



FIREPLACE STOVE

For occasional use

ORIJENT, ORIJENT K



**OWNER'S MANUAL
INSTALLATION AND OPERATION**

0. GENERAL INFORMATION

It is generally necessary to comply with applicable national building rules and regulations applying to fireplaces, and all relevant local, national, and European standard and regulations.

Important to read before use:

- In order for your fireplace stove to function properly, it is important that you read our manual carefully and comply strictly with instructions contained here.
- Use only the recommended types of fuel. Regulation 1. BImSchV referring to approved list of fuels is to be followed.
- Necessary pressure difference (draft) in normal working load should be approximately 12 Pa. When pressure exceeds 15 Pa, built-in flue damper control should be used.
- Sufficient fresh air incoming to the fireplace hearth should be ensured in the room in which the fireplace is to be positioned. If windows and doors are tightly sealed or if other devices, such as exhaust fans, clothes dryers, venting systems or other such devices exhaust air from room with fireplace, then fresh combustion air should be supplied from outside if needed. In this regards, before installing fireplace, consulting authorized organization dealing with chimney safety is necessary in any case.
- No inflammable material should be stored in ash can. Ashes should not build up above the height of lateral sides of the ash can.
- Door of hearth and ash compartment should always be closed (except when starting fire, adding woods and removing ashes) in order to prevent warm air to be drawn out of the fireplace opening.
- Fireplace stove must not be altered, unless change is done with our offered and verified original parts of equipment, and if works are carried out by qualified service team of our factory.
- In case of fire in chimney, door of stove should be closed and outside air kit shut! Never extinguish chimney fire with water. Water steam creates in strokes in chimney, which can cause explosion. In case of chimney fire call fire brigade!
- In case of a problem, close all air ducts and do not add fuel to stove until problem is solved!

1. Fireplace stove technical data

- Width	470 mm
- Depth	360 mm
- Height	980 mm
- Nominal heat power	6 kW
- Chimney pipe connection diameter	Ø 150 mm
- Stove weight	98 kg
- Use of chimney	multiple
- Waste air current	seasoned wood: 8,4 g/s lignite briquette: 4,7 g/s
- Waste air temperature	seasoned wood: 335° C lignite briquette: 340° C
- Necessary pressure difference:	seasoned wood: 12 Pa lignite briquette: 12 Pa
- CO2 content :	seasoned wood: 6,82 % lignite briquette: 10,77%

2. Fireplace description

Fireplace stove differs from other solid fuel stoves in structure, design and certain parts. Fireplace stove is made of sheet-metal. Cast iron grate enables easy maintaining and cleaning. Fireplace stove door is made of sheet metal and equipped with sealing all around to ensure hermetic tightening for proper operation.

Outside surface of the fireplace is made of steel plates 4 mm and 2 mm wide. Hearth is made with replaceable fire clay plates. Hot outside surfaces radiate heat, especially through glass surface. Fresh combustion air ducts are located on the fuel door and ash can door, as well as on the back side of the fireplace furnace.

2.1 Air control

Outside air control is located on fuel door of the fireplace.

Primary air control duct on the lower part of fuel door allows ignition and fuel combustion.

Ash compartment should not be over filled. In order to allow free flow of air, ashes should be removed regularly. Secondary air control duct is located on the upper part of fuel door. Secondary air supplies oxygen needed for clean combustion. Additional fixed secondary air nozzle is located on the back side of fireplace.

Secondary air ducts must not be closed. Bad oxygen inlet causes lamp black deposits on glass and increases harmful emissions, which could cause lamp black fire in chimney.

3. Handling and use

3.1 Firing

Fireplace surfaces are hot during fireplace operation. Touching them may cause burns.

Handles of control kits (air control, doors) are hot during fireplace operation: when handling fireplace please use the included protective glove.

Before starting the first fire, check if restoring panel (figure 2) is in the proper position and if ash can is empty and inserted in its position.

Before starting fire, ensure that air control duct is open. Start fire with paper and chippings. Light the paper.

Color on the fireplace hardens completely after few hours of fire. Odors and smoke are released during initial operation. Ensure proper air circulation. Open doors and windows. If needed turn on a fan for better air circulation. Maximum temperature load should be maintained for at least one hour. If maximum temperature is not obtained during initial operation, odors and smoke may occur again later.

Pregnant women and children should not be in the room during the initial operation. When chippings establish hot bed of embers, open door and add fuel in the hearth enough for nominal heat power and adjust air control according to type of fuel.

Fuel	Seasoned wood	Lignite briquettes
Volume	1,85 kg	1,7 kg
Form of fuel	2 logs	3 whole cubes
Operation time	1 h	1,25 h
Primary air	25 mm	max.
Secondary air	max.	max.
Max. intake	1,85 kg/h	1,4 kg/h

To keep glass free from lamp black deposits as long as possible, place logs with cut side away from glass.

Color should not be touched during hardening and no objects should be put on the fireplace too, to avoid color damaging. The hearth is made of fireclay panels which accumulate heat and radiate it back to the hearth, increasing thus combustion temperature.

Add smaller quantity of fuel in the hearth during transition period, when temperatures are not very low.

Bad chimney draft may cause operating problems, leading to incomplete outtake of smoke and gas. This necessitates starting fire in chimney, and if this step does not create necessary draft in the chimney, fireplace operation is not allowed due to safety reasons.

3.2 Safety measures

Never use water to extinguish fire. Fireplace stove must be placed on surface with sufficient bearing power. Otherwise, appropriate measures on load distribution should be taken.

Fireplace stove must not be placed on flammable grounds. Floor must be made of inflammable material such as sheet metal plates or ceramic plates or similar. The ground surface must extend minimum 60 cm in front and 30 cm around fireplace.

Clearances between fireplace and surrounding walls must be minimum 30 cm.

Clearance to flammable objects must be 80 cm around fireplace (radiation zone).

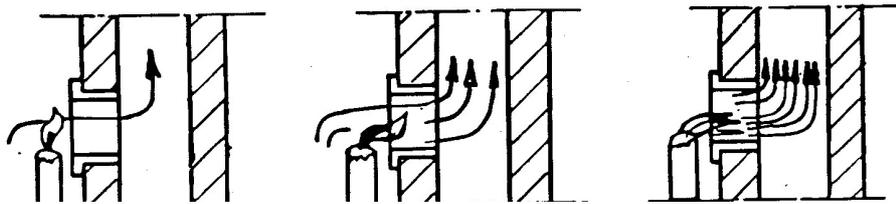
Odors may occur in the radiation zone during initial operation, but will disappear few hours later, when color hardens completely.

When starting operation, fireplace color is still soft. Do not wipe fireplace with clothes or place any objects on it.

Discharge ashes in a metal or other inflammable container intended for this purpose solely. Seemingly cold ashes may be warm even few hours later.

4. Installation of fireplace stove

For proper installation of fireplace, chimney draft should first be checked. Good chimney draft is a condition for proper operation and use of fireplace. Chimney draft can be easily tested with a lighted candle (see figure 1).



Insufficient chimney draft

Good chimney draft
Figure 1

Very good chimney draft

Chimney draft depends on the following:

- Condition of chimney
- Environmental conditions (season),
- Condition of fireplace and condition of other hearths connected to the same chimney
- Position of the house comparing to surroundings (on a hill, in a valley or in a gap)

If chimney draft is insufficient this will cause bad combustion and lamp black deposits on glass.

5. Fireplace maintenance

Whole fireplace stove should regularly be checked by a competent personnel. Hearth, chimney pipes and chimney must be cleaned regularly, several times per year and at least once during heating season.

When removing lamp black, restoring panel in fireplace should be removed (figure 2)

Operation of the fireplace stove depends on proper positioning of restoring panel. When cleaning is finished, the panel should be returned to its original position. Junctions and closing devices should be controlled.

Grate should be cleaned regularly in order to guarantee its functionality. Lamp black deposits on hearth glass should be prevented.

Lamp black creates during operation due to the following reasons:

- Insufficient chimney draft (bad chimney)
- Improper operation of furnace, eg. oxygen intake is terminated too early.

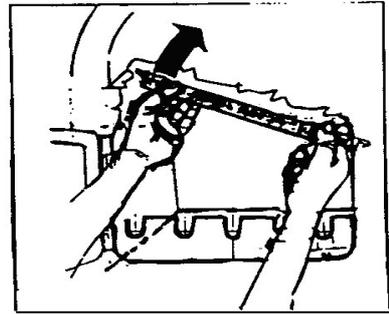


Figure 2

We have no influence on the mentioned issues and can offer no guarantee for clean glass. To keep glass as clean as possible, place logs with cut side away from glass. The higher combustion temperature, the less non combusted particles in outlet smoke and gas.

Fireclay panels are easily replaceable. Fireclay panels may be damaged by mechanical influence and shocks. If cracks occur, fireclay panels need not be replaced immediately. Replacement is needed only when metal parts can be seen through these cracks.

Outside surfaces of the stove should be cleaned with dust brush or dry cloth. Do not use water or wet cloths.

6. Installation of ceramic lining on the fireplace

Figure 3 shows sequence of steps in installation of ceramic tiles on the stove made of thick sheets.

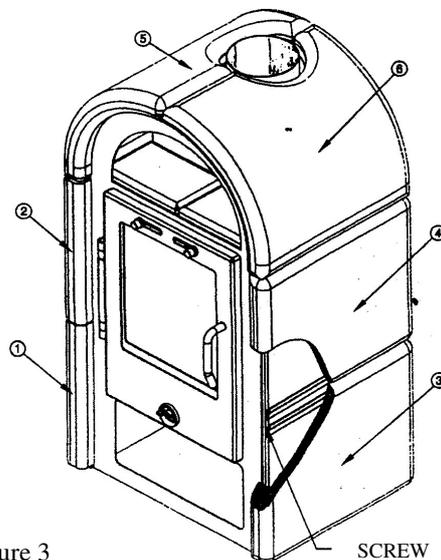


Figure 3

SCREW

NOTE: Ceramic panels are numbered from 1 to 6 on the internal side. Installation should be done in that order, as shown in figure 3.

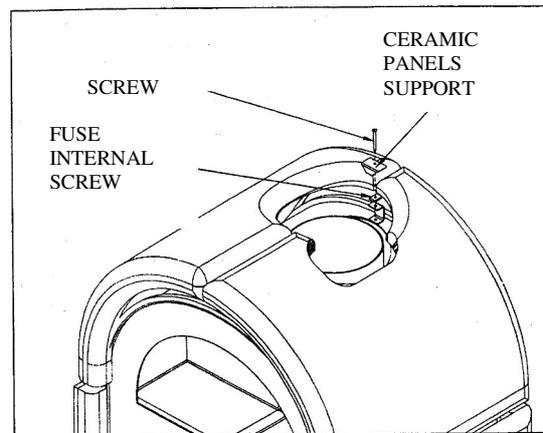


Figure 4

Figure 4 illustrates how ceramic panels should be affixed with screw, ceramic panel support and internal screw of fuse, provided separately in bag with instructions.

7. TIME OF GUARANTEED SERVICING

This implies the period during which we guarantee the service, accessories and space parts, starting from the day of purchase of the device.

The time of guaranteed servicing is in accordance with the valid legal regulations.

In case of change of the model and the design of the device, the term for change of parts that have modified design is within the legal term.

After this term we provide the modified parts in the new designs.

7.1 CONDITIONS OF THE GUARANTEE

The guarantee of the product is valid within the legally defined term.

The guarantee is not valid for the glass, the glass-ceramic panel and the physical damages that have occurred after purchase.

THE MANUFACTURER RETAINS ALL THE RIGHTS TO MAKE CHANGES.

The device will properly function within the guaranteed term only if it is used in accordance with these guidelines for connection and application.

The guarantee cases to apply if it is determined that:

- the connection or the repair of the product was performed by an unauthorized person, that is, if unoriginal parts have been embedded,
- if the device has not been properly used in accordance with these guidelines,
- if some mechanical damaging of the device occurred during usage,
- if the repairs of defects were performed by an unauthorized person,
- if the device has been used for commercial purposes,
- if the damage has occurred during transportation after the device was sold,
- if the defects occurred due to improper mounting, improper maintenance or mechanical damaging by the buyer,
- if the defect occurred after too strong or insufficient power, as well due to force major.

We can repair the defects of Your device also outside the guaranteed period, with original spare parts for which we also provide a guarantee under the same conditions.

This guarantee does not exclude or affect the rights of the customer in regard to the conformity of the goods pursuant to the legal regulations. If the delivered product does not conform to the agreement, the customer has the right to ask the seller to repair that lack of conformity without any reimbursement, by repair or change of the product in accordance with the valid legal regulations.