hydrofire™

INTELLIGENT HEATING SOLUTIONS

INSTRUCTION MANUAL

5 SERIES MODELS

Introducing the Liseo Instruction Manual - Your Guide to Optimal Performance and Safety

Thank you for choosing our Liseo Stove. This instruction manual has been carefully crafted to provide you with all the necessary information for the installation, operation, and maintenance of your stove. We understand the importance of a clear and concise manual, and we aim to deliver just that.

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1. Introduction:

Dear Valued Customer,

We would like to express our gratitude for choosing our Liseo Stove. This manual has been designed to ensure that you have a seamless experience with our stove. Please take the time to read through this manual thoroughly to familiarize yourself with the necessary information for optimal performance.

2. Instruction Manual Preservation:

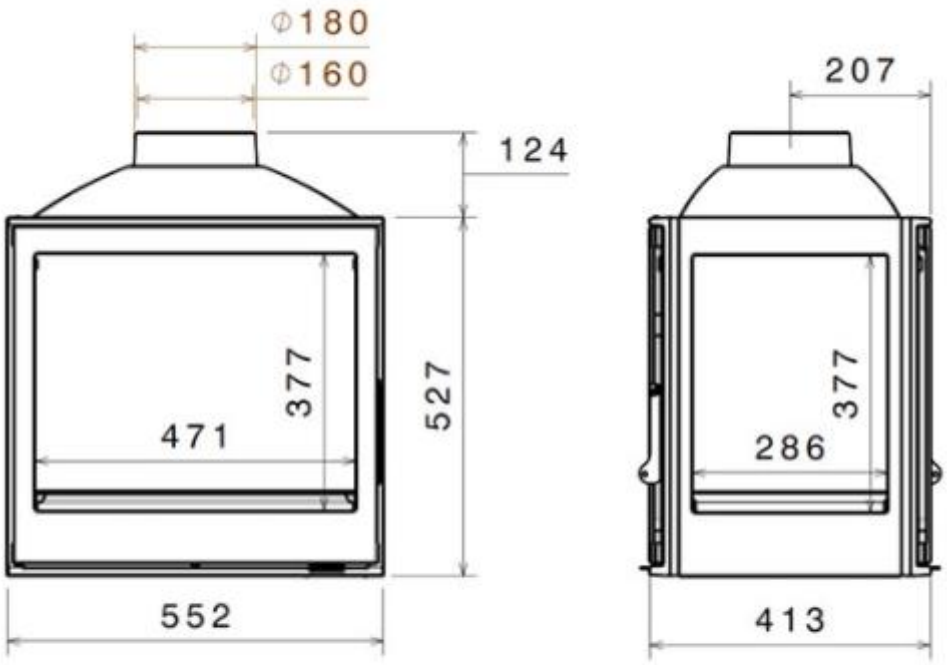
We highly recommend keeping this manual in a safe and easily accessible location, even in the event of ownership or location changes. Should you require additional copies, please do not hesitate to contact Hydrofire.

3. Warranty Information:

To ensure the validity of your warranty, it is essential to adhere to the installation guidelines provided by authorized personnel. Additionally, we strongly advise using only original spare parts and having any repairs conducted by authorized Hydrofire technicians. Please note that our stoves are not suitable for individuals with reduced abilities or those without experience. It is important to supervise children to prevent accidents. Before lighting the stove after a prolonged period of inactivity, please inspect its condition thoroughly.

L5 LR Strasbourgh Side Glass

Built -in Wood Stove



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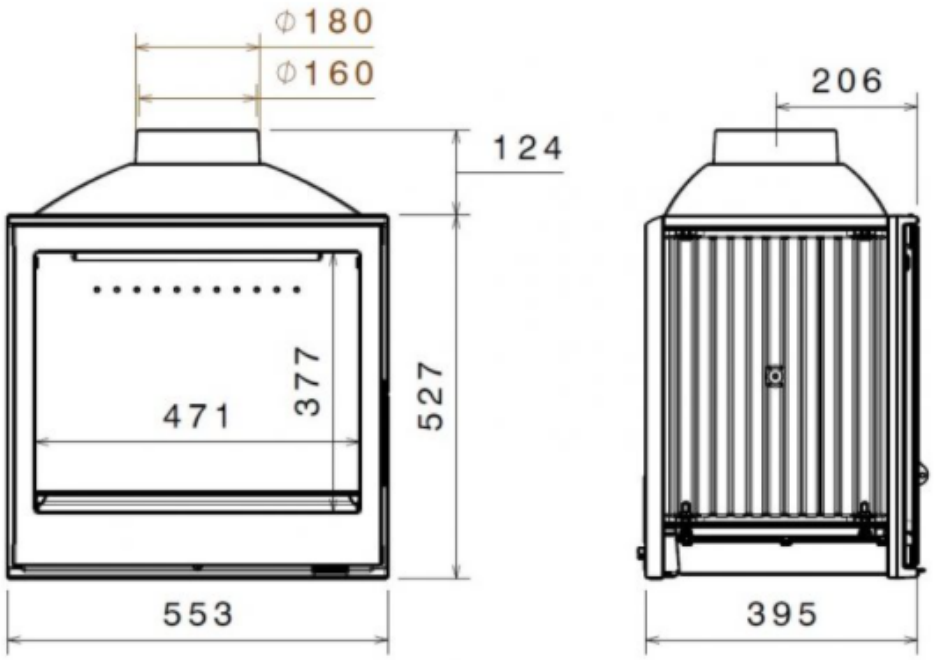
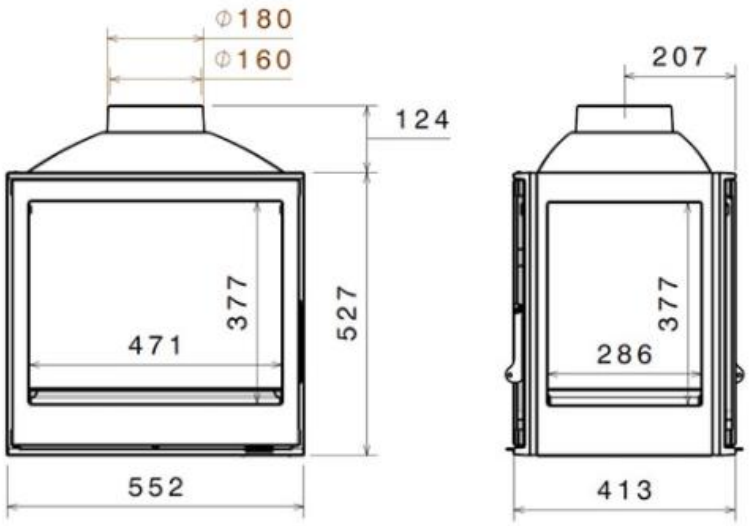
Built -in Wood Stove



L5 Strasbourgh Four Glass

Built -in Wood Stove



L5 DF Strasbourgh

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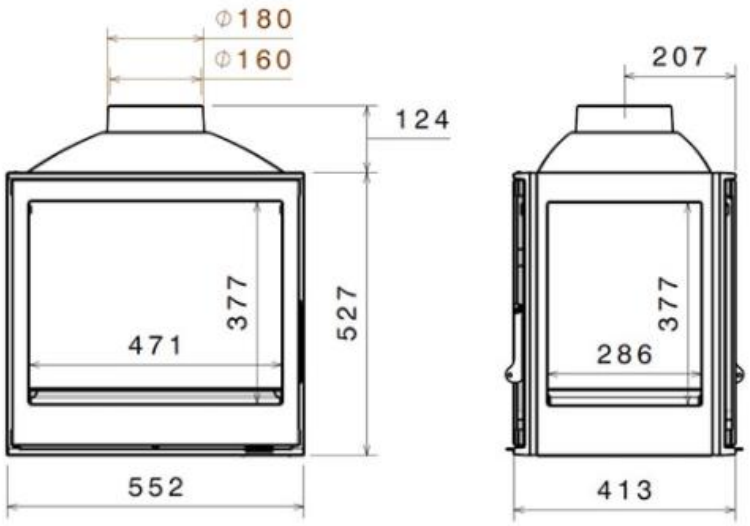
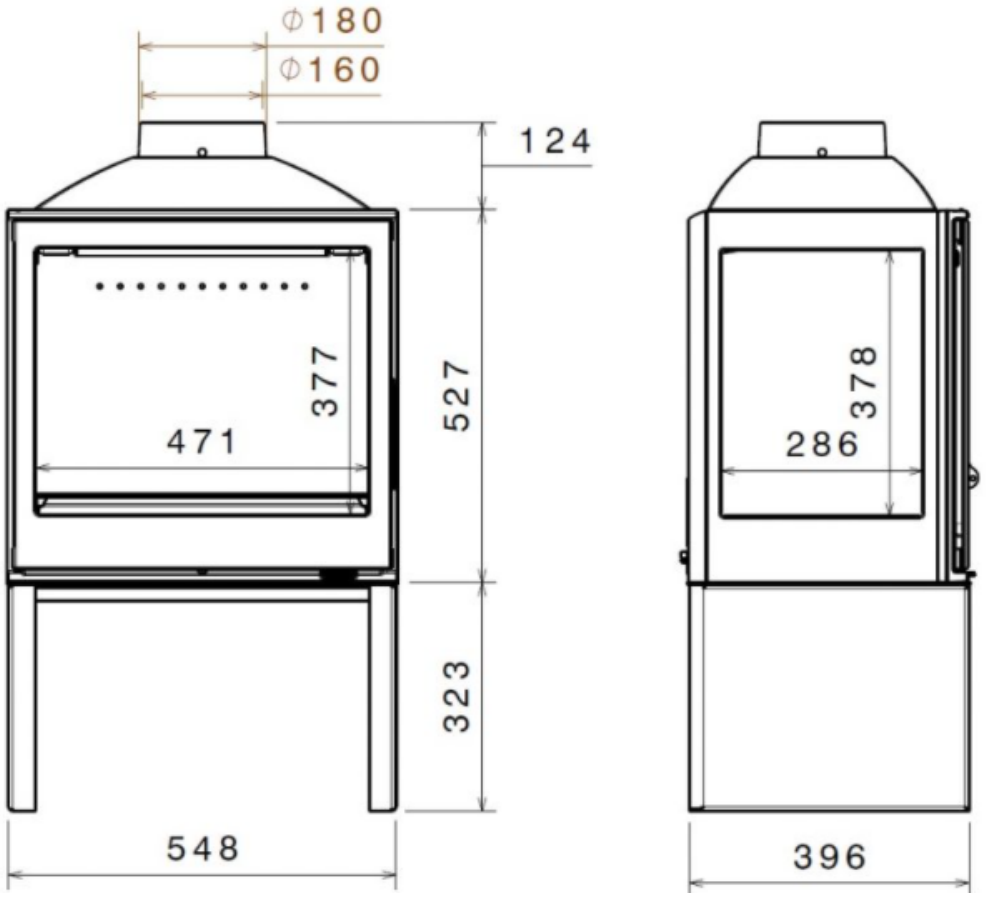


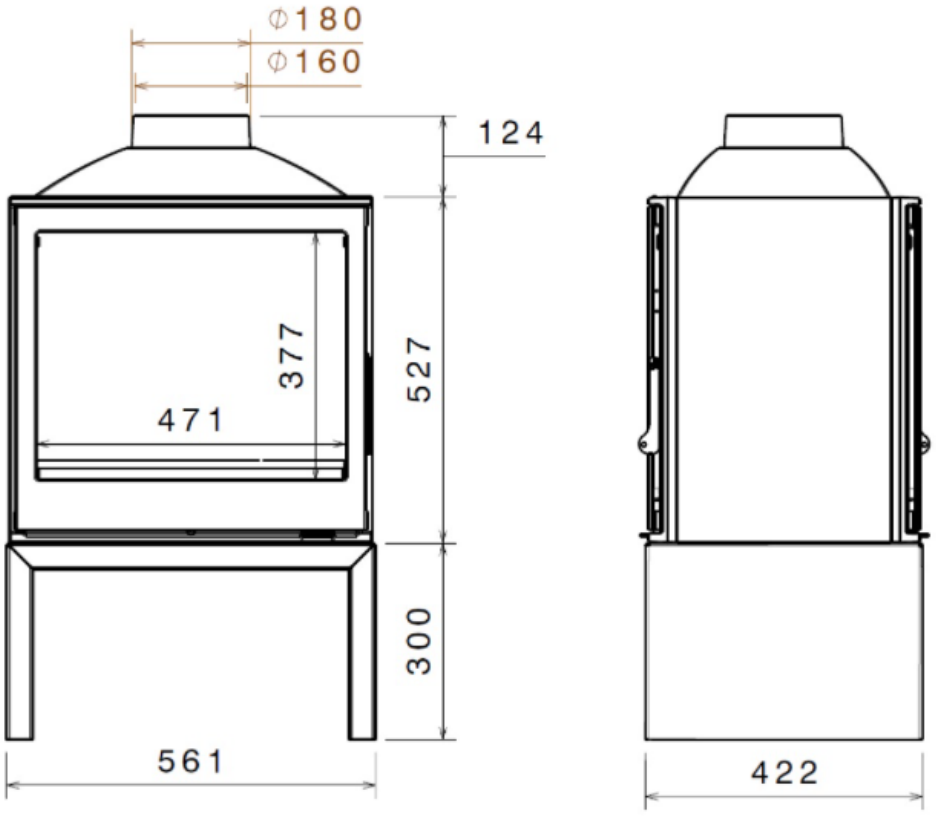
L51 4 Nova Four Glass

Free Standing Wood Stove



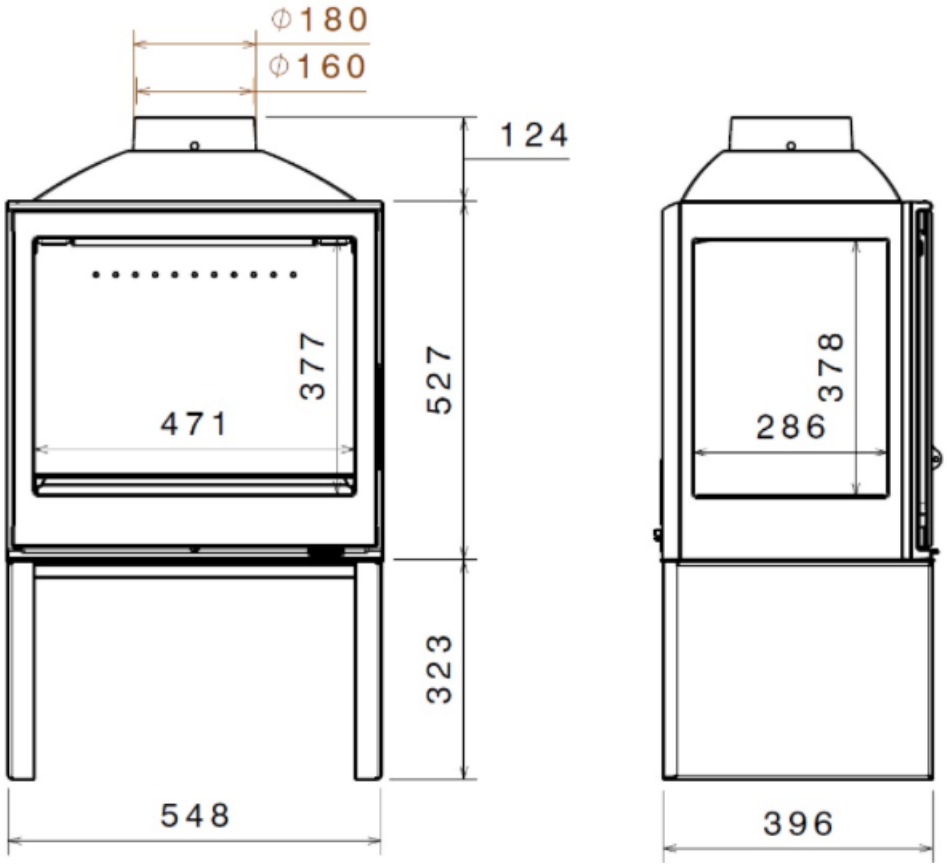
L51 DF Nova - Dbl Sided

Free Standing Wood Stove



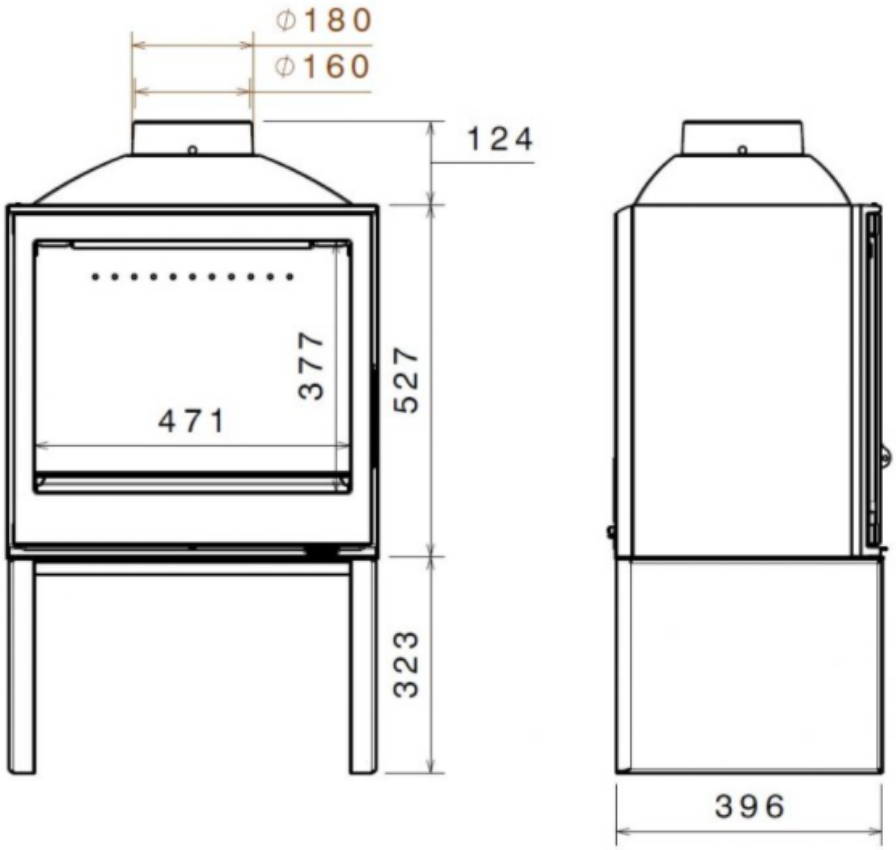
L51 LR Nova Side Glass

Free Standing Wood Stove



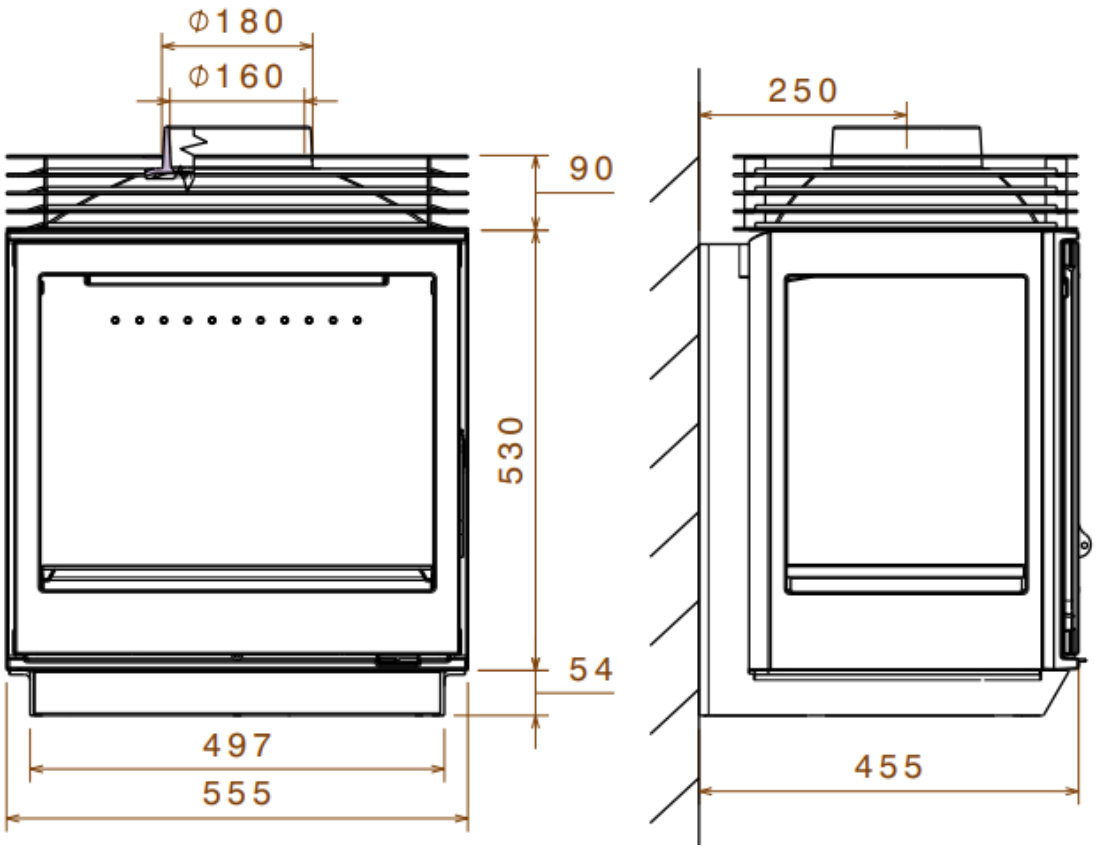
L51 Ostrava

Free Standing Wood Stove



W5 Nova Wall

Wall Mounted Wood Stove



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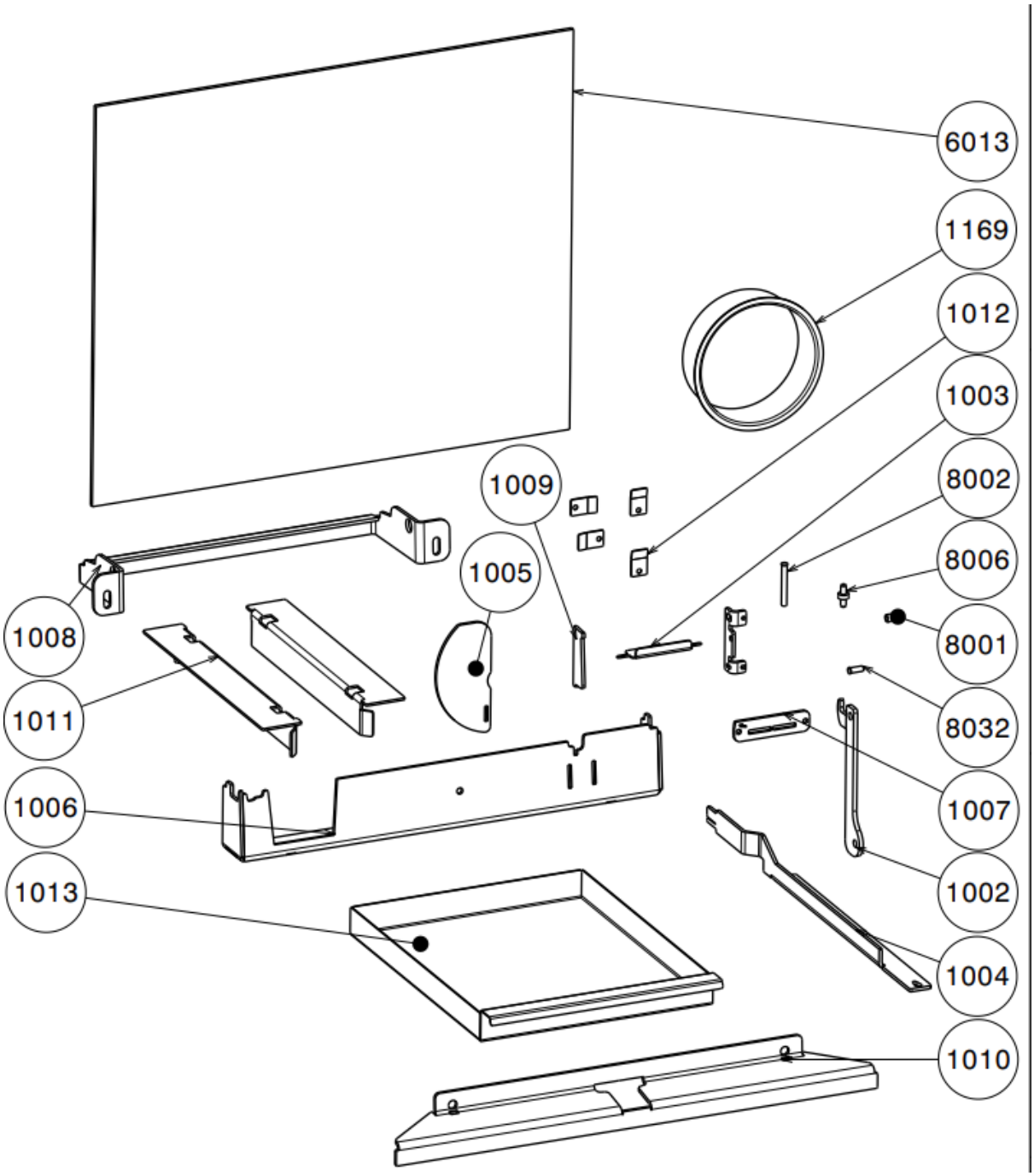

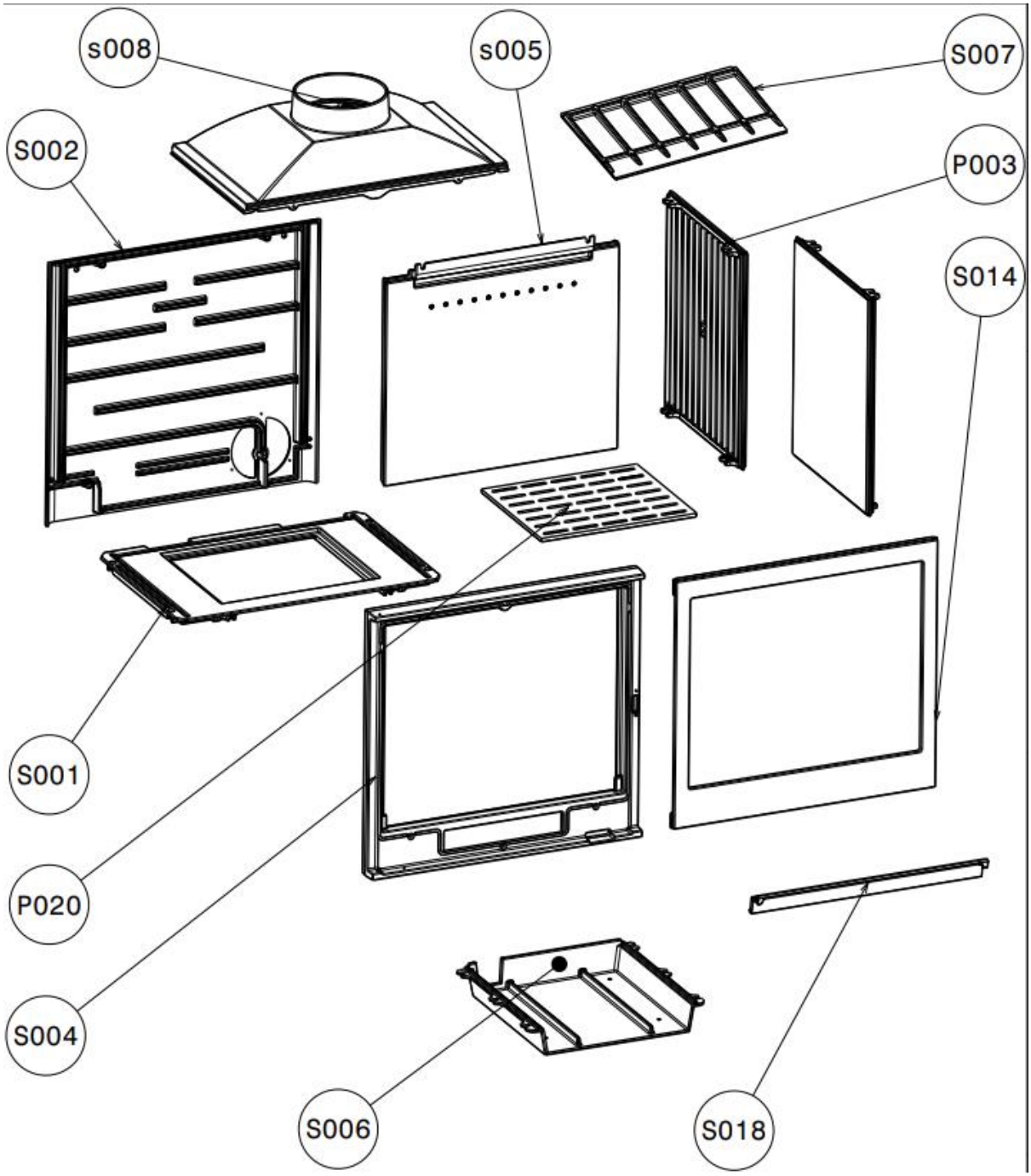
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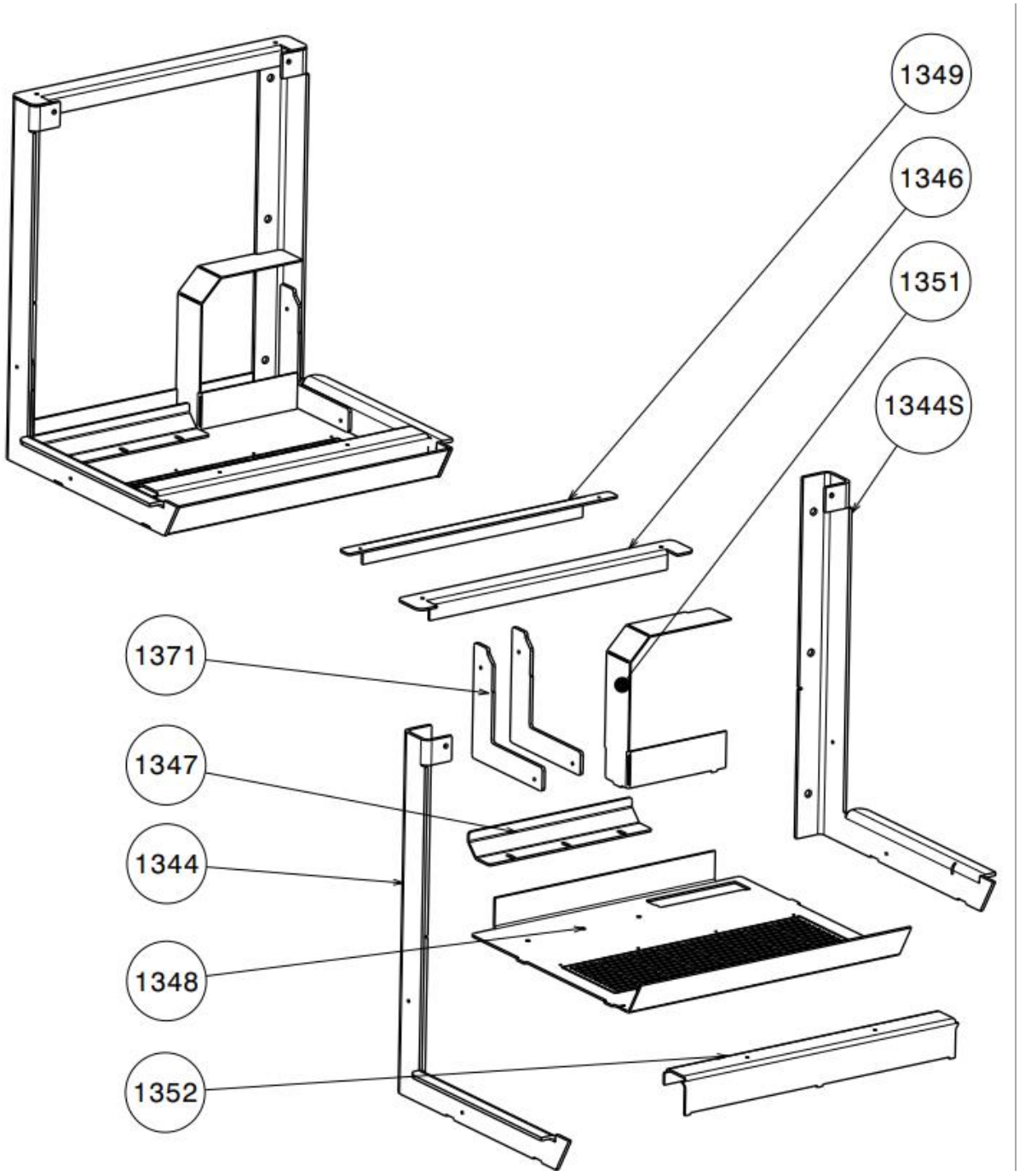
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6. Installation Guide:

Proper installation is crucial for the safe and efficient operation of your stove. In this section, you will find detailed instructions on the operating area requirements, important safety precautions, external air intake usage, flue pipe connection instructions, and cladding or decorative wall installation guidelines.

6.1 Operating Area Requirements:

Before installing your Liseo stove, it is important to ensure that the operating area meets the specified requirements. This includes clearances to combustible materials, proper ventilation, and adequate floor protection. When installing the stove, it is important to place it on a surface that is solid, level, and non-combustible. This ensures stability and reduces the risk of fire. Additionally, it is necessary to adhere to the specified safety distances from combustible materials as mandated by regulations. This prevents any potential hazards and allows for the safe operation of the stove. Adequate ventilation in the room where the stove is installed is crucial. The stove requires a sufficient air supply for combustion and proper ventilation to prevent the buildup of harmful gases. To further minimize the risk of fire, it is essential to keep the stove away from flammable materials such as curtains, furniture, and decorations. Lastly, the operating area should be clear of any obstructions that could interfere with the safe operation of the stove. This ensures that the stove can be used without any hindrances or potential dangers.

6.2 Safety Precautions:

Safety should always be a top priority when installing and operating your stove. When handling the stove and its components, it is important to use appropriate personal protective equipment (PPE) for safety. Additionally, it is crucial to adhere to all local building codes and regulations when installing the stove. This includes ensuring proper clearance from walls and other objects as specified in the installation guidelines. It is important not to modify or alter the stove or its components in any way, as this can void the warranty and compromise safety. If there is any uncertainty about the installation process, it is recommended to consult a professional installer or contact Hydrofire for assistance.

6.3 External Air Intake Usage:

For optimal performance and efficiency, some stove models may require an external air intake. It is important to ensure that the external air intake is properly connected to the stove. This ensures that the stove receives a fresh air supply from outside the room for combustion. It is essential to check that the air intake is free from any obstructions or blockages that could hinder the flow of air. This ensures the efficient operation of the stove and prevents any potential issues. By following these instructions, you can ensure the proper functioning and safety of your stove.

6.4 Flue Pipe Connection Instructions:

Proper connection of the flue pipe is essential to ensure the safe and efficient removal of combustion byproducts. When installing the stove, it is crucial to ensure that the flue pipe is installed in accordance with the local building codes and regulations. This ensures compliance with safety standards and prevents any potential hazards. It is important to select a suitable flue pipe material that is compatible with the stove and meets the necessary safety standards. This ensures proper

ventilation and prevents the risk of fire or harmful gas leaks. The flue pipe should be connected to the stove's flue outlet using the appropriate connectors and sealing methods. This ensures a secure and tight connection that prevents any leakage of gases. Before lighting the stove, it is essential to inspect the flue pipe for any leaks or damage. This inspection ensures that the stove operates safely and efficiently without any risks to occupants or property. By following these guidelines, you can ensure the proper installation and maintenance of the flue pipe for safe stove operation.

6.5 Cladding or Decorative Wall Installation:

If you plan to install cladding or decorative walls around your stove, it is important to follow the recommended guidelines to maintain proper clearances and ensure safe operation. When installing cladding around the stove, it is important to use non-combustible materials. This reduces the risk of fire and ensures the safety of the installation. Additionally, it is crucial to maintain the proper clearance between the stove and the cladding material as specified in the installation guidelines. This clearance allows for proper ventilation and prevents excessive heat buildup that could lead to a fire hazard. It is essential to securely attach the cladding materials to ensure they do not become loose or pose a fire risk. By following these recommendations, you can ensure a safe and aesthetically pleasing installation of cladding around the stove.

7. Air Control Mechanisms:

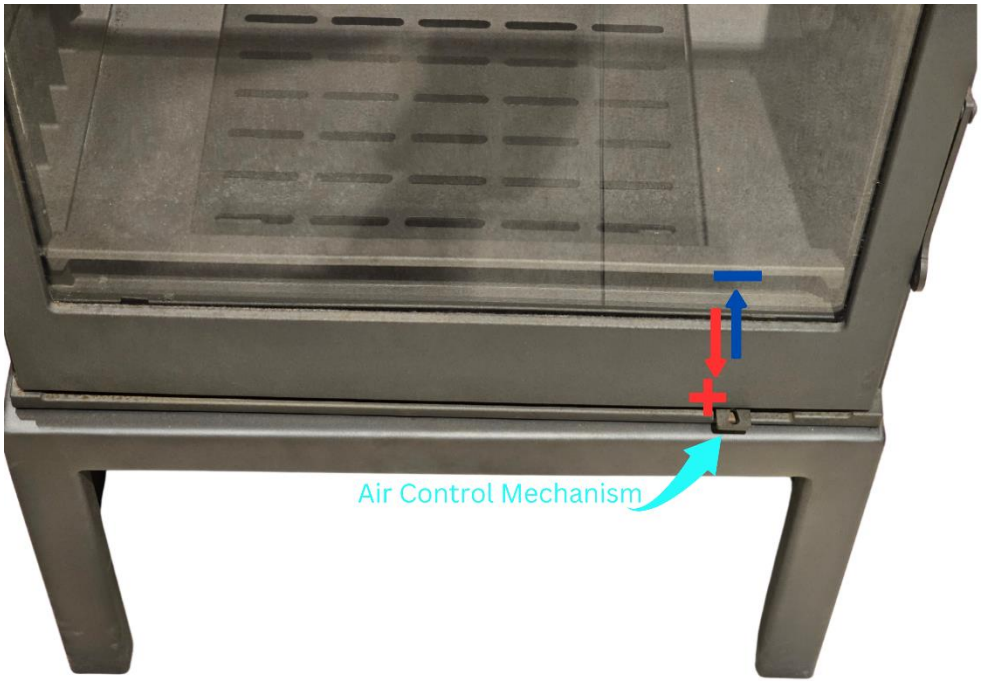
Our Liseo stoves are equipped with advanced air control mechanisms that allow you to regulate the combustion process. Understanding how to adjust the primary and secondary air controls will enable you to optimize the intensity and rate of combustion. The Liseo stoves are designed with air control mechanisms that offer flexibility in regulating the combustion process. The specific features and functionalities of these air controls may differ depending on the model of the stove. Here are some general instructions on how to use these air controls effectively:

7.1. Primary Air Combustion:

This control manages the amount of primary air that enters the stove for initial combustion. By adjusting this control, you can influence the intensity of the flames and the rate at which the fuel burns. Depending on the model, pulling the control towards you, or pushing it to the right typically increases the airflow and results in more vigorous combustion, while pushing it inwards or to the left, reduces the airflow and slows down the combustion process.

Air Control Mechanism

Primary
Air Control
Mechanism
Secondary
Air Control
Mechanism



7.2. Secondary Air Combustion:

Some Liseo stove models include a secondary air control mechanism. This control regulates the amount of secondary air that enters the stove, which aids in promoting secondary combustion. This secondary combustion helps optimize energy efficiency and reduces harmful emissions. The adjustment method for this control may vary between models, but it generally follows a similar principle of adjusting the airflow as the primary method.

7.3. Glass Clean Air:

Liseo stoves have a specific air inlet above the front glass, dedicated to keeping the glass clean during the combustion process. This air control works to prevent the glass from becoming dirty or sooty, ensuring a clear view of the flames.

It's important to note that the specific locations and methods for adjusting these air controls can vary across different Liseo stove models. Therefore, it is essential to consult Hydrofire or the recommended installer to help understand the specific functionalities and adjustment methods for your model. By properly utilizing these air control mechanisms, you can optimize the combustion process, improve energy efficiency, and maintain a clean and safe operation of your Liseo stove.

8. Dimensions and Technical Specifications:

For specific dimensions and technical specifications of your Liseo stove model, please refer to the documentation provided by Hydrofire. This information will guide you in determining the appropriate installation requirements and ensure compliance with safety standards.

9. Operating Instructions:

Operating the Liseo stove correctly is vital for achieving optimal performance and ensuring safety.

9.1. Pre-Ignition:

Before lighting the stove, it is important to carefully read and understand the instruction manual. This ensures that you follow the specific guidelines and procedures for your stove. Remove any accessories or adhesives that may be present on the stove before lighting it. Additionally, ensure that the paint on the stove has dried and hardened as per the manufacturer's recommendations. During the initial lighting, the stove may release some smoke and odour, so it is important to ensure proper ventilation in the room. Gradually heat up the chimney to prevent any sudden temperature changes and avoid trying to achieve maximum performance immediately.

9.2. Choice of Fuel:

It is crucial to use only wood with suitable characteristics for burning in the stove. Consult with the installer or refer to Hydrofire's recommendations for advice on the most appropriate wood for your stove. Factors to consider include heat capacity and moisture content. Avoid using alcohol, gasoline, or any other explosive and flammable substances as fuel, as they pose a significant safety risk.

9.3. First Ignition:

Exercise caution during the first ignition of the stove. Use dry and fine wood that ignites easily. Open the primary air inlet fully to provide sufficient oxygen for the initial combustion. Avoid overloading the stove with excessive wood, as it can hinder proper airflow. When opening the door during ignition or while the fire is burning, do so slowly to prevent smoke from flowing back into the room. Be mindful of the stove's metal structure, handles, and glass, as they can become hot during use.

7.4. Emergency Situations:

In the event of an emergency or if you need to quickly extinguish the fire, always keep the stove door closed. This helps restrict the supply of oxygen to the fire. Additionally, close the air inlets to minimize the airflow to the stove. If needed, seek assistance from qualified personnel or contact the relevant authorities for immediate help or guidance.

10. Maintenance and Cleaning Procedures:

Regular maintenance and cleaning are essential for the efficient operation and longevity of your Liseo stove.

10.1. Cleaning the Glass:

To clean the glass on your Liseo stove, you can use specific glass cleaning products recommended by Hydrofire. Alternatively, you can create a mixture of white ash and newspaper. Simply dip the newspaper into the ash and rub it gently on the glass to remove any accumulated dirt and soot. Regular cleaning of the glass will ensure a clear view of the flames.

10.2. Cleaning out the Ash:

It is important to clean the ashtray regularly, ideally before each use, when the stove is off and cold. Use a scoop to remove the ash from the ashtray and transfer it to a metal container. This is necessary because the ash may contain small, glowing embers that can pose a fire hazard. Store the container outside until the ash is completely cooled and no longer poses a danger.

10.3. Cleaning the Interior Walls:

When the chimney and stove are cooled down, you can brush off any soot that may have built up on the interior walls of the stove. Use a soft brush or a chimney cleaning brush to gently remove the soot. Be cautious not to damage any parts of the stove while cleaning. Regular cleaning of the interior walls will help maintain the efficiency and performance of your stove.

10.4. Disassembly and Cleaning of Deflectors:

If required, you can refer to tutorial videos or consult a recommended installer for guidance on disassembling and cleaning the deflectors in your Liseo stove. It is important to follow the specific instructions provided to avoid damaging any components of the stove. Cleaning the deflectors, if necessary, will help remove any accumulated debris and ensure proper airflow within the stove.

10.5. Cleaning of Painted Parts:

Avoid using abrasive or aggressive cleaning products or wet cloth on the painted parts of your Liseo stove, as they can damage the paint. Instead, use dry paper or cloth to wipe the painted parts gently. Moisture on the stove can cause rust to develop, so it is important to keep the painted parts dry and clean them with care. By following these cleaning practices, you can maintain the appearance and longevity of your Liseo stove.

11. Professional Cleaning Services:

Certain cleaning tasks, such as cleaning the flue pipe, should be performed by a recommended technician. Contact Hydrofire or a qualified professional to schedule regular maintenance and cleaning of the flue pipe to prevent the buildup of soot and ensure proper functioning.

We hope this instruction manual provides you with the necessary guidance to enjoy the full benefits of your Liseo stove. Should you have any further questions or require additional assistance, please do not hesitate to contact our customer support team.

12. Common Wood Stove Problems and Solutions:

Wood stoves can sometimes encounter various problems. Here are some common wood stove problems and their possible solutions:

12.1. Insufficient Heat Output:

If your wood stove isn't producing enough heat, check the following:

- Ensure proper air circulation by opening the air vents fully.
- Use properly seasoned firewood with low moisture content (Less than 18%).
- Clean the stove exit (spigot) and chimney to ensure efficient airflow.
- Make sure the stove is properly sealed to prevent any air leaks.

12.2. Excessive Smoke:

Excessive smoke can be a sign of poor combustion or airflow issues. Check the following:

- Open the air vents to allow more oxygen for combustion.
- Use dry and well-seasoned firewood to prevent excessive smoke.
- Clean the stove exit and chimney to remove any blockages or creosote buildup.
- Ensure that the damper is fully open and functioning correctly (if the unit uses one).

12.3. Difficulty in Starting or Maintaining a Fire:

- Ensure there is sufficient airflow by opening the air vents properly.
- Use plenty of kindling and smaller pieces of wood to start the fire.
- Avoid using damp or green wood that can be challenging to ignite.
- Clean the stove exit and chimney to ensure good airflow.

12.4. Glass Door Getting Dirty:

The glass door of a wood stove can become dirty due to soot and creosote buildup. Here's what you can do:

- Use a glass cleaner specifically designed for wood stove glass.
- Allow the fire to burn hot occasionally to help burn off any built-up deposits.

- Gently brush off any loose soot with a soft cloth or brush.

- Avoid using abrasive cleaners or materials that could scratch the glass.

12.5. Unpleasant Odors:

If your wood stove is producing unpleasant Odors, consider the following:

- Clean the stove exit and chimney to remove any accumulated debris.

- Ensure proper venting and chimney draft.

- Avoid burning treated or painted wood, as it can produce noxious smells.

- Check for any areas of the stove or chimney that may be damaged or leaking.

12.6. Difficulty Controlling the Fire:

If you find it challenging to control the fire in your wood stove, try the following:

- Use smaller pieces of firewood to have better control over the burn rate.

- Adjust the air vents to regulate the airflow and oxygen supply.

- Consider installing a damper or stove exit damper to improve control.

12.7. Creosote Buildup:

Creosote is a byproduct of wood combustion that can accumulate in the stove exit and chimney, leading to poor performance and potential fire hazards. To prevent or address creosote buildup:

- Burn only well-seasoned hardwood to reduce creosote formation.

- Avoid smouldering fires and instead aim for hotter, more efficient burns.

- Regularly clean the stove exit and chimney to remove creosote deposits.

12.8. Ash Pan Difficult to Empty:

If the ash pan of your wood stove is challenging to empty or remove, consider the following:

- Allow the ash to cool down completely before attempting to empty it.

- Use a metal ash shovel or a vacuum designed for collecting ashes.

- Apply a thin layer of ashes on the bottom of the pan to act as a protective coating.

12.9. Damaged Gaskets or Seals:

Over time, the gaskets or seals on a wood stove may become worn or damaged, leading to air leaks. To address this issue:

- Inspect the gaskets and seals regularly and replace them if necessary.

- Use high-temperature gasket adhesive to secure new gaskets in place.

- Ensure a proper seal between the stove door and the body of the stove.

12.10. Carbon Monoxide (CO) Concerns:

Wood stoves can produce carbon monoxide, a colourless and odourless gas that can be harmful or even life-threatening. To mitigate the risk of carbon monoxide poisoning:

- Install and regularly test carbon monoxide detectors in the vicinity of the wood stove.

- Ensure proper ventilation and airflow to minimize the buildup of carbon monoxide.

- Follow proper installation guidelines and adhere to all safety regulations.

Remember, if you are uncertain about specific issues or encounter persistent problems with your wood stove, it is always advisable to seek assistance from a qualified professional or technician to ensure the safe and effective resolution of the problem.