

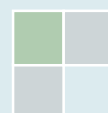


# LISEO

## Insert

European Standard Certification UNE EN-13229 inserts

LISEO s.r.o. Folknářská 1246/21 Děčín 2 – Nové Město 405 02





<b>INTRODUCTION .....</b>	<b>4</b>
<b>1. GUARANTEE CONDITIONS.....</b>	<b>4</b>
1.1. SAFETY WARNINGS.. .....	4
1.2. GUARANTEE CONDITIONS.....	4
<b>2. INSTALLATION IN ACCORDANCE WITH LOCAL AND NATIONAL STANDARDS.....</b>	<b>5</b>
2.1. OPERATING AREA.....	5
2.2. PRECAUTIONS.....	5
2.3. CONNECTION TO THE EXTERNAL AIR INTAKE.....	5
2.4. CONNECTION TO THE FLUE PIPE .....	6
<b>3. DIMENSIONS AND TECHNICAL SPECIFICATIONS .....</b>	<b>7</b>
<b>4. INSTALLATION AND ASSEMBLY .....</b>	<b>8</b>
4.1. PREPARATION AND UNPACKING... .....	8
4.2. GENERAL ASSEMBLY RULES .....	8
4.3. CONNECTION TO THE FLUE PIPE.....	9
4.4. SMOKE VALVE (optional).. .....	9
4.5. ASSEMBLY OF CLADDING.... .....	9
<b>5. OPERATION.....</b>	<b>10</b>
5.1. PRE-LIGHTING WARNINGS.....	10
5.2. CHOICE OF FUEL... .....	10
5.3. FIRST LIGHTING... .....	11
5.4. CONTROL OF COMBUSTION.. .....	11
5.5. EMERGENCY SITUATIONS.. .....	11
<b>6. MAINTENANCE AND CLEANING IN CHARGE OF THE USER .....</b>	<b>12</b>
6.1. CLEANING THE GLASS .....	12
6.2. CLEANING OUT THE ASHES.....	12
6.3. CLEANING THE INTERIOR WALLS (refractory).....	12
6.4. CLEANING THE REFRACTORY DEFLECTOR.....	12
6.5. CLEANING THE DEFLECTOR IN CAST IRON.....	12
6.6. CLEANING OF PAINTED PARTS .....	12
<b>7. CLEANING TO BE DEALT WITH BY SPECIALIZED TECHNICIAN. ....</b>	<b>13</b>
7.1. CLEANING FLUE PIPE.....	13

## INTRODUCTION

Dear customer,  
We desire to thank you for the trust placed in **LISEO** products.

Throughout the years, you will appreciate the quality of our product, result of our interest in offering to you the best technology, ease of use and, above all, safety.

**For obtaining an optimal performance, we recommend you to read carefully this manual before the first firing.**

## MANUAL PRESERVATION

Ensure that this manual is always with the appliance even in the event of a change of owner, user or moved to another location.

You can request another copy to the technical service in the area.

## WARNING AND WARRANTY CONDITIONS

**The installation must be performed by authorized personnel. Request to your installer a declaration of conformity of the installation, in which he will assume full responsibility for the final installation and therefore the proper functioning of the installed product.**

**Pay special attention to the laws and regulations in the area of the device installation.**

***LISEO doesn't take any responsibility in the event of failure to comply with these precautions.***

To ensure its proper operation, the stove components can only be replaced by original spare parts and repaired by an authorized Assistance Technical Center.

These devices **are not** intended for use by persons with reduced physical, sensory or mental limited or without experience or knowledge. Children should be supervised at all times to ensure that they do not play with the equipment or come into contact with hot work surfaces.

After a long period of inactivity, before turning the appliance, check that there are no obstructions. In this case, contact the Assistance Service Center.

In case of fire in the flue pipe, keep closed the door and the input of combustion air of the fireplace. Request the intervention of the competent authorities.

## EXCLUSIONS

**Excluded from the warranty all parts that may be defective due to negligence or careless use, incorrect maintenance or installation not compliant with that specified by *LISEO*.**

They are not part of the guarantee those parts subject to normal wear such as **joints, glass and any all parts that can be removed from the fire box.**

Replaced parts will be warranted for the remaining warranty period, with effect from the date of appliance purchase.

**The glass are guaranteed until the moment when the authorized installer confirms its integrity and completes commissioning.**

## 2. INSTALLATION IN ACCORDANCE WITH LOCAL AND NATIONAL STANDARDS

### 2.1. OPERATING AREA

Ventilation: To allow proper operation, verify that the oxygen required for combustion can be obtained in sufficient quantity in the place where it is to install the appliance.

Location of appliance: Choose a central location in the room that favors a good distribution.

Ensure that there aren't made or coated with materials that are flammable or degrade with heat effect (wallpaper, carpet, light closures based on plastics, etc.)

**Not allowed the installation of the stove in bedrooms or bathrooms neither in places that has been already installed other heating appliance or a fume extraction system without an independent air intake (kitchen extractor, fireplace, stove, etc.).**

**It is forbidden to place the fireplace in explosive environments.**

**With wooden floors, provide for protection of the soil surface in accordance with the rules in force in the country.**

### 2.2. PRECAUTIONS

**The installation and assembly of the fireplace must be performed by qualified personnel. The chimney must be connected to an internal or external vertical duct in accordance with existing laws, which can discharge smoke at the highest point of the house, waterproof and properly insulated.**

### 2.3. CONNECTION WITH EXTERNAL AIR INTAKE

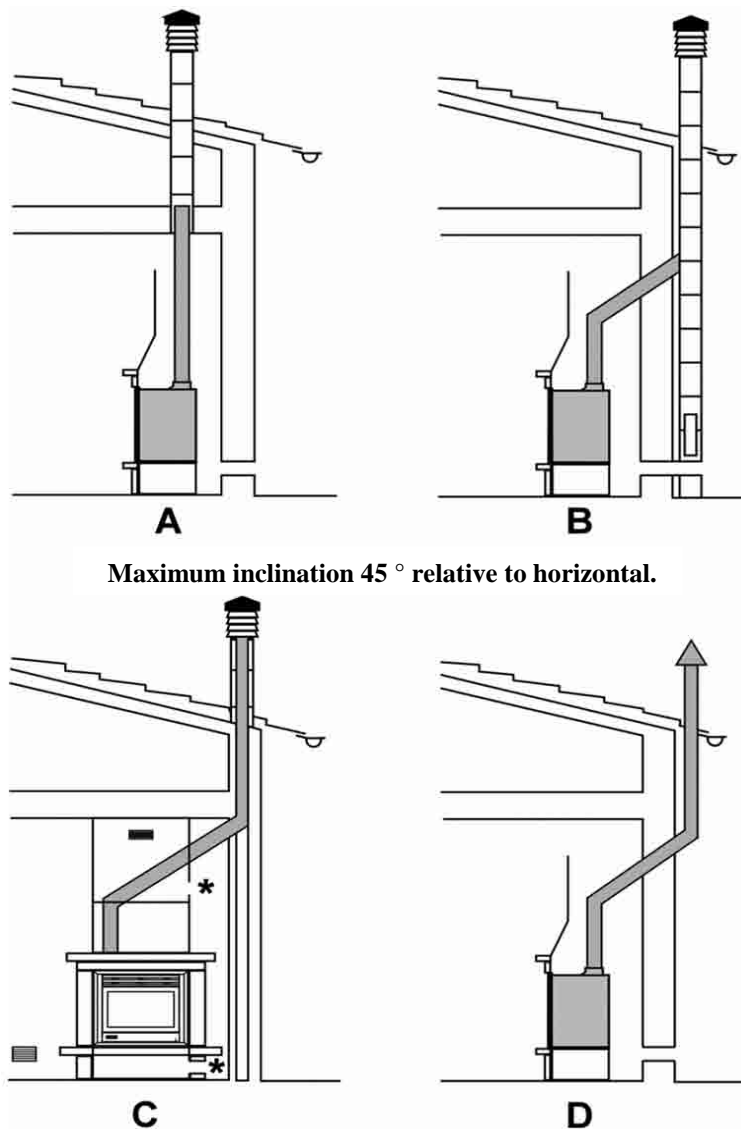
The chimney must have at least as much air as you need for a normal combustion of the appliance and the ventilation of the place. Respect the UNI 10683 norm relative to the ventilation openings.



**The ventilation grilles must be installed so that cannot be obstructed**



## 2.4. CONNECTION TO THE EXTERNAL AIR INTAKE



**The smoke exhaust system must be unique to the insert  
(Not allowed pipe discharges common to other fireplace).**

Fumes discharged is made from the opening situated at the top.  
The discharge pipe must be connected to the outside using appropriate tubes and eventual isolation. Is necessary to use materials resistant to high temperatures.

## 2.5. ASSEMBLY OF CLADDING

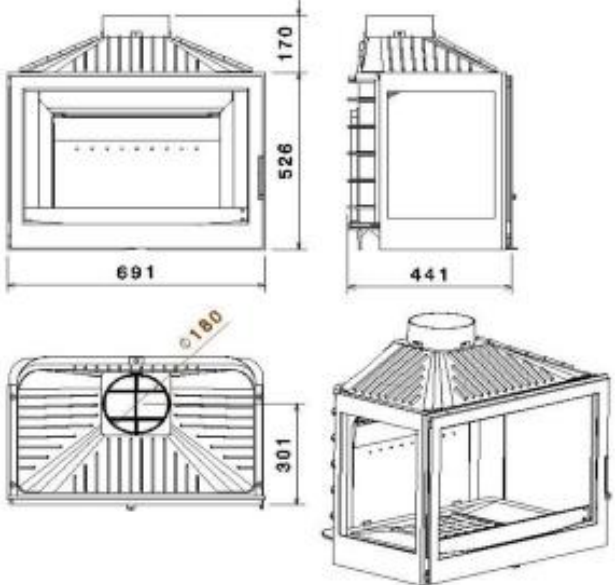
The fireplace and the parts of the cladding must be attached together **WITHOUT ANY CONTACT WITH STEEL STRUCTURE** to prevent heat transmission to the coating and allow thermal expansions. Beware of wood finishes such as beams or shelves, which must be properly insulated. In particular, the shelves should be placed at a distance upper to 30 cm from the top of the appliance.

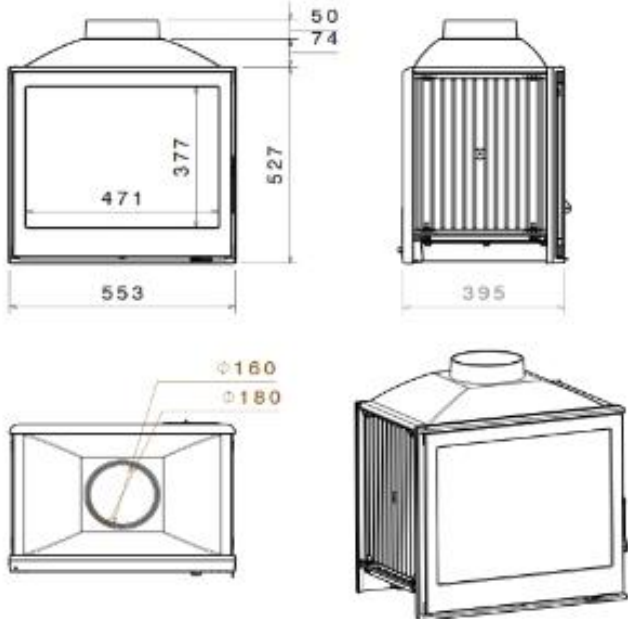


### 3. DIMENSIONS AND TECHNICAL SPECIFICATIONS

	<b>AIR TIGHT L70 - L700 Black</b>	
	<b>Technical Specifications UNE-EN 13229</b>	
Fuel	Firewood	
Consumption per hour	3,34kg/h	
Nominal thermal power	10kW	
Efficiency	72%	
CO emission in smoke (13% O <sub>2</sub> )	0,22%	
Massive smoke capacity	11,8g/s	
Recommended draught	12Pa	
Smoke temperature	300°C	
Smoke outlet	Ø 18 cm	
<b>Note</b>		
Intermittent combustion unit Fresh air connection input Ø 120 mm		

	<b>L7 Black</b>	
	<b>Technical Specifications UNE-EN 13229</b>	
Fuel	Firewood	
Consumption per hour	3,34kg/h	
Nominal thermal power	10kW	
Efficiency	72%	
CO emission in smoke (13% O <sub>2</sub> )	0,22%	
Massive smoke capacity	11,8g/s	
Recommended draught	12Pa	
Smoke temperature	300°C	
Smoke outlet	Ø 18 cm	
<b>Note</b>		
Intermittent combustion unit		

	<b>L7/L7L/L7R/L7L+R</b>	
	<b>Technical Specifications UNE-EN 13229</b>	
Fuel	Firewood	
Consumption per hour	3,34kg/h	
Nominal thermal power	10kW	
Efficiency	72%	
CO emission in smoke (13% O2)	0,22%	
Massive smoke capacity	11,8g/s	
Recommended draught	12Pa	
Smoke temperature	300°C	
Smoke outlet	Ø 18 cm	
<b>Note</b>		
Intermittent combustion unit		

	<b>L5/L5_R/L5_R/L5_R+L</b>	
	<b>Technical Specifications UNE-EN 13229</b>	
Fuel	Firewood	
Consumption per hour	3,49kg/h	
Nominal thermal power	12kW	
Efficiency	76%	
CO emission in smoke (13% O2)	0,36%	
Massive smoke capacity	8,1g/s	
Recommended draught	12Pa	
Smoke temperature	371°C	
Smoke outlet	Ø 16/18 cm	
<b>Notas</b>		
Intermittent combustion unit		

<i>L5_DF / L5_R / L5_L / L5_R+L</i>	
<b>Technical Specifications</b> <b>UNE-EN 13229</b>	
Fuel	Firewood
Consumption per hour	3,49kg/h
Nominal thermal power	12kW
Efficiency	76%
CO emission in smoke (13% O2)	0,36%
Massive smoke capacity	8,1g/s
Recommended draught	12Pa
Smoke temperature	371°C
Smoke outlet	Ø 16/18 cm
<b>Note</b>	
Intermittent combustion unit	

<i>AIR TIGHT L5 / L5 L / L5 R / L5 L+R</i>	
<b>Technical Specifications</b> <b>UNE-EN 13229</b>	
Fuel	Firewood
Consumption per hour	2,06kg/h
Nominal thermal power	7kW
Efficiency	79%
CO emission in smoke (13% O2)	0,27%
Massive smoke capacity	5,6g/s
Recommended draught	12Pa
Smoke temperature	303°C
Smoke outlet	Ø 16/18 cm
<b>Note</b>	
Intermittent combustion unit Fresh air connection input Ø 120 mm	





## 4. INSTALLATION AND ASSEMBLY



### **IMPORTANT**

The chimney can only be installed and connected to the flue by a specialized technician, respecting in every time the national and local standards and in compliance with UNI 10683.

### 4.1. PREPARATION AND UNPACKING

When you unpack the fireplace, check for perfect operation, as well as the possible presence of shipping damage. Any anomalies must be immediately reported to the transport carrier or seller.

Check the accordance with what is provided.



**The chimney must always move in VERTICAL position.**

The glass is fragile, it's necessary to protect it.

If possible, unpack the fireplace near the area where you will install it.

### 4.2. GENERAL ASSEMBLY RULES

The appliance must always lean on a structure which support the weight and leave at least 5 cm air gap between the chimney and walls



If the chimney is placed on a floor or near combustible walls, a proper insulation is recommended.

## 5. OPERATION

### 5.1. PRE-LIGHTING WARNINGS

Make sure you have read and perfectly understood the contents of this instruction manual.

Remove from the fireplace and the door all accessories, adhesives and equipment that could burn.



During the first lighting, the paint completes its drying and hardens. If you touch the paint, it could cause some damage.

During this phase the paint may release a little smoke and smell of paint. Make sure the room is sufficiently ventilated during this phase.

Smoke and the smell of paint will vanish after about one hour of operation.

Please note, however, that are not harmful to health.



**Do not overheat the chimney immediately, take it gradually to the desired temperature.**

**Do not try to immediately achieve maximum performance of the appliance.**

### 5.2. CHOICE OF FUEL

**Use only wood with suitable characteristics. Without moisture.**

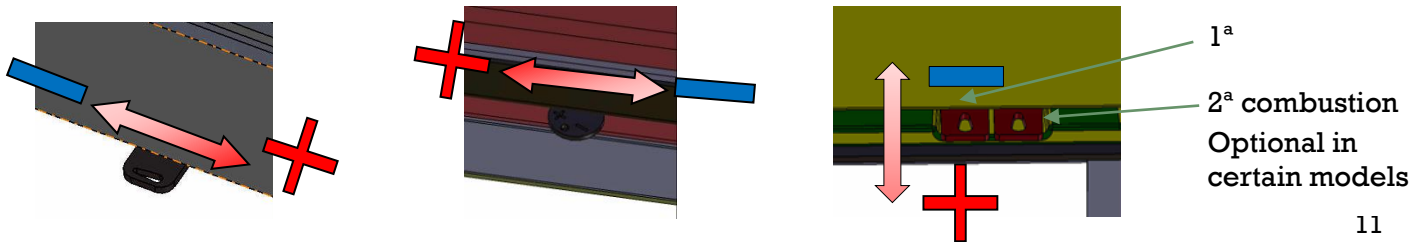
**Get advice from your installer about the most appropriate wood for burning existing in your region.**

Wood drying time (i.e. beech)	Humidity %	Heat power kcal/h
Freshly cut	50	/
3 months	40	2410
6 months	35	2700
9 months	30	2900
12 months	25	3150
15 months	20	3400
18 months	15	3710
21 months	10	3980

Heat capacity of the timber in relation to the contained moisture.

### 5.3. FIRST LIGHTING

**In the first lighting, you are advised to proceed with caution and use fine and dry wood.**  
Place the primary air input fully open (see figure).



**DO NOT USE under any circumstances: alcohol, gasoline or any other explosive flammable substances.** During the first lightings, it could release fumes or unpleasant odors caused by the drying of the paint; it is not hazardous, it's just necessary to ventilate the room. Once combustion is performed regularly, introduce wood pieces of normal size.

**When you open the door, do it slowly to avoid returns of smoke in the room.**

**Never load the fireplace with excessive wood (see technical data).**

**During use, the metal structure, the handles and the glass reach hot temperature; therefore, use proper thermal protection for handling.**

**During normal use, keep the fireplace's door always closed completely.**

### 5.4. CONTROL OF COMBUSTION

The regulation is in the front (*under the door*).

Moving the control (to **-** "or" **+**) we reduce or increase the quantity of air which contribute to combustion.

**PRIMARY AIR** air input from the bottom.

**SECONDARY AIR** air input from the back (deflector).

**GLASS CLEAN AIR** prevents the glass from getting dirty during combustion.

***Once the flame in the fireplace is well underway, move the air primary lever to "minus". In this condition, the primary air input is reduced and the air flow passes to the second combustion, so we can regulate the desired power of combustion.***

### 5.5. EMERGENCY SITUATIONS

If, for any reason, you have to quickly extinguish the fire of the fireplace or intervene in a fire trapped in the flue pipe, act following the proposals below:

- Always leave closed the appliance door,
- Close the air inputs,
- Request urgently the intervention of the competent organisms.

## 6. MAINTENANCE AND CLEANING IN CHARGE OF THE USER



### ATTENTION

Only clean the chimney when it's completely cold.

### 6.1. CLEANING OF THE GLASS

To clean the glass, you can use specific products, or some white ash and a newspaper page.

Clean regularly the glass; an accumulation of dirt and soot increases the glass cleaning time.

### 6.2. CLEANING OUT THE ASHES

Exclusively with the fireplace off and cold. We recommend daily cleaning of the ash drawer.

**Ash can contain small glowing embers that can stay incandescent for hours.**

**Outdoor store ashes in a metal container until you are sure that pose no danger.**

### 6.3. CLEANING THE INTERIOR WALLS (refractory)

With the cold chimney, brush the soot that may have adhered.

### 6.4. DISASSEMBLY AND CLEANING THE REFRACTORY DEFLECTOR (K7)

As it's in refractory material, is fragile. Treat with caution. For cleaning, do not need special care. Simply brush the soot adhered

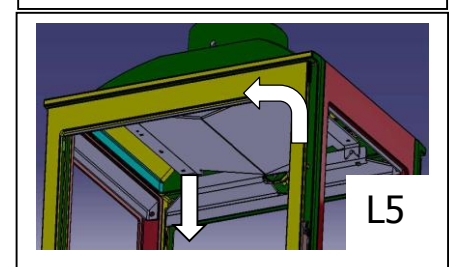
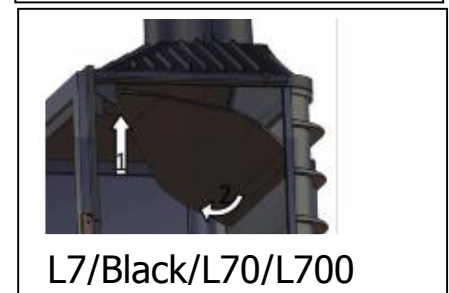
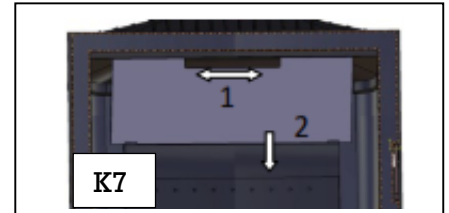
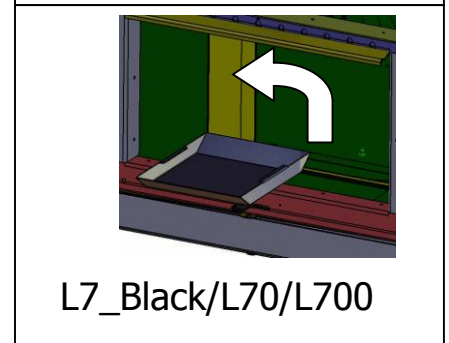
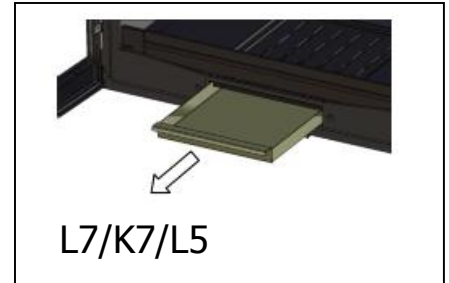
### 6.4.B. DISASSEMBLY AND CLEANING THE CAST IRON DEFLECTOR

**(L7/BLACK/L70/L700)**

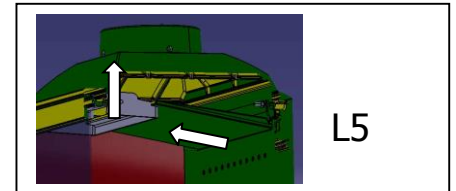
*Lift the front side, pull forward, the back side is released.*

For cleaning, do not need special care. Simply brush the soot adhered.

### 6.5. CLEANING OF PAINTED PARTS



Do not use abrasive or aggressive products or materials. Wipe with a paper or cotton wet cloth. Avoid cleaning with wet cloths painted parts when hot, to avoid thermal shock to the paint.



## **7. CLEANING TO BE DEALT WITH BY SPECIALIZED TECHNICIAN**

### **7.1. CLEANING FLUE PIPE**

We recommend performing a mechanical cleaning of the flue pipe at least once a year. The slag buildup can cause problems in the evacuation of the fumes and increases the risk of fire in the smoke flue.



#### **ATTENTION**

**For maintenance, we advise to contact a specialized center that will be in a position to define, according to the type of installation and depending on the use made of it, the frequency of cleaning and maintenance.**