

1. User Manual notes

1.1 Introduction

1.1.1 Simple and Safe handling

This manual contains important information on safe and correct use of the TEP pellet stoves. If you follow the guidelines of this manual, you will avoid possible danger and costs which might occur due to repairs, as well as extend the life of the stove.

1.1.2 Reading the Manual

The manual must be read and applied by those who will handle, install and service the hydro pellet stove/TEP stove.

1.1.3 Technical modifications

Rade Koncar TEP has continuously developed and improved its hydro stoves. Information provided in this manual is applicable for the time when the manual was issued.

It is recommended to check all details contained in this Manual, related to the standards and regulations, before you start using the installed stove.

We retain the right to make any modifications, which may lead to discrepancies with the technical characteristics and illustrations presented in this Manual.

1.1.4 Copyrights

Copying and use of data from this manual is strictly prohibited. One must obtain written permit from the manufacturer before any copying or modification of the electronic parameters takes place, as well as before any copying or publication of parts or the complete manual.

2. Safety Instructions

2.1 Correct use

Hydro stoves are constructed in accordance with all safety provisions and in accordance with the standards or technical specifications applied according to the regulations.

However, non-compliance with the manual may result in bodily injuries of the user or third parties, as well as damage to the stove or other property.

The stove may only be used for the purpose for which it has been manufactured. The manufacturer shall not be responsible for damages to people, animals or items, as a consequence of error during installation, incorrect regulation, maintenance and use of the stove.

2.2 Operating the stove

You can operate the stove only when it is functional. Use the stove in the manner described in this manual. Read the safety measures and possible hazards.

Remove any deficiencies or irregularities which may influence safety. Operating a malfunctioning stove may cause fire or explosion.

The stove is intended for combustion of wooden pellets. Any other use is considered improper.

Burning waste or any other source of energy, except pellets, is prohibited. The manufacturer shall not be responsible for any damages caused from improper operation. Proper use means maintenance of the installed stove, operations and conditions as prescribed by the manufacturer.

The user may modify only those parameters determined in this manual. Any other parameter may affect the controlling program and the function of the stove, which may lead to halt or improper operation.

2.3 Recommended wooden pellets

The manufacturer recommends use of wooden pellets with diameter of 6mm and length of 10 to 30mm.

The quality of pellets compatible with PELET C1 standard of EN 303-5:2012 Table 7; the volume of moisture less than 12%, in accordance with DIN 5137 и ÖNORM 7135.

Other requirements regarding fuel, in accordance with the standard:

- O-Norm M 7135
- DIN plus 51731
- UNI CEN/TS 14961

Mind the quality of the wooden pellets. Pellets with low quality or pellets from another energy source may easily cause improper functioning of the stove, or damages to the stove, electronics, or the glass.

3. Installment and turning on the stove

Turning on the stove should be done by a person authorized by Rade Koncar- TEP.

Start of function of the stove involves giving instructions regarding the basic operations and maintenance of the stove. The service official who is authorized for the commissioning must control the function of the stove, to a minimal extent during one complete working cycle of the stove.

Danger of material and bodily injuries as a result of improper putting into operation of the stove. If activation of the stove is done by a non-professional, it may lead to damage to the stove or the heating system.

3.1. Conditions

The following conditions must be fulfilled before putting the stove into operation.

1. First, turn on main power supply!

2. You must not use extension cord with wire cross-section less than 3x2.5mm²

Note: any power supply connection other than the one prescribed shall cause voltage drop or voltage fluctuations during operation of the stove, which shall result in improper function of the stove. In such case, any interventions shall not be subject to product complaints.

Inspection of the mechanical connections

Check if all components have been correctly connected.

Check if all Mechanical components have been tightly fixed.

Check if the heat exchanger is correctly mounted.

Inspection of the hydraulic connections

Check if the water pump and valves have been correctly connected.

Check if the safety equipment has been properly connected.

3.2 Chimney and exhaust smoke piping

The stove must be connected to a chimney. The chimney should be measured and manufactured in accordance with EN 13384-1 standard, with minimum pressure of 5 Pa- 0,05 mbar, minimum height of 4 meters and diameter of 150mm. The metal construction of the chimney must be thermally insulated.

The exhaust smoke piping must be in accordance with the applicable regulations, as well as the rules on the chimney dimensions and building material.

The exhaust smoke piping should be made of adequate unflammable materials and resistible to combustion materials, and to possible condensation.

Anyway, there must be adequate protection with unflammable material, of the parts or areas which may catch fire, such as: Wooden planks, beams or fiber.

Connecting joints must not be made or mounted by direct bending to 90 degrees – they must be 2x 45 degrees or semicircular structures.

It is strictly prohibited to close the back of the stove with materials which would prevent intake of fresh air, and one should keep prescribed distances.

During installment, the exhaust smoke piping must be mounted at minimum height of 1.5m.

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It is recommended, if possible, to avoid mounting of horizontal parts. Horizontal parts should be mounted at 3% inclination. The length of the horizontal parts should be minimal and less than 2 meters.

FLEXIBLE METAL HOSES MUST NOT BE USED AS EXHAUST SMOKE PIPING.

ALL PARTS OF THE EXHAUST SMOKE PIPING MUST BE SECURE AND REPLACABLE, TO PROVIDE FOR INTERNAL CLEANING THEREOF. AVOID TOO MANY HORIZONTAL DEVIATIONS AND ANGLES.

THE MANUFACTURER SHALL NOT BE LIABLE FOR PRODUCT COMPLAINTS, IN CASE OF IMPROPER MOUNTING OF THE EXHAUST SMOKE PIPING, OR ANY IMPROPER WORK ON THE CONNECTING ELEMENTS.

3.3 Minimum distance of the stove from items or walls

Minimum distance requirements for the stove:

A- Minimum distance in front of the stove – 100cm

B- Minimum distance on the sides – 20cm

C – Minimum distance from the back side of the stove – 20cm

4. Cleaning of the heat exchanger

1. Turn off the stove and wait for it to cool down.
2. Open the door of the stove.
3. Using protective gloves lift the heat exchanger from its holder and empty the content in a fireproof container.
4. Return the heat exchanger in its holder.

5. Close the door before turning the stove on.

5. Guarantee

Guarantee period

The warranty period is 2 years for the body of the stove, the pellet tank and electric components (regulation, engine and display), and 6 months for the lighter.

Rade Koncar TEP shall be responsible for servicing within the warranty period on the territory of the Republic of Macedonia.

The warranty for other States shall be provided by the authorized importer – distributor.

6 Terms of the Warranty

The stove must be commissioned by a professional – servicer authorized by Rade Koncar TEP.

The stove must function in accordance with the terms prescribed in this manual.

The stove must be mounted in accordance with the applicable rules and regulations of the relevant country.

The quality of pellets must correspond to the applicable standards stated in this manual.

7.. Exception from warranty

The warranty shall exclude issues resulting from:

- Unprofessional and negligent handling and maintenance
- Unprofessional and unauthorized opening and repair of the device
- Improper installment, mechanical damages or overloading
- Incompliance with the instructions for use.

Damage caused by external factors, such as fire and flooding, lightning bolt, extreme voltage loads shall not be covered with the warranty.