

KRATKI ANTEK/DECO/150

KRATKI ANTEK 10 kW Cast Iron Wood-Burning Fireplace Insert User Manual

Model: ANTEK/DECO/150

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your KRATKI ANTEK 10 kW Cast Iron Wood-Burning Fireplace Insert. Please read this manual thoroughly before installation or use and retain it for future reference.

The KRATKI ANTEK fireplace insert is designed for high-efficiency wood combustion, featuring durable cast iron construction, a self-cleaning ceramic glass, and manual air control for optimal performance. It complies with Ecodesign standards, ensuring environmental responsibility and energy efficiency.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in property damage, bodily injury, or even death.

- **Professional Installation:** This appliance must be installed by a qualified and certified professional in accordance with all local and national building and fire codes.
- **Ventilation:** Ensure adequate ventilation in the room where the fireplace is installed. Do not obstruct air inlets or outlets.
- **Fuel Type:** Only burn dry, seasoned hardwood. Do not burn trash, plastics, treated wood, or any other unauthorized materials, as this can cause dangerous fumes and damage the appliance.
- **Clearances:** Maintain proper clearances to combustible materials as specified by local codes and the installer.
- **Hot Surfaces:** The fireplace surfaces, including the glass, become extremely hot during operation. Use appropriate protective gloves when handling and keep children and pets away.
- **Ash Disposal:** Dispose of ashes in a metal container with a tight-fitting lid, away from combustible materials.
- **Carbon Monoxide:** Install carbon monoxide detectors in your home.
- **Chimney Maintenance:** Regularly inspect and clean the chimney and flue system to prevent creosote buildup and potential chimney fires.

3. PRODUCT OVERVIEW

The KRATKI ANTEK 10 kW fireplace insert is a robust and efficient heating solution designed for integration into existing or new fireplace structures. Key features include:

- **High-Efficiency Cast Iron Construction:** Made from 8mm thick cast iron with closely spaced radiators for optimal heat transfer and durability.
- **Self-Cleaning Ceramic Glass:** Resistant to temperatures up to 660 °C, featuring an air curtain system to minimize soot accumulation and maintain a clear view of the flame.
- **Manual Air Control:** Equipped with an air vent and regulator for precise management of combustion air, allowing for optimized burning efficiency.
- **Easy Maintenance:** Includes a removable ash drawer and a movable grate for convenient cleaning.
- **Decorative Spark Guard:** Prevents burning wood from falling out, enhancing safety and cleanliness.
- **Ecodesign Certified:** Meets stringent European environmental standards for reduced emissions and high energy efficiency.
- **Ergonomic Design:** Features a comfortable handle and a large door for easy loading of wood.

Components and Features



Figure 3.1: Front view of the KRATKI ANTEK fireplace insert with a fire burning, showcasing the clear ceramic glass.



Figure 3.2: Front view of the KRATKI ANTEK fireplace insert with the door open, revealing the combustion chamber and internal grate.



Figure 3.3: Close-up view of the removable ash drawer, located at the bottom of the combustion chamber for easy ash removal.



Figure 3.4: Diagram illustrating the integrated roof and chimney system.

4. INSTALLATION AND SETUP

Installation of the KRATKI ANTEK fireplace insert requires specialized knowledge and adherence to strict safety regulations. It is mandatory to have this appliance installed by a certified professional.

4.1 Pre-Installation Checks

- Verify that the chimney and flue system are in good condition, properly sized, and free of obstructions.
- Ensure the floor structure can support the weight of the fireplace insert and any surrounding masonry.
- Confirm availability of adequate combustion air supply to the room.
- Review local building codes and obtain any necessary permits before installation.

4.2 Installation Steps (Summary for Professional)

1. **Unpacking:** Carefully remove the fireplace insert from its packaging. Inspect for any damage.
2. **Positioning:** Place the insert into the prepared fireplace opening, ensuring proper clearances to combustible materials.
3. **Flue Connection:** Connect the flue collar of the insert to the chimney system using appropriate, sealed flue pipes.
4. **Air Intake Connection (if applicable):** If an external air intake system is used, connect it to the designated port on the insert.
5. **Sealing:** Seal all connections to prevent smoke leakage and ensure efficient operation.
6. **Finishing:** Complete any surrounding masonry or decorative work, ensuring no vents or air passages are blocked.

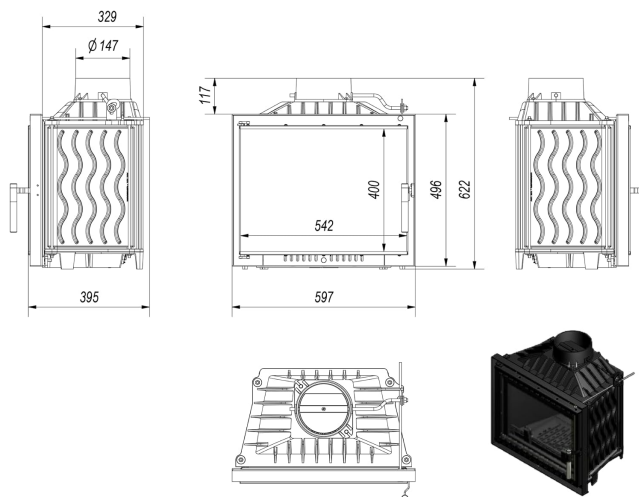


Figure 4.1: Technical drawing providing critical dimensions for installation planning of the KRATKI ANTEK fireplace insert.

5. OPERATING INSTRUCTIONS

Proper operation ensures maximum efficiency and safety from your KRATKI ANTEK fireplace insert.

5.1 Fueling the Fireplace

- Only use dry, seasoned hardwood. Wood should be split and allowed to dry for at least 6-12 months.

- Avoid burning softwoods, green wood, treated wood, or household waste, as these can cause excessive creosote buildup and pollution.

5.2 Lighting the Fire

1. Open the primary air intake fully (usually a lever or knob at the bottom of the door).
2. Place crumpled paper or natural firelighters on the grate.
3. Stack small pieces of kindling wood on top of the firelighters.
4. Light the firelighters. Once the kindling is burning well, add a few small logs.
5. Close the door securely.

5.3 Controlling Combustion Air

The KRATKI ANTEK features manual air control to regulate the burn rate and heat output.

- **Primary Air:** Controls the air supplied to the bottom of the fire, essential for ignition and intense burning. Keep fully open during startup.
- **Secondary Air (Air Curtain):** This air washes over the inside of the glass, helping to keep it clean and contributing to more complete combustion. It is often adjusted in conjunction with primary air.
- Once the fire is established and logs are burning steadily, gradually reduce the primary air intake to achieve the desired burn rate. A slow, steady flame is more efficient than a roaring fire.

5.4 Refueling

1. Before opening the door, ensure the primary air intake is fully open for a few minutes to prevent smoke spillage.
2. Carefully open the door.
3. Add new logs, ensuring they fit within the combustion chamber and do not obstruct the door closure.
4. Close the door securely and adjust the air controls as needed.

6. MAINTENANCE

Regular maintenance is crucial for the longevity, efficiency, and safety of your fireplace insert.

6.1 Ash Removal

- Allow the fireplace to cool completely before removing ashes.
- The ANTEK insert is equipped with a removable ash drawer (see Figure 3.3). Carefully slide out the drawer and empty the ashes into a metal container with a tight-fitting lid.
- Do not overfill the ash drawer. A small layer of ash on the bottom of the firebox can help insulate the fire.
- Dispose of ashes away from combustible materials.

6.2 Glass Cleaning

- The self-cleaning ceramic glass system helps reduce soot, but occasional cleaning may be necessary.
- Only clean the glass when the fireplace is completely cool.
- Use a specialized fireplace glass cleaner or a damp cloth dipped in fine ash (from the fireplace itself) to gently scrub away soot. Wipe clean with a dry cloth.
- Avoid abrasive cleaners or materials that could scratch the glass.

6.3 Chimney and Flue Inspection

- Have your chimney and flue system inspected and cleaned by a certified chimney sweep at least once a year, or more frequently if you burn frequently.
- This prevents creosote buildup, which is a fire hazard.

6.4 General Inspection

- Periodically check door gaskets for wear and tear. Replace if necessary to maintain an airtight seal.
- Inspect the cast iron body for any cracks or damage. Consult a professional if damage is found.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your KRATKI ANTEK fireplace insert.

Problem	Possible Cause	Solution
Smoke coming into the room	◦ Cold chimney ◦ Blocked chimney/flue ◦ Insufficient air supply ◦ Door opened too quickly	◦ Pre-heat chimney with crumpled paper. ◦ Have chimney inspected and cleaned. ◦ Ensure air intakes are open and room has adequate ventilation. ◦ Open door slowly after opening air controls.
Fire not burning efficiently / Low heat output	◦ Wet or unseasoned wood ◦ Insufficient air supply ◦ Too much ash in firebox	◦ Use only dry, seasoned hardwood. ◦ Open air controls further. ◦ Empty ash drawer.
Glass getting dirty quickly	◦ Wet or unseasoned wood ◦ Insufficient secondary air (air wash) ◦ Burning at too low a temperature	◦ Use only dry, seasoned hardwood. ◦ Ensure secondary air intake is clear and properly adjusted. ◦ Burn hotter for short periods to clean glass.

If problems persist after attempting these solutions, contact a qualified service technician.

8. TECHNICAL SPECIFICATIONS

Below are the technical specifications for the KRATKI ANTEK 10 kW Cast Iron Wood-Burning Fireplace Insert (Model ANTEK/DECO/150):

Feature	Specification
Brand	KRATKI
Model Name	ANTEK DECO 150
Model Number	ANTEK/DECO/150
Nominal Heat Output	10 kW
Heat Output Range	6-13 kW

Feature	Specification
Material	Cast Iron (8mm thickness)
Color	Black
Glass Type	Ceramic, self-cleaning, resistant up to 660 °C
Dimensions (Package)	120 x 80 x 15 cm
Item Weight	85 Kilograms
Energy Class	A++ to G (Ecodesign Certified)
Power Source	Fuel Powered (Wood)
Installation Type	Freestanding (designed for insert installation)
Ventilation Type	Natural Vent
Included Components	Ash pan/ash drawer, grate

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact KRATKI customer service directly. Keep your proof of purchase for any warranty claims.

For technical support, spare parts, or service inquiries, please contact your authorized KRATKI dealer or visit the official KRATKI website. Always provide your model number (ANTEK/DECO/150) when seeking support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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