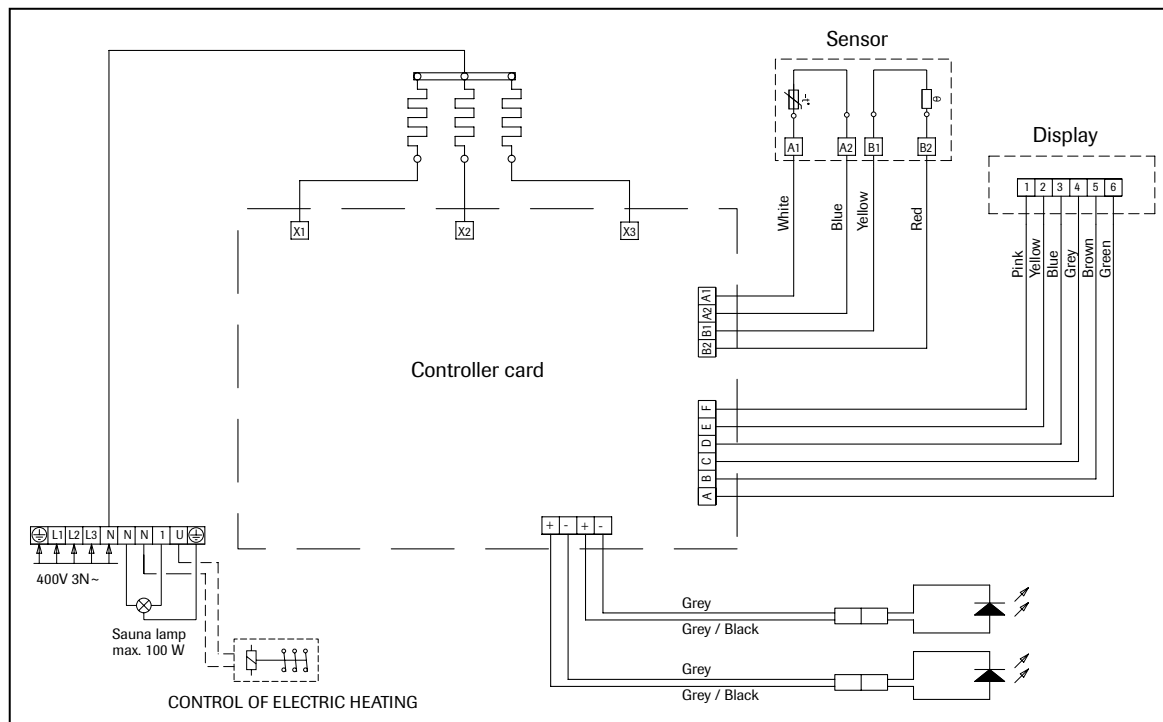


11. ELECTRONIC SWITCH ON/OFF SWITCH

- The main current switch for the sauna stove is at the base of the sauna stove (see fig. 11).



12. DIAGRAM OF CONNECTION:



During the insulation resistance measurement of the sauna heater, the heater might leak. This is due to the dampness that has seeped the insulator material of the heating resistors during storing or transportation.

The resistors will be dry only after they have been warmed up a few times.

Do not switch the electrical sauna heater on using the fault current switch!

This appliance is not intended for the use of children or other people, whose physical, sensory or mental abilities, or the lack of experience or knowledge prevent them from using the appliance in a safe manner, unless a person responsible for their safety is monitoring them and has instructed them on how to use the appliance.

Children must be monitored to keep them from playing with this appliance.