



USER MANUAL FOR

MULTIPURPOSE WOOD STOVE

TYPE:

☐ Special 90GE



EN 12815:2001, EN 12815:2001/A1:2004

Household appliances production company
s.Krivolak p.f. 77 1440 Negotino Macedonija
tel/tel +38943368501 ; +38943368703 , fax/faks: +38943368616

DECLARATION OF CONFORMITY

We hereby declare that this products meets all relevant criteria of the standard **EN 12815:2001, EN 12815:2001/A1:2004** and has marking **CE** affixed to it

KOPER d.o.o.

s. Krivolak, p.o.box 77, 1440 Negotino, Macedonia

Intermittent burning appliances.



EN 12815:2001, EN 12815:2001/A1:2004

Solid fuel fireplaces

Type: **Special 90GE, Special 90G, Special 90, Special 70**

Minimum distance to adjacent combustible materials: [mm]

Front: **450** Side: **200** Back: **200** Top: **450**

Characteristics	Special 90GE	Special 90G	Special 90	Special 70
Emission of CO incombustion products calc. to 13%O ₂ :	0,1302 [%]	0,1231 [%]	0,1123 [%]	0,1325 [%]
Flue gas temperature:	216 [°C]	216 [°C]	223 [°C]	235 [°C]
Nominal heating power:	5 [kW]	9,5 [kW]	8,6 [kW]	7 [kW]
Maximum heating power:	19 [kW]	10,5 [kW]	9,6 [kW]	8 [kW]
Water heating output	13 [kW]			
Energy efficiency (fuel):	74,6 [%]	76,5 [%]	74 [%]	73,5 [%]
Pipe outlet dimension:	φ 150	φ 150	φ 120	φ 120
Chimney draught minimum:	10	10	10	10
Color	White, black, brown	White, black, brown	White, black, brown	White, black, brown
Fuel type:	Wood/Coal	Wood/Coal	Wood/Coal	Wood/Coal

Read and follow the operating instructions. Use only recommended fuels.
The above mentioned values are valid only in proof conditions.

DIMENSIONS W x D x H (mm):

Special 90GE: 910x580x750,

Special 70: 730x550x750,

Special 90G: 910x570x750,

Special 90: 910x570x750,

WEIGHT (kg):

Special 90GE: 94;

Special 70: 80;

Special 90G: 96;

Special 90: 94;

Capacity of heating (m3):

Special 90GE: 225-235,

Special 70: 90-100,

Special 90G: 120-135,

Special 90: 110-120,

FUEL STORAGE DIMENSION W x D x H (mm):

Special 90GE: 270x400x340;

Special 70: 220x440x270;

Special 90G: 290x420x340;

Special 90: 220X440X270;

CAUTION



DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

WARNING



If the information in these instructions is not followed exactly, a fire may result causing property damage, personal injury, or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Do not overfire - If heater or chimney connector glows, you are overfiring. Overfiring will void your warranty.
- Comply with all minimum clearances to combustibles as specified. Failure to comply may cause house fire.
- **Installation and service of this appliance should be performed by qualified personnel.**

WARNING



HOT SURFACES!

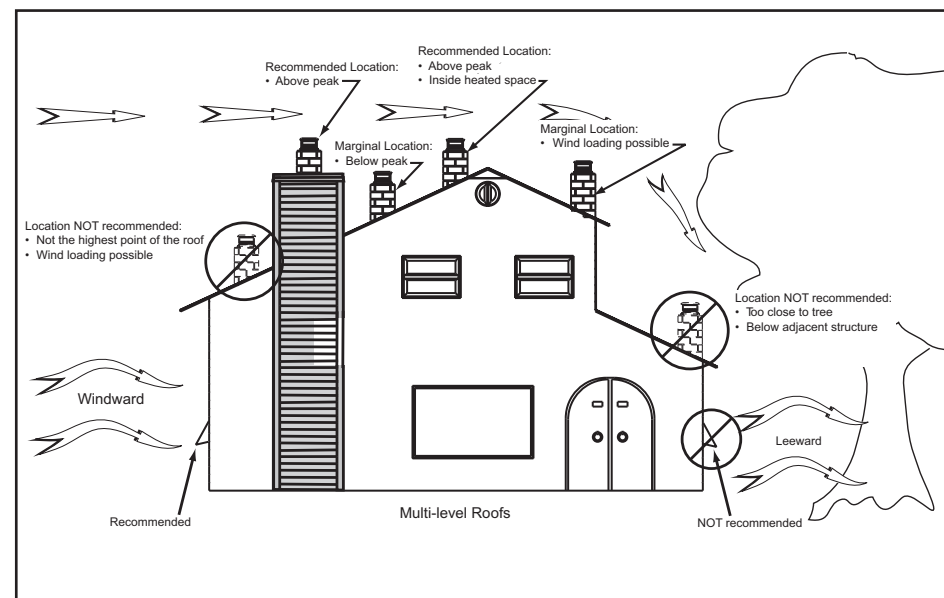
Glass and other surfaces are hot during operation AND cool down.

Hot glass will cause burns.

- Do not touch glass until it is cooled
- NEVER allow children to touch glass
- Keep children away
- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

High temperatures may ignite clothing or other flammable materials.

- Keep clothing, furniture, draperies and other flammable materials away.

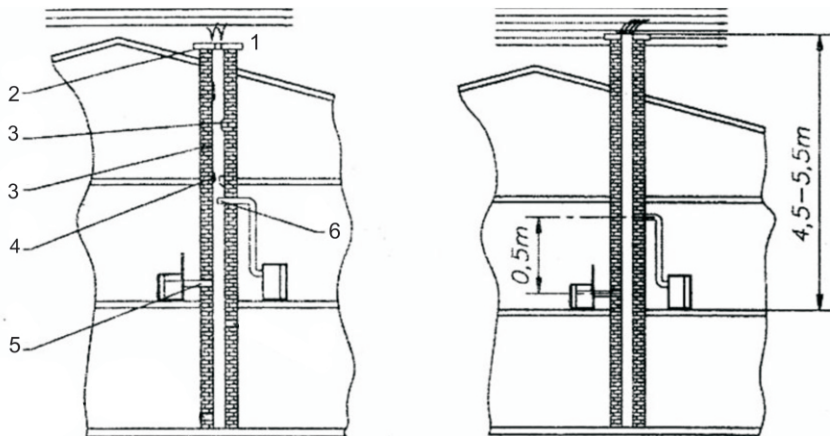


USE AND TECHNICAL DESCRIPTION

Stove on wood and briquettes for heating is a device that can warm up the room just for a short time. Intended for local heating by convection and radiation or depending from stove model with built-in boiler for central heating. It is made of quality materials. The firebox is covered with steel sheet, grid air entry and moving the ashes in the ashtray, and with bricks inside the firebox that are resistant to high temperatures or with boiler inside depending on the model. The door of the firebox is isolated by glass seal. Fire resistant glass allows the transmission of heat from the firebox to environment with radiation, and provides a special visual effect. Air regulators allows fine regulation of the intensity of the combustion. With its great-looking stove fits in any residential space. It features with simple operation and maintenance. Fill up the firebox with fuel several times per day. The fuel burns with shiny sparkly flame which achieves good effect of heat and high utilization. The glass on the front of the stove provides a pleasant view and increases the thermal effect ("Optical heat") and long winter nights makes it very pleasant.

SETTING THE STOVE AND CONNECTING TO CHIMNEY

The stoves are delivered on the pallet. It is desirable to remove the packing at the place of stove installation. The chimney connection is possible from the top of the stove. The stoves are delivered with flue collar. When you take the stove out of the wrapping material, examine the stove well in order to discover damage from transport. Immediately complain about noticed damages, because later we will not be able to accept them. The stove should be put on the anticipated place in horizontal position.



The attachment for the chimney should be made with sheet iron pipes and cranked with diameter 118 mm, such as the assembled parts be carefully assembled. More than two cranked parts on 1 m pipe assembled is not good.

The wall of the chimney should be at least half brick deep. The stove must be assembled on a suitable chimney i.e. so as the cross section of the canal is 14 x 14 cm (half brick), height of 4 m, well mortared inner and outer surface and without flaws such as :

- 1 - The windshield has not been well made i.e. there comes to muffling the currents.
- 2 - The chimney is lower than the highest part of the house or the next wall, and similar, which causes negative act of the wind (the smoke goes back).
- 3 - Foreign body or blocked chimney which causes reducing of the canal and bad drought.
- 4 - Layers of smoke and pitch in the chimney
- 5 - The chimney has not been sufficiently mortared so there are unfulfilled cracks and openings.
- 6 - The wall which separates the two canals in the chimney has been damaged and is leaky.
- 7 - The door of the chimney has been badly closed or non-existent

In case of two stoves attached on the same chimney on the same level, the openings for attachment should be moved by height approximately for 500 mm. The pipe must not enter the free diameter of the canal (6). The flue pipes (elbows) should be placed on the flue collar in a firm and airtight manner. In the same manner they should be joined to each other as well as to the chimney. The stove shall be installed in full compliance with applicable European, national as well as local regulations.

ROOM CONDITIONS

Very near the stove should not be wooden parts of furniture or refrigerator, because the side boards of the stove heat the environment intensively. If the floor in the room, where the stove is to be installed, is made of an inflammable or temperature sensitive material, the stove must be placed on a noncombustible pad. The dimensions of the pad should be larger than the stove ground plan: laterally and at the back by 20 cm and in front of the stove by 40 cm. A minimum distance from the temperature sensitive materials laterally and at the back should be 20 cm. The temperature sensitive materials in the zone of direct heat radiation in front of the stove require a distance of minimum 60 cm. The stove must be placed on a horizontal surface. In the room where the stove is installed a sufficient amount of the fresh air for combustion must be ensured. If an aspirator or any other air consuming device is installed in the same room, make sure to provide for regular inflow of fresh air through a separate opening protected with a clog-proof grid.

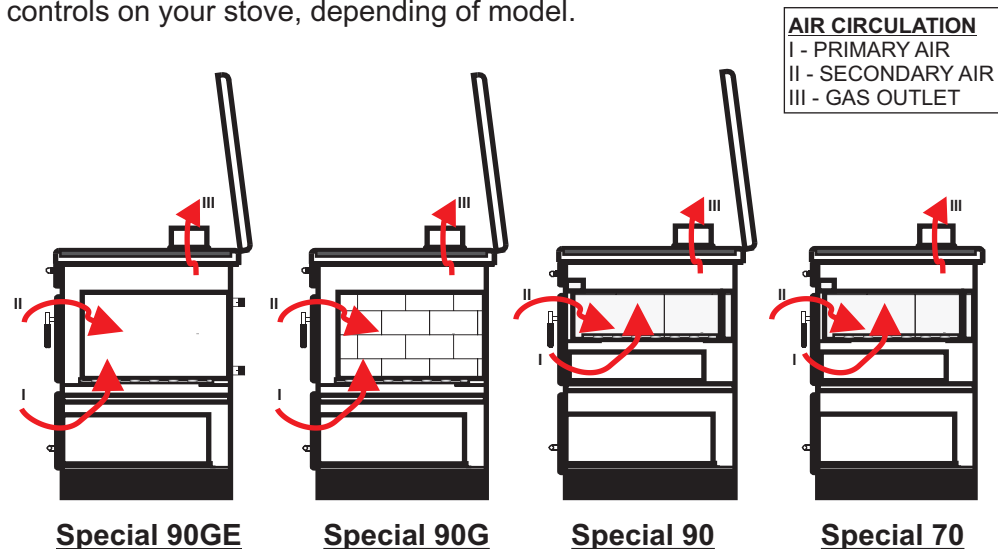
FUEL

The stoves are designed for various kinds of fuel, namely for wood, wooden briquettes. Stoke your stove with dry wood only. If stoking with wet wood, a fat soot will be produced that may cause clogging of the chimney. Fill up the firebox from 5-6 times per day with wood and wood briquettes with dimensions not less than 26cm. Do not burn any waste, especially no plastic materials.

Many waste materials contain harmful substances, that may be detrimental for the stove, the chimney and the environment. Also, do not burn remains of chipboards, chipboard contains glues that may cause overheating of the stove. Make sure not to exceed recommended fuel loads. Excessive fuel loads may cause overheating and damages, which are excluded from the Warranty.

ACTION BEFORE THE FIRST FIRING

To start a fire, use a rolled newspaper and dry wood splinters (kindlings). Feed a moderate fire. Make yourself familiar with the operation of the air controls on your stove, depending of model.



The stove is painted with a temperature resistant paint and some of the elements of the stove are enameled. When you stoke your stove for the first time, black paint will harden gradually that may produce smoke and a characteristic odour. For this reason, ensure a good ventilation of the room. Before the first lighting, with soft duster wipe all the painted surfaces in order not to burn the possible dirt and yellow color to appear. Control the rightness of functioning of the lever. Open the air controls fully and let the kindlings to start burning. Do not leave your stove without the control before the fuel has started to burn well. In normal operation, the door on the stove must be closed. The door of the firebox opens in that way so that it is first lifted and then pulled towards your self. When setting fire you should keep the lever open. When the fire gets stronger you may close it. The first setting fire should be light because hasty overheating of the boards can cause breaking or deformation. Keep in mind that certain parts of the stove are hot and the stove shall be operated only by adults. Door and the ashtray on the stove must be closed in normal operation and they only can be opened when firing, placing fuel in stove and cleaning the stove. Use protective glove.

USE OF THE STOVE AND ADAPTING FIRE

The satisfaction with functioning of the fire-place at use depends on the quality of the fuel (it should be well dry), the quality of the chimney, well adjusting of the strength of the fire , the position of the lever and of how clean the stove is. The strength of the fire is adjusted by enhancing the quantity of fuel in the firebox. The quantity of air is adjusted with air regulators which depending on the model of the fireplace can be located on different locations. If smoke comes from parts of the fireplace or the door, then put the lever from the flue collar in a position between the vertically and horizontally. If this happens, it means that your chimney does not have good capacity. During normal operation, the primary air supply control should not be fully open, in order to avoid stove overheating and damage.

To repeat the most important hints

1. Do not allow the fire to smolder. When stoking your stove, load the amount of fuel corresponding to the heat required at that moment.
2. At every stoking, open the air control fully until the fire bursts into flames. Only then you can put the air control in the position for the desired thermal power.
3. Adhere strictly to these technical instructions, for it is in your interest.
4. Install the stove in a room of adequate size, taking care that the heat required corresponds to the stove nominal power.
5. In case of wood burning, it is advisable to keep the air control in the position of 1/2 to max. In this way, the fuel will burn cleanly and there will be no unnecessary pollution of the environment.

FIRE MAINTENANCE OVERNIGHT

Put 2-4 briquettes on the existing embers. Wait for the fuel to start burning. Then put air controls to minimum.

CLEANING AND MAINTENANCE

Clean the outside boards with damp duster when they are cold. Make sure you do this when you feel that the stove is working with difficulty. When hard fuel is used for the stove, a large amount of tar and soot are stored in the firebox and chimney of the stove. Every millimeter of these deposits reduces heat conductivity by 5%. It is therefore recommended daily cleaning of ash and uncombusted substances from the area around the firebox. Most of the ash ends up in the ashtray. Ashtrays should not be crowded because it prevents the flow of air needed for combustion of fuel. Also each season stove and flue pipes need to be cleaned from the layers of soot. The firebox door glass on the stove can be cleaned when cold with a cleaning agent for window glass. If the glass becomes darker, that may happen in the initial phase of the stove use, it can be cleaned with a dry cloth while not too hot. In case of any problems in the stove operation, contact your chimney sweeper or the closest repair and maintenance workshop. Any repair/maintenance works on the stove shall be

performed by authorised service personnel and only original spare parts from manufacturer shall be used. During regular operation, particularly if wet fuel is used, soot and tar deposits may be created. Regular chimney inspection is essential for preventing the risk of chimney fire. In that case proceed as follows:

- Never use water to extinguish the fire
- Close all air supply passages to the stove and chimney
- Having extinguished the fire, call the chimney sweeper to inspect the chimney
- Call the manufacturers authorised service to inspect the stove

USE OF OVEN

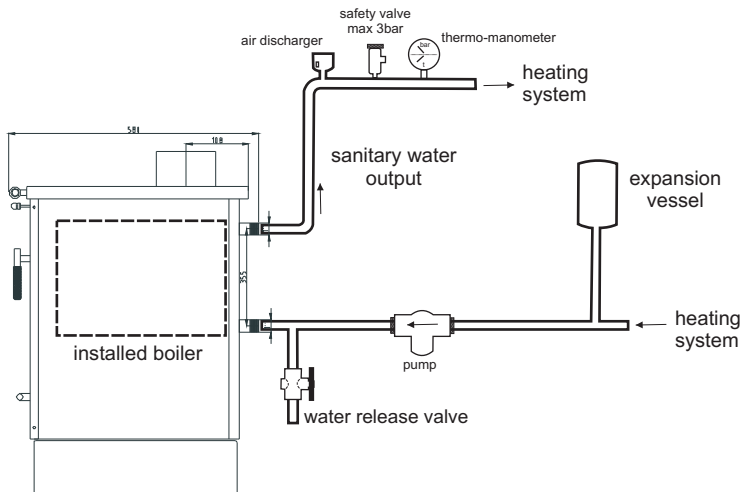
When you want to use the board for cooking, draw the lever towards yourself. It is visible that the flame and the smoke gasses mostly will pass under the board which has been well heated. When you want to bake in the oven, move the lever towards inside. The smoke gasses will pass under the oven now and will heat it well. If you have a weaker chimney, and the oven bakes weakly, you can make it better if you put equally a layer of ashes on the steel sheet under the oven in height of the tinplate ribs. The access is possible from the space under the oven. Inside of oven is good to be cleaned after every use. Cleaning of surfaces can be made using hot water and detergent. Do not use (tools, abrasives or steel wire when you clean to not destroy the surfaces.

KINDLING A FIRE AND REMARKS FOR DANGER

Never use spirit, petrol or another liquid fuel to kindle a fire. Do not keep any inflammable liquids near the stove. If at lighting fire you do not use oil or petrol, but you only use hard fuel, the stove will be tested safe home device.

COMPLAINTS

Complaint of estimated flaws or bad function of the stove according to the instructions and the warranty page with list of authorized repairmen. During the lifetime of the product (6 years) we assure supply of spare parts . You can purchase them in our service or directly in the factory.



PROCEDURE OF INSTALLATION BOILER IN FIREPLACES

Stoves can be installed (optional) with built-in boiler for central heating. This system for central heating must be mounted by the professional person authorized for installation and performance of hot water heating systems. For any damage caused by incompetent installation performed, the factory is not responsible for the consequences and warranty in this case does not apply. At the back of the Stove is located pipes for water inlet and water output.

THE CHIMNEY IS MOST IMPORTANT

For good work of each stove with boiler for central heating is very important properly chosen chimney. If problems occur such as: smoking from the firebox, can not achieve the desired temperature of water in the boiler, in greater quantities of soot and tar on the walls of the firebox, usually the chimney is reason which is not exercised a strong enough draft and pressure in firebox. As a result, incomplete combustion occurs that affects significantly in reducing fuel usage, emissions of flue gases are increased. In these circumstances you need more cleaning the chimney and stove.

CAUTION!!!

Use the Stove for central heating without thermal valve is dangerous. You must be careful on the system pressure when filling the boiler with water.

NOTE:

IT IS MANDATORY INSTALLATION OF SAFETY VALVE. OTHERWISE
FACTORY NOT RECOGNIZE THE WARRANTY AND DOES NOT ACCEPT
ANY CONSEQUENCES OF THE IRREGULAR CONNECTION OF THE
STOVE

GENERAL NOTES FOR STOVE WITH BOILER

Working pressure of heating system must not be over 2,5 bars. It is recommended 1,6-1,8 bar working pressure for the stove. Before lighting the stove remove the air from the system with pump in period from 30-40 min. First lighting of the stove should be with a small amount of fuel so stove can be adjusted to the new temperature.

WE RESERVE THE RIGHT FOR CHANGES WHICH HAVE NO INFLUENCE
OF THE FUNCTIONALITY AND RELIABILITY OF APPLIANCE

“ KO-PER “ factory for production of households appliances coupon 1

- 1.PRODUCT _____
- 2.DATE OF PRODUCTION _____
- 3.SEAL AND SIGNATURE OF THE SALESPERSON _____
- 4.SERIAL NUMBER OF PRODUCT _____

“ KO-PER “ factory for production of households appliances coupon 2

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- 4.SERIAL NUMBER OF PRODUCT _____

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- 1.PRODUCT _____
- 2.DATE OF PRODUCTION _____
- 3.SEAL AND SIGNATURE OF THE SALESPERSON _____
- 4.SERIAL NUMBER OF PRODUCT _____

WARRANTY STATEMENT

“ KOPER “ Factory for production of households appliances guaranties that in time limit of 12 months from the date of selling to the final buyer

- The product will function properly if the buyer sticks to the technical manual
- Freely will remove all the flaws which have been made by correct use of the product as well as the possible factory flaws.

THE WARRANTY IS VALID

- If the warranty page and coupon are filled correctly and confirmed by the sales assistant with a seal.
- If the buyer has original receipt by the sales assistant.
- If the buyer handled the product according to the instructions for use , and it has not been repaired by an unauthorized person.
- If our service has been notified for malfunction of the product or that notification is registered submitted into post office in the warranty period.

THE WARRANTY IS NOT VALID

- If the buyer has no certified warranty page and receipt from the sales assistant.
- If the warranty period is over.
- If the product has been damaged on purpose or by violation of the regulations for use or the product has been damaged by high power (bad weather and similar).
- If the fuel does not correspond to the fuel stated in the regulations for use .
- If the chimney is out of order.

IMPORTANT NOTES

- 1.If the service repairing lasts for more than 15 days we extend the warranty period for time of how long the repairing lasts. If the service repairing lasts for more than 45 days we will replace the product with a new one.