

# INSTALLATION AND USER MANUAL

## BATHROOM STOVE



MIKLOS STEEL STOVE

[www.miklossteel.ro](http://www.miklossteel.ro)



**WARNING! STRICTLY COMPLY!**

Any responsibility of the manufacturer for damage caused by errors in installation or use and failure to follow the manufacturer's instructions is excluded.



Installation must only be carried out by authorised personnel in accordance with the regulations in force and in compliance with the instructions in this manual! It is forbidden to put the bathroom stove into operation without fitting the safety valve and an expansion vessel!



The maximum hot water temperature must not exceed 65°C and the working pressure must not exceed 3 bar. If the pressure in the cold water system exceeds 3 bar, a pressure regulator must be installed!



It is forbidden to use the stove empty or partially filled with water. Using the stove empty or partially filled with water can lead to an explosion! For this purpose, the 6 bar safety valve supplied with the product, which also acts as a directional control valve, must be fitted to the cold water inlet connection!



It is forbidden to replace the safety valve with a larger one (6 bar) or to block it! For correct installation and safe operation, it is recommended to install a second safety valve of maximum 6 bar, see fig.1.



Use the bathroom stove for its intended purpose! Solid fuel (firewood, sawdust briquettes, non-industrial charcoal) is used for heating water. It is forbidden to store flammable objects or materials on or near the stove! The stove may only be used by trained adults and children may not be left unattended around the stove!

**Failure to follow the above requirements will result in loss of warranty !!!**



### **IMPORTANT WARNINGS !TO REMEMBER!**

- Read this manual carefully. This manual is an integral and essential part of the product and must be kept for the duration of the product's operation.
- Once the stove has been placed in its intended operating space, remove the packaging and check that the components are present and intact. Packaging components must not be scattered into the environment or left within the reach of children.
- The boiler operates under pressure and it is mandatory to use the safety valve of max. 6 bar to avoid damage to the boiler or accidents with serious consequences that may occur during operation. The safety relief valve outlet must be connected to an outlet pipe so that there is no risk of accidents due to scalding if it is opened.
- Do not make any modifications to the appliance!
- In case of malfunction, stop operation. Never use the stove if it is not working properly. Never use the stove with removed or defective safety elements. Replace them only with original components.
- Do not carry out cleaning or maintenance operations while the stove is in use.
- The room in which the boiler is installed must be clean, dry and ventilated.
- Do not touch the hot stove with bare hands, use gloves.
- The body of the electric resistance stove must be connected to the protective neutral in order to have grounding and to prevent the danger of electrocution in case of failure of electrical components. It is recommended to fit the automatic circuit breaker with 30 mA differential relay.
- The stove must be placed on a floor made of non-combustible material and no flammable materials must be stored around it! The ceiling and walls must be made of fireproof materials according to the standards in force. FIRE HAZARD!
- The stove must be connected to an appropriately sized chimney for correct operation! No warranty is provided for damage caused by condensation in the chimney!
- The manufacturer reserves the right to make changes without prior notice.



### **! CONDITIONS FOR EXCLUSION FROM THE WARRANTY:**

- The installation has not been carried out by an authorised company or person who is responsible for the installation of the product and who will also train the service personnel.
- Failure to follow the instructions in the technical manual regarding assembly, installation, commissioning, operation and maintenance (see fig.1, fig.2 and fig.3).
- Improper installation (missing safety valves, missing directional valves, missing expansion vessels), and/or installation of a valve between boiler and expansion vessel or between stove and safety valve.
- Blockage, missing of safety valve or replacement with a valve larger than 6 bar.
- Water freezing in the stove.
- Limescale deposits, or other impurities on the stove contact side with the heat source or on the electrical resistance.
- Turning off the supply tap while heating water.
- Using a pressure higher than 3 bar in the water supply network.
- Knocking and bending the stove
- Repairs, replacements, modifications, without the manufacturer's consent.
- Any mechanical deformation (flue pipe strangulation, lid bulging or any bodily deformation) to the stove excludes the granting of the warranty.

## INTRODUCTION

This technical book accompanies each product and contains all the technical and constructional details necessary to know how to assemble, install, operate and use bathroom stoves.

### **Constructive types:**

Kitchen boiler 40L FM

Bathroom stove 70L FM

Bathroom stove 90L FM

Bathroom stove 120L FM

Premium FM 70L stainless steel bathroom stove

Premium FM 90L stainless steel bathroom stove

Premium FM 120L stainless steel bathroom stove

Premium FM 90L stainless steel bathroom stove with spiral

Premium FM 120L stainless steel bathroom stove with spiral

90L FM electric bathroom stove

120L FM electric bathroom stove

90L FM electric stainless steel bathroom stove

120L FM electric stainless steel bathroom stove

70L boiler assembly with economic FM furnace

90L boiler assembly with economic FM furnace

120L boiler assembly with FM furnace

70L stainless steel boiler assembly with economic FM furnace

90L stainless steel boiler assembly with economic FM furnace

120L stainless steel boiler assembly with FM furnace

90L boiler assembly with electric resistance and economic FM furnace

90L stainless steel boiler assembly with electric resistance and economic FM furnace

120L boiler assembly with electric resistance and FM furnace

120L stainless steel boiler assembly with electric resistance and FM furnace

Table of technical and constructive characteristics:

| No. | Product name:   | Gauge dimensions (mm) | Nominal heat output (kW) | Maximum water pressure (bar) | Test pressure (bar) | Max. hot water temp (°C) | Furnace area (m <sup>2</sup> ) | Furnace volume (m <sup>3</sup> ) | Water volume (L) | Chimney connection size (mm) | Fuel type        | Thermal efficiency (%) | Fittings ["] | Mass [kg] |
|-----|---|-----------------------|--------------------------|------------------------------|---------------------|--------------------------|--------------------------------|----------------------------------|------------------|------------------------------|------------------|------------------------|--------------|-----------|
| 1.  | Kitchen boiler 40 L   | 355x355<br>x800       | 3                        | 3                            | 6                   | 65                       | -                              | -                                | 40               | 120                          | -                | 66-71                  | ½            | 24.2      |
| 2.  | Bathroom stove FM 70L   | 365x365<br>x1080      | 4,5                      | 3                            | 6                   | 65                       | -                              | -                                | 70               | 120                          | -                | 66-71                  | ½            | 28.6      |
| 3.  | Bathroom stove FM 90L   | 395x395<br>x1150      | 5,5                      | 3                            | 6                   | 65                       | -                              | -                                | 90               | 120                          | -                | 66-71                  | ½            | 36.7      |
| 4.  | Bathroom stove FM 120L  | 435x435<br>x1150      | 7,5                      | 3                            | 6                   | 65                       | -                              | -                                | 120              | 120                          | -                | 66-71                  | ½            | 45.6      |
| 5.  | Stainless steel bathroom stove FM 70L                         | 365x365<br>x1080      | 4,5                      | 3                            | 6                   | 65                       | -                              | -                                | 70               | 120                          | -                | 66-71                  | ½            | 23        |
| 6.  | Stainless steel bathroom stove FM 90L                         | 395x395<br>x1150      | 5,5                      | 3                            | 6                   | 65                       | -                              | -                                | 90               | 120                          | -                | 66-71                  | ½            | 28        |
| 7.  | Stainless steel bathroom stove FM 120L                        | 435x435<br>x1150      | 7,5                      | 3                            | 6                   | 65                       | -                              | -                                | 120              | 120                          | -                | 66-71                  | ½            | 31.1      |
| 8.  | Stainless steel bathroom stove FM 90L with spiral             | 395x395<br>x1150      | 5,5                      | 3                            | 6                   | 65                       | -                              | -                                | 90               | 120                          | -                | 66-71                  | ½            | 33.6      |
| 9.  | Stainless steel bathroom stove FM 120L with spiral            | 435x435<br>x1150      | 7,5                      | 3                            | 6                   | 65                       | -                              | -                                | 120              | 120                          | -                | 66-71                  | ½            | 35,4      |
| 10. | Electric bathroom stove FM 90L                                | 440x440<br>x1150      | 5,5                      | 3                            | 6                   | 65                       | -                              | -                                | 90               | 120                          | -                | 66-71                  | ½            | 37.5      |
| 11. | Electric bathroom stove FM 120L                               | 480x480<br>x1150      | 7,5                      | 3                            | 6                   | 65                       | -                              | -                                | 120              | 120                          | -                | 66-71                  | ½            | 47.6      |
| 12. | Electric stainless steel bathroom stove FM 90L                | 440x440<br>x1150      | 6,5                      | 3                            | 6                   | 65                       | -                              | -                                | 90               | 120                          | -                | 66-71                  | ½            | 30.5      |
| 13. | Electric stainless steel bathroom stove FM 120L               | 480x480<br>x1150      | 7,5                      | 3                            | 6                   | 65                       | -                              | -                                | 120              | 120                          | -                | 66-71                  | ½            | 32.7      |
| 14. | 70L boiler assembly with furnace                              | 365x365<br>x1490      | 4,5                      | 3                            | 6                   | 65                       | 0,054                          | 0,014                            | 70               | 120                          | solid            | 66-71                  | ½            | 44.2      |
| 15. | 90L boiler assembly with furnace                              | 415x470<br>x1560      | 5,5                      | 3                            | 6                   | 65                       | 0,062                          | 0,014                            | 90               | 120                          | solid            | 66-71                  | ½            | 63.9      |
| 16. | 120L boiler assembly with furnace                             | 470x470<br>x1550      | 7,5                      | 3                            | 6                   | 65                       | 0,09                           | 0,018                            | 120              | 120                          | solid            | 66-71                  | ½            | 75.4      |
| 17. | 70L stainless steel boiler assembly with furnace              | 365x365<br>x1490      | 4,5                      | 3                            | 6                   | 65                       | 0,054                          | 0,014                            | 70               | 120                          | solid            | 66-71                  | ½            | 43        |
| 18. | 90L stainless steel boiler assembly with furnace              | 415x470<br>x1560      | 5,5                      | 3                            | 6                   | 65                       | 0,062                          | 0,014                            | 90               | 120                          | solid            | 66-71                  | ½            | 57.8      |
| 19. | 120L stainless steel boiler assembly with furnace             | 470x470<br>x1550      | 7,5                      | 3                            | 6                   | 65                       | 0,09                           | 0,018                            | 120              | 120                          | solid            | 66-71                  | ½            | 60.9      |
| 20. | 90L electric boiler assembly with FM furnace                  | 440x440<br>x1550      | 5,5                      | 3                            | 6                   | 65                       | 0,062                          | 0,014                            | 90               | 120                          | solid + electric | 66-71                  | ½            | 64.7      |
| 21. | 120L electric boiler assembly with FM furnace                 | 480x480<br>x1550      | 7,5                      | 3                            | 6                   | 65                       | 0,09                           | 0,018                            | 120              | 120                          | solid + electric | 66-71                  | ½            | 77.4      |
| 22. | 90L electric stainless steel boiler assembly with FM furnace  | 440x470<br>x1560      | 5,5                      | 3                            | 6                   | 65                       | 0,062                          | 0,014                            | 90               | 120                          | solid + electric | 66-71                  | ½            | 57.7      |
| 23. | 120L electric stainless steel boiler assembly with FM furnace | 480x480<br>x1550      | 7,5                      | 3                            | 6                   | 65                       | 0,09                           | 0,018                            | 120              | 120                          | solid + electric | 66-71                  | ½            | 62.5      |

## 1. PRODUCT DESTINATION

Bathroom stoves are intended for equipping bathrooms, for heating rooms and producing household hot water at temperatures up to 65°C in family homes. The heat sources that can be used for this bathroom stove are:

- wood fuel combustion in the furnace
- and/or the heat given off by an electric resistance positioned inside the boiler's storage tank.

Spiral bathroom stoves may be operated with a coil as follows:

- 1- producing household hot water by connecting it (the coil) to a central heating stove,
- 2- connecting the coil to a radiator by fitting a recirculation pump to ensure heating of an adjacent room without interrupting the household hot water. The maximum heat load per coil (the sum of the radiators that can be installed) is 2 kW.

Bathroom stoves are intended for operation in:

- temperate climate N according to STAS 6535
- operating category 3 according to STAS 6692
- temperature during use: min +1° C to max +40° C.
- degree of aggressiveness of the atmosphere – heavy

### Characteristics of stoves

Constructive and functional characteristics : see table on page 5

Remarks: the average operation of the stove and fireplace must be at least 2 hours (the definition of average operation is according to ISCIR instructions).

## 2. USED FUEL

- firewood STAS 2340
- charcoal briquettes for non-industrial purposes STAS 8729
- brown coal and brown coal-lignite for non-industrial purposes
- sorted lignite
- electricity ( 230 V ) - in the case of electric resistance boilers

Important!!! The electric resistance supply socket must be provided with a grounding neutral !!!.

It is recommended to install the automatic circuit breaker with 30 mA differential relay.

### 3. PRODUCT DESCRIPTION

The bathroom stove is designed to produce household hot water by burning solid fuel inside the furnace or, in the case of electric resistance stoves, by means of an electric resistance.

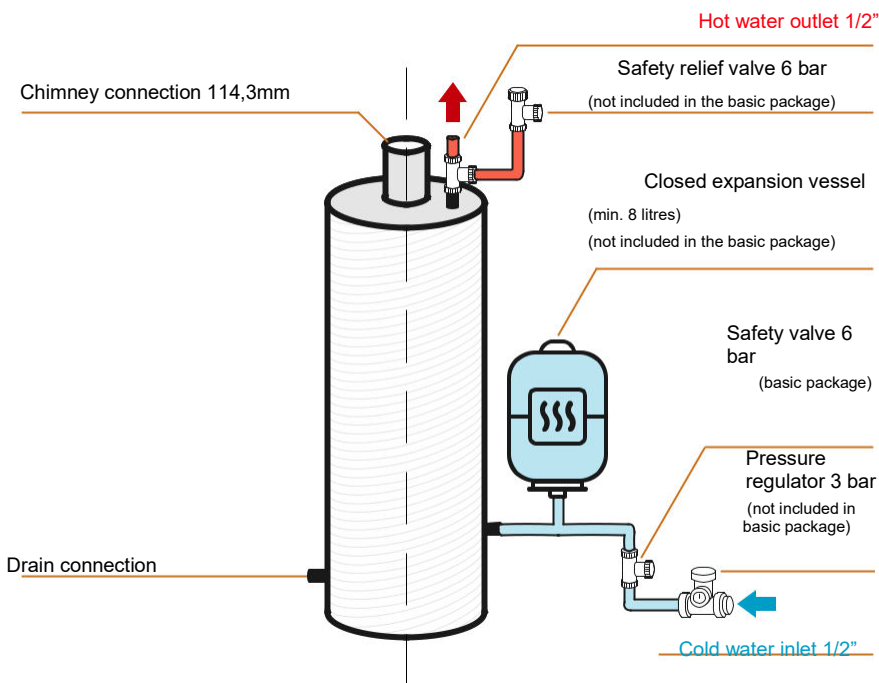
The stove is made of stainless steel or steel sheet, in the latter case painted both inside and out. The maximum working pressure of the bathroom stove is 3 bar.

The stove operates under pressure, for this reason for safety in operation it must be installed with two safety valves of max. 6 bar, being provided with a connection for it.

For correct installation and safe operation, a second safety valve must be fitted. Upon delivery each product is equipped with a SAFETY VALVE!

Other accessories such as pressure regulator, second safety valve, expansion tank are not part of the product and are not delivered together with the product, they are the responsibility of the customer for purchase.

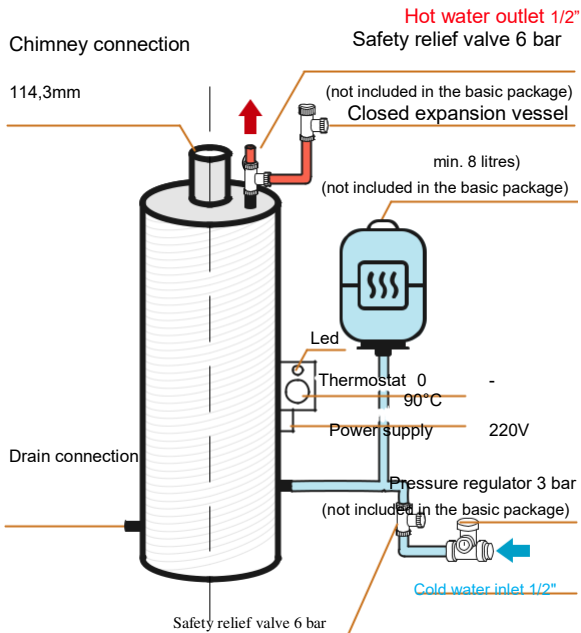
**BOILER WIRING DIAGRAM Fig.1**



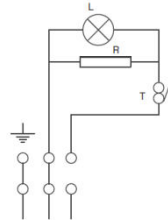
**STOVE WITH WOOD**



## WIRING DIAGRAM ELECTRIC RESISTANCE BOILER Fig.2



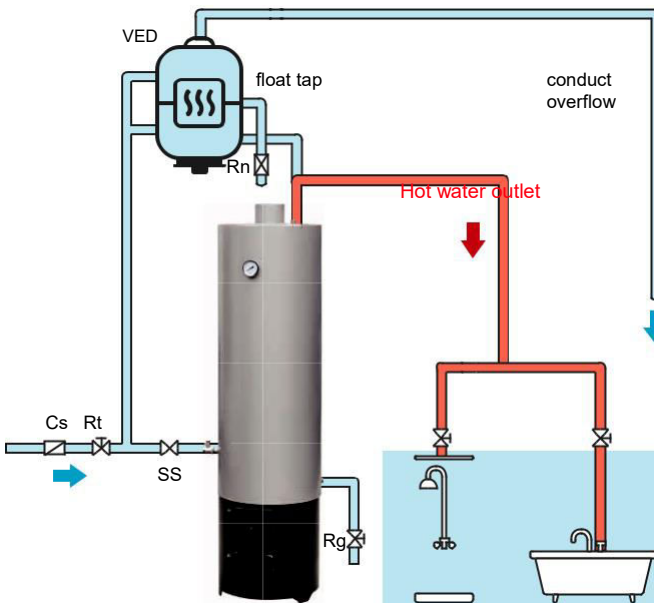
### WIRING DIAGRAM



### CAPTION

L - led signal lamp  
R - electrical resistance 2000W  
T - thermostat

## WIRING DIAGRAM WITH PRESSURE BREAKING VESSEL (OPEN VESSEL) Fig.3



### CAPTION

VED - open expansion vessel

Rn - vessel level tap / power  
Cs - direction flap / directional control valve  
SS - 6bar safety valve  
Rt - straightway valve  
Rg - drain tap

The installation and assembly of the bathroom stove must be carried out only by qualified and authorized personnel, in compliance with all national regulations in force (STAS 3581/1/2/3-91), following the connection diagrams in Fig.1, Fig.2 and Fig.3.

When the fire is ignited due to condensation, water droplets will form and fall onto the combustion space. This is a normal phenomenon and ceases after the water is heated.

It is recommended to wash the stove quarterly, or if the water in the stove becomes coloured due to deposits in the drinking water.

#### 4. SPARE PARTS

The list of spare parts is given in the following table:

| No. | Reference name                        | pcs/product |
|-----|---------------------------------------|-------------|
| 1   | Refractory clay brick                 | 7           |
| 2   | Cast iron grill                       | 1           |
| 3   | Thermometer                           | 1           |
| 4   | Safety valve                          | 1           |
| 5   | Thermostat                            | 1           |
| 6   | Electrical resistance 2000W/230V/50Hz | 1           |

#### 5. SAFETY AND CONTROL ELEMENTS

- The 6 bar 1/2" boiler safety valve (supplied with the product), fitted to the cold water inlet pipe (at the bottom of the boiler), is the valve that vents if the pressure in the boiler has exceeded 6 bar.
- The second 6 bar safety relief valve is mounted at the top of the boiler, on the household hot water outlet connection (a 1/2" tee is to be fitted; - this valve is not included in the basic package).
- Closed expansion vessel of minimum 8 litres (this vessel is not included in the basic package).
- Thermometer (supplied with the product)

## 6. OPERATING MODE

The stove is put into operation after connection to the water supply and filling with water.

The fire is lit as follows:

- place 0.5 kg of wood kindling and fuel load (as shown in the table) on the cleaned grill at once or in two portions evenly distributed over the entire surface of the grill, ensuring good combustion and optimum operation of the stove.
- the ash pan will be pulled to its maximum when the fire is lit and will gradually close according to the fuel used (it will close almost completely when wood is used), the burning time being approximately one hour.

| No. | Type of fuel | Qty. (kg) | Efficiency (%) |
|-----|--------------|-----------|----------------|
| 1   | Wood         | 4,4       | 66             |
| 2   | Briquettes   | 4,2       | 68             |
| 3   | Hard coal    | 3,4       | 71             |
| 4   | Lignite      | 5,6       | 20             |

## 7. INSTALLATION

**Before installing the stove check the pressure in the cold water supply. If it exceeds 3 bar, it is recommended to install a pressure regulator (not supplied with the product).**

- a.) Check that the stove has not been damaged during transport and the integrity of its components.
- b.) The location of the stove shall be determined on the basis of measurements carried out by the authorised installer.
- c.) The connection to the cold water supply pipe is made via the G ½" connection on the outer casing at the bottom of the stove. The safety valve supplied with the stove must be fitted to the cold water supply, which also acts as a directional control valve to ensure constant pressure and prevent the boiler from draining water at once.
- d.) A second safety relief valve of max. 6 bar shall be fitted by inserting a T-piece in the hot water outlet pipe G ½" located in the upper part of the stove.
- e.) To take up the increase in volume of the heating water, an expansion vessel of at least 8 l must be installed (see installation drawings).
- f.) The connection to the masonry chimney is made by means of a 120 mm diameter stovepipe. No more than two bends are allowed. The horizontal stovepipe must have an inclination of 15° more. The chimney to which the stove is connected must have a minimum internal cross-section of 250 x 125 [mm] and a useful height of 6 m.

g.) **Electrical connection:** Before carrying out any work, disconnect the appliance from the mains supply using the external switch. It is mandatory to earth the stove! For greater safety, carry out a thorough check of the electrical installation for compliance with existing standards. The stove manufacturer is not liable for failure to ground the installation or for faults in the electrical installation.

h.) In order to increase the service life of the vessel and to ensure effective operation of the safety elements, fit water filters to remove impurities. In order to ensure the effective operation of the boiler with electric resistance, it is necessary to remove limescale deposits from the resistance at least twice a year. Limescale damage to the heating element is not covered by the warranty.

## 8. PREPARATION AND COMMISSIONING

Commissioning at the customer's premises shall be carried out by a specialised firm or person authorised in the field who is responsible for the installation of the product and who will also train the service personnel. The boiler is filled with water by opening the cold water tap until water flows from the hot water tap.

### CAUTION!

- **It is forbidden to replace the safety valve with a larger one or to block it.**
- **The safety valve supplied with the stove, which also acts as a directional control valve, must be fitted at the water inlet to the stove.**
- **An expansion vessel must be fitted.**

Before commissioning (even periodically during operation) the chimney must be checked and cleaned to ensure that the fuel used burns properly.

## 9. OPERATING RULES

- **IT IS FORBIDDEN FOR CHILDREN UNDER 12 TO OPERATE THE STOVE!**
- **CONDENSATION IN THE FORM OF DROPLETS WILL APPEAR AFTER THE WATER HAS BEEN INTRODUCED INTO THE STOVE AND WILL DISAPPEAR AS THE STOVE HEATS UP.**

The maximum permissible temperature of the water in the boiler is 65° C.

Once the water has reached the maximum temperature, no more fuel is added to the boiler to avoid overheating. If the hot water temperature continues to rise in the boiler, open the hot water tap until it stabilises (until the water temperature in the boiler drops).

Mandatory steps:

- The fire should burn for about 2 hours so that the hot water temperature displayed by the thermometer mounted on the stove (if applicable) does not exceed 65° C because the water temperature rises due to the thermal inertia of the furnace.
- if there are interruptions in boiler operation (winter), it is mandatory to drain the boiler to avoid freezing. The water is drained through the taps provided.

**CAUTION : The product operates under supervision!**

## 10. STOVE MAINTENANCE

To ensure the best possible combustion, clean the furnace and ash box each time it is used. The flue pipe, the stovepipe and its elbows should be cleaned with a circular brush once a month or whenever necessary. The outside surface of the stove shall first be cleaned with a cotton cloth and soapy water and then wiped with a soft cloth. The bathroom stove shall be serviced annually by an approved firm or licensed plumber.

It is recommended that the stove is flushed every six months to remove limescale deposits (if any).

## 11. TROUBLESHOOTING

The following table lists the faults that may occur during operation and the causes of their occurrence:

| No. | Fault   | Cause   | Remedy  |
|-----|---|---|---|
| 1   | Fuel falls into the ash pan                                       | Burnt or broken grill                             | Replace grill                                     |
| 2   | Water temperature rises to only 35-40° after 2 hours of operation | Flue pipe has soot deposits                       | Clean flue pipe and stovepipe                     |
| 3   | Boiler water does not heat up (when running electrically)         | Thermostat defective<br>Heating element burnt out | Replace thermostat<br>Replace electric resistance |
| 4   | Signal lamp does not is light when thermostat switched on         | Signal lamp defective                             | Replace signal lamp                               |
| 5   | Thermostat does not switch on                                     | Thermostat defective                              | Replace thermostat                                |

### CONDITIONS UNDER WHICH THE WARRANTY IS NOT GRANTED:

- The installation has not been carried out by a specialist firm or authorised person who has responsibility for the installation of the product and who will also train the service personnel.
- Failure by the consumer to comply with the instructions in the technical book on assembly, installation, commissioning, operation and maintenance (see fig.1,2,3) Improper installation (no safety valves, no directional valve, no expansion vessel)
- Installation of a valve between the stove and expansion vessel or between the stove and safety valves
- Blocking or removing the safety relief valve or replacing it with a valve larger than 6 bar
- Freezing of water in the boiler. Limescale deposits, or other impurities on the boiler's contact side with the heat source or on the electrical resistance
- Boiler body loaded with sand and/or other impurities.
- Turning off the supply tap while heating water
- Use of a pressure higher than 3 bar in the water supply network

- Hitting and bending the stove
- Any mechanical deformation (flue pipe constriction, lid bulging or any bodily deformation) to the boiler.
- Repairs, replacements, modifications, without the manufacturer's consent. Warranty conditions are in accordance with GEO 140/28.12.2021.

**IN ORDER TO BENEFIT FROM THE WARRANTY, CAREFULLY KEEP THE STAMPED WARRANTY CERTIFICATE TOGETHER WITH THE RECEIPT AND/OR THE INVOICE!**

## **12. MARKING THE STOVE**

A label on the body of the stove contains the following data:

- the manufacturing company
- product name
- product code
- stove capacity
- fuel used
- rated thermal power
- maximum water pressure in the supply network
- number and year of manufacture

## **13. PACKAGING, STORAGE, DELIVERY, TRANSPORT**

- a.) PACKAGING : the stoves must be wrapped in polyethylene film to avoid damage.
- b.) STORAGE : the stoves must be stored in closed rooms, protected from humidity and corrosive agents.
- c.) DELIVERY : the bathroom stoves shall be packaged and delivered as follows: bathroom stove subassembly and furnace subassembly.
- d.) TRANSPORT : the bathroom stoves shall be transported by covered means of transport.

## **14. MEASURES FOR WORK PROTECTION AND FIRE PREVENTION DURING THE USE OF THE STOVE**

It is forbidden:

- mounting the stove at a distance of less than 0.5 m from doors, furniture or other flammable materials
- sleeping in the same room with the stove
- leaving the dwelling while leaving the fire burning (unattended)
- filling the stove with a higher fuel load than that specified in the technical book
- using unsuitable fuel (coke, wood with varnish and paint, rubber or plastic household waste)
- touching the outside surfaces of the stove and boiler during operation: danger of burns.

## 15. WARRANTY AND WARRANTY CONDITIONS

**S.C. Miklos Steel S.R.L.** guarantees the proper functioning of the bathroom stoves under normal operating conditions according to the technical book.

The warranty term is:

- 2 years from the date of purchase of the sheet steel stove
- 2 years from the date of purchase of the steel furnace
- 5 years from the date of purchase of the stainless steel stove
- 1 year for electrical components

### **The warranty is valid if the following requirements are met:**

- the installation of the bathroom stoves must be carried out by a specialised firm or authorised individual, any deviation from the instructions contained in the technical book will result in the loss of the warranty
- in the event of a complaint, the purchaser is obliged to present the technical book together with the stamped warranty certificate and the invoice or receipt showing the date of purchase and the name of the company or authorised individual who installed the stove.
- When making the warranty claim, 3 photographs must be attached - before the equipment is dismantled - of how it was installed in the system, the connection of safety equipment, clearly showing the existence and position of the safety valve, the existence and position of the expansion tank, etc.

During the warranty period all manufacturing or material defects will be rectified to bring the product into conformity. Products with manufacturing defects that are within the warranty period, if they cannot be repaired, will be replaced. The warranty remedy may not exceed 15 calendar days from the date on which the Buyer notified the Seller of the lack of conformity of the product.

### **No warranty is granted in the following cases:**

- Damage due to improper transportation, storage or handling
- Defects due to negligence and misuse
- Damage to the identification label. Loss of the warranty certificate.
- Installation of the product by unauthorised persons, non-compliance with the installation conditions in the technical book accompanying the product.
- Any mechanical deformation (strangulation of the flue pipe, bulging of the lid or any other bodily deformation) to the stove.
- Limescale deposits, or other impurities on the part of the stove in contact with the heat source or on the electrical resistance.
- Repairs, replacements, modifications without the manufacturer's consent.

Warranty conditions are in accordance with GEO 140/28.12.2021.



**Service** is provided by the manufacturer (warranty and post-warranty) or by companies authorised and approved by the manufacturer.

## Service contact

Customer service analyst: 0368/808080 / 0799.309.000;

service@miklossteel.ro

Service manager : 0720.100.040; [janos@miklossteel.ro](mailto:janos@miklossteel.ro)

Automation manager (electrical, electronics) 0799.409.409

**The average life of the product is:**

- 5 years for sheet steel stoves

- 10 years for stainless steel stoves,

provided they are assembled/ installed/ used and maintained in accordance with the instructions.

### REPAIRS CARRIED OUT DURING THE WARRANTY PERIOD

[illegible]



S.C. MIKLOS STEEL S.R.L.

## WARRANTY CERTIFICATE

Buyer name:.....  
 Buyer address: .....  
 Seller:.....  
 Product:.....  
 Date of sale: ..... Place of sale:.....  
 Invoice no: ..... Receipt no: .....

WARRANTY: The warranty period is ..... months and begins on the date of sale of the product by the company specified above. This certificate is a guarantee of consumer rights approved by GEO 140/28.12.2021.

The product has a commercial guarantee (under the conditions specified in the guarantee statements and related advertising) as well as a legal guarantee of conformity (if the lack of conformity occurs within 2 years, calculated from the delivery of the product) in accordance with GEO 140/28.12.2021.

The warranty offered does not affect the consumer's rights ensured by the relevant legislation. The warranty covers defects in material or workmanship due to the manufacturer, hidden manufacturing defects.

methods of warranty cover: repair, repair by replacement of defective parts, or replacement of product - as appropriate. In the event of non-conformity, during the warranty period the consumer will go to the seller of the product in order to determine how to remove it by the means provided for by the legislation in force, with written notification of the period of settlement. The seller shall be liable to the consumer for any lack of conformity existing at the time the products were delivered.

In the event of lack of conformity, the consumer is entitled to have the goods brought into conformity, free of charge, by repair or replacement - as appropriate. Any repair or replacement of the product shall be made within a period of time agreed in writing between the seller and the consumer. The agreed period of time may not exceed 15 calendar days from the date on which the buyer, as the case may be, has notified the seller of the lack of conformity of the product or has handed over the product to the seller or to the person designated by the seller on the basis of a handover document. If the product is replaced, the seller has the same obligations for the replacement product as for the product originally sold. In case of repair of the product, only new parts shall be used.

The consumer is not entitled to demand the termination of the contract if the lack of conformity is minor.

Determination of non-conformity and its degree of seriousness shall be made in accordance with the provisions of the national standards SR ISO 3951 and other normative acts concerning non-conformity.

In case of complaints during the warranty period the buyer is obliged to submit the warranty certificate to the seller together with the purchase document and written notification of the claimed non-conformity. The product complained of shall contain all the elements necessary for identification, written on the label, packaging or marked on the product. Without these supporting documents, complaints cannot be considered.

Defects caused by incorrect operation, non-compliance with the instructions for use of the equipment or commissioning and intervention by unauthorised personnel are not covered by the warranty.

The products must be assembled, installed and operated in accordance with the requirements of this manual, standards, technical specifications and legislation in force.

All faults/non-conformities resulting from non-compliance are the sole responsibility of the user.

The purchaser declares that he accepts all the clauses mentioned in this warranty certificate, that the product taken back is complete, in good condition and coincides with the one invoiced.

THE WARRANTY BECOMES INVALID IN THE FOLLOWING CASES:

1. Defects caused by transport, assembly and misuse.
2. Freezing or working pressure over 3 bar.
3. Defects caused by impact, bending.
4. Modification of the stove.
5. Non-mounting of the product by authorised personnel with valid papers.
6. The warranty of the cast iron grill is lost if it is bent due to excessive temperatures in the stove.
7. The warranty of the electrical resistance is lost if it is damaged due to limescale deposits or voltage variations.
8. Any mechanical deformation (flue pipe strangulation, lid bulging or any bodily deformation) to the stove.
9. Limescale deposits, or other impurities on the stove's contact side with the heat source or on the electrical resistance.
10. Improper assembly (no safety relief valves, no directional valve, no expansion tank).

The consumer's rights are laid down in Government Ordinance No 140 of 28 December 2021 on the sale of products and associated guarantees.

#### CONDITION FOR ACCEPTANCE OF THE WARRANTY CLAIM

3 photographs must be enclosed with the warranty claim -

before dismantling the equipment - of the installation in the system, connection of safety elements, clearly showing the existence and position of the safety valve, the existence and position of the expansion tank, etc.

These photos shall be sent together with the product and the report to the MIKLOS STEEL S.R.L. SERVICE CENTRE. If these photographs proving the existence of the safety elements are missing, the product warranty will be void.

The Buyer declares that he has read and accepts all the clauses of this warranty certificate.

Seller

Buyer

.....  
Identification data of authorized installation personnel:.....

.....  
Stamp and signature

#### CONTACT DETAILS MIKLOS STEEL S.R.L. SERVICE CENTRE

Loc. Săcele, P-ța Libertății Str. nr. 12, Brașov county, postal code 505600

Phone: 0040-368-80 80 80, e-mail: service@miklossteel.ro, www.miklossteel.ro

## DECLARATION OF CONFORMITY



We, S.C. MIKLOS STEEL S.R.L., with registered office in Comuna Brădești, Sat. Târnovița, str. Küküllő nr. 2, Harghita county, Trade Register No. J/19/460/2009; C.U.I. RO 26115187, we declare that the products:

- ☐ **KITCHEN BOILER FM 40 L**
- ☐ **BATHROOM STOVE FM 70 L**
- ☐ **BATHROOM STOVE FM 90 L**
- ☐ **BATHROOM STOVE FM 120 L**

Max. working temperature: 65 °C

Max. working pressure: 3 bar

Fuel used: solid

are manufactured according to the requirements:

### **Directive 2014/68/EU - Pressure equipment**

Conformity assessment and certification has been carried out and elaborated by "INTERTEK INDUSTRY SERVICES ROMANIA", located in Bucharest, str. Calea Rahovei nr. 266 - 268, EU notified organization under number NB 2725. Assessment procedure applied: PI - INTK - 08, Module B according to Directive 2014/68/EU, EU Type Examination Certificates: No. IISR-B-0011 and No. IISR-B-0012.

At the same time we assure, guarantee and declare on our own responsibility, that the products comply with the essential safety requirements, comply with the provisions of H.G. no.123/2015 - Directive 2014/68/EU, Directive 2014/35/EU and Directive 2009/125/EC, do not endanger life, health, safety at work and do not have a negative impact on the environment,

Date / Place

\_\_\_\_\_ / Târnovița

Signature







 **Manufactured  
in Romania**

  
**MIKLOS STEEL STOVE**

**S.C. MIKLOS STEEL S.R.L.**

J19/460/2009, CUI: RO 26115187

Com. Brădești, Sat Târnovița  
Str. Küküllő, Nr.2, Jud. Harghita  
Phone/Fax: 004-0368 80 80 80

[www.miklossteel.ro](http://www.miklossteel.ro)

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