ENGLISH

MANUALLY OPERATED WITH DRY SYSTEM PELLET AND WOOD STOVE USER MANUAL

(EN)

POINTS TO PAY ATTENTION TO

INFORMATION ABOUT THE BUILT-IN BATTERY:

This device contains a rechargeable lithium-ion battery/cell:

Model: Aspilsan INR18650A28
Type: rechargeable lithium-ion cell
Nominal voltage: 3.65 V
Capacity: 2800 mAh
Energy: 10.22 Wh

CAUTION:

Do not expose the battery compartment to temperatures above 60°C.
Do not puncture, disassemble, crush or burn the battery.
Do not allow the contacts to short-circuit.
Do not use the device if the battery is deformed, swollen, leaking, overheated or its insulation is damaged.
If you notice smoke, an unusual smell, leakage, overheating or deformation, stop using the device immediately and contact a service center.
For more detailed technical and safety information, see the SDS section in the appendix of the manual.

CHIMNEY TEST: Be sure to carry out the following steps, even if you have previously used a stove on the chimney to which you will connect the stove.

1. Make sure that your chimney structure Page 2 conforms to the images shown on page 2.
2. Before installing the stove, be sure to clean the entire chimney, from the chimney inlet in your room to the roof outlet.
3. Check and make sure that the chimney works and has a good draft.
4. We recommend installing a suitable cap at the roof outlet of the chimney to prevent back-drafts, precipitation and birds from entering your chimney.
5. Method for checking the chimney draft;

WITH THE SMOKE TABLET: In order to get maximum efficiency from your Baba's brand stoves, the chimney draft must have a strength of 10 Pascal. You can test the draft strength of your chimney with the smoke tablet supplied in the box, as described below:

1. Since you will need to measure time, open the stopwatch app on your mobile phone.
2. Light the smoke tablet inside the firebox, start the stopwatch and close the firebox door.
3. Measure the time until the smoke has completely disappeared from the firebox.
4. If evacuation occurs in less than 50 seconds: The draft strength of your chimney is higher than it should be. In this case, you must use a chimney damper to bring the draft closer to the standard level of 10 Pascal.
5. If evacuation occurs between 50 and 85 seconds: The draft strength of your chimney is at an ideal level and is suitable for using the stove.
6. If evacuation takes longer than 85 seconds: There may be a blockage in your chimney, or the external position of your chimney may be incorrect. In this case, you must contact a chimney company or specialist to adjust the draft strength of your chimney so that it reaches the value of 10 Pascal.

Evacuation Time	Condition	Action to Take
Less than 50 seconds	Draft too high	Fix the draft at the 10 Pascal level using a chimney damper.
Between 50 and 85 seconds	**Ideal**	Your chimney is suitable for operating a manual pellet stove.
Longer than 85 seconds	Weak draft / Blockage	Have your chimney checked or have the draft adjusted to 10 Pascal by an authorized chimney company.

CHECKING THE PIPES:

1. If the pipes you will use to connect the stove to the chimney have been used before;
   - **1.1.** Be sure to clean off any soot and deposits.
   - **1.2.** Make sure there are no holes in the exposed surfaces.
   - **1.3.** Make sure the interlocking end sections are not bent and fit tightly into one another without leaks.
2. When connecting the stove to the chimney, use no more than 3 elbows. A greater number of elbows reduces the chimney draft. Do not attach devices such as economizers, heat retainers, etc. to the pipe outlet of the stove. Since these parts reduce the chimney draft, they may cause you to experience unexpected problems.
3. When connecting the stove to the chimney, you can use a maximum of 3 metres of pipe on the horizontal line. On longer horizontal lines the chimney draft will drop, so you may encounter unexpected problems.

PLACEMENT OF THE STOVE:

1. Try to place the stove as close to the centre of the room as possible.
2. You must take care to install your stove at least 50 cm away from objects and the wall on its right and left sides, and its rear at least 20 cm away from objects and walls. These clearances are necessary for safety and ease of use.
3. Secure objects such as curtains and net curtains that could touch the stove when they move, and take the utmost care that they do not touch the stove.
4. Install your stove at least 100 cm away from carpets. We recommend placing a floor-protecting board under your stove.

PELLET SPECIFICATIONS:

Our stoves are suitable for burning pellets with a 6 mm diameter, produced from pine sawdust in accordance with A1 standards. The length of the pellet sticks must be no more than 35 mm. Longer pellet sticks clog the fuel feed system, cut off the fuel flow and cause the stove to go out or burn improperly. Never use pellets obtained from industrial waste such as MDF sawdust. When buying pellets, make sure they have the EN PLUS A1 certificate or standard.

WARNINGS:

When you light your stove for the first time;

1. Before lighting, wipe the top plate and its surroundings with a damp but not wet cloth. Never use detergent.
2. Do not place items such as teapots or pots on the top plate.
3. After a while, smoke will start to come out of the stove. The cause of this smoke is the process of the paint bonding to the surface. With the heat, the paint will first soften. This is a necessary and normal situation; do not intervene. On models with an oven, open the oven door and leave it open until the end of this process. The stove may continue to emit smoke for about 2 hours. Ventilate the room continuously. The paint used is produced specifically for stoves.
4. The first burn must last at least 4 hours, and during this time the stove must not be turned down. At the end of the 4 hours, the stove must be left to go out and allowed to cool completely.
5. After the stove has cooled completely, you can light it again and place items such as teapots and pots on it.

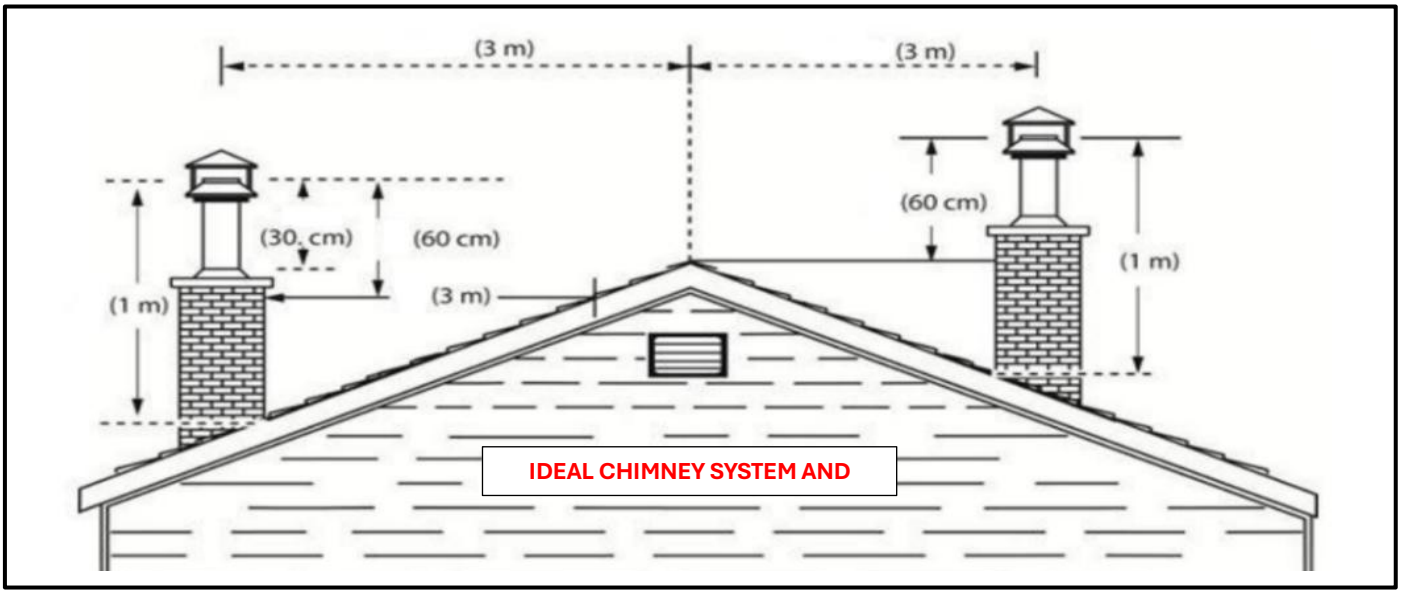
CAUTION! DANGER!

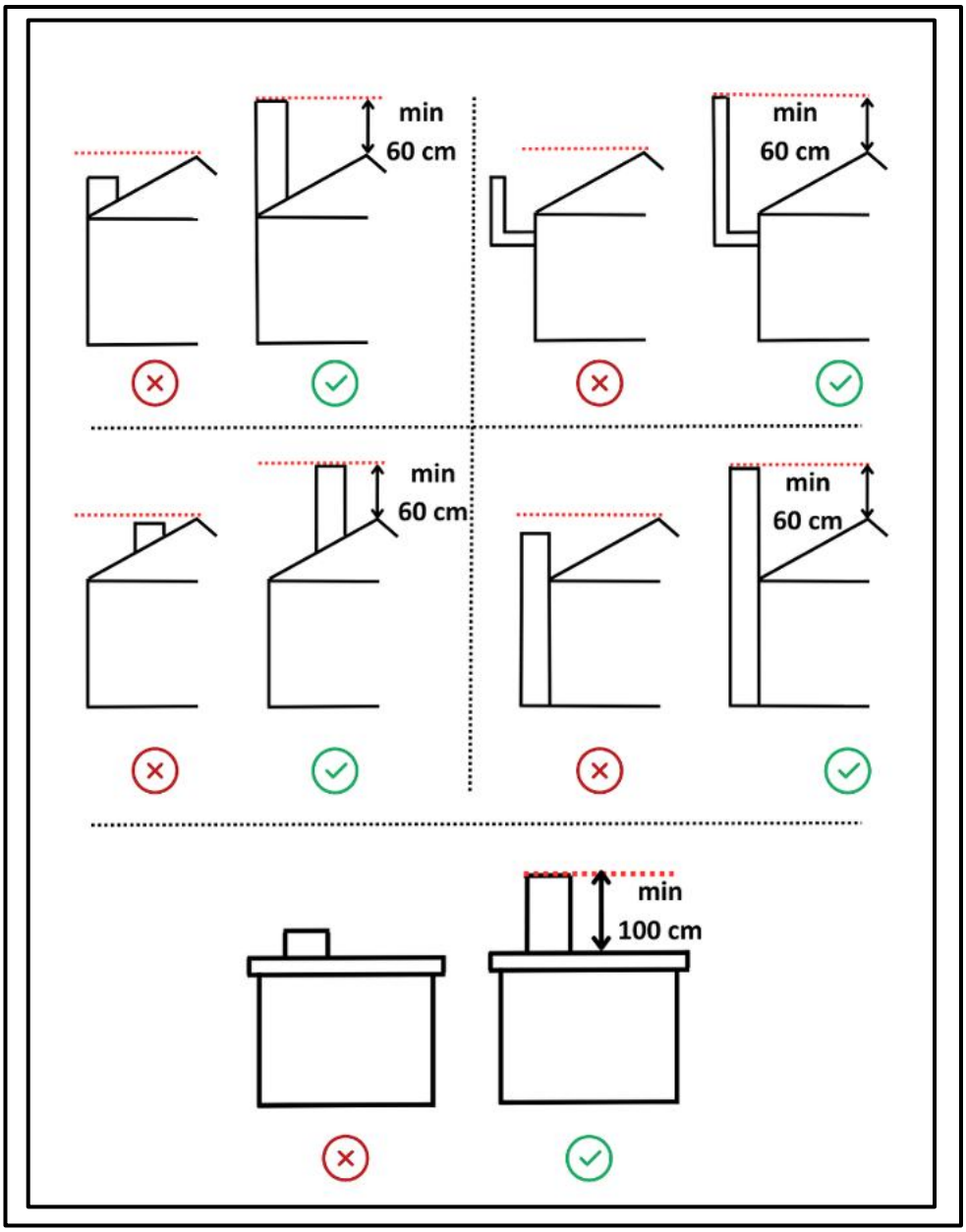
If the draft of your chimney is not proper and/or your pipes do not have the required specifications and/or the pellet fuel does not meet the specified characteristics, you may face the following situations.

- THE STOVE NOT BURNING AT ALL / BURNING BRIEFLY AND GOING OUT
- THE STOVE NOT BURNING EFFICIENTLY / GOING OUT BY ITSELF
- SMOKE ACCUMULATION IN THE COMBUSTION CHAMBER / SMOULDERING / EXCESSIVE SOOTING OF THE GLASS
- IRREGULAR FUEL FLOW
- PUFFING / EXPLOSION (Can dislodge the pipes and cause the glass to break.)

CAUTION! Unless the conditions described in this section are met, never connect your stove to the chimney and never light it. Never use the stove without reading the User Manual; user errors are outside the scope of the warranty.

CHIMNEY VERIFICATION DIAGRAMS





QUICK START AND USE

MAKE SURE YOU HAVE READ THE USER MANUAL.

USER ERRORS ARE OUTSIDE THE SCOPE OF THE WARRANTY.

1- When filling the TANK, the pellet flow control must be in the "pellet off" position.
2- When lighting the stove, the pellet flow control must be in the "pellet on" position.
DO NOT TRY TO ADJUST THE HEAT BY THROTTLING THE PELLET LEVER.
3- To turn off the stove, set the pellet flow control to the "pellet off" position and press lightly. Make sure you hear a "click" sound. If you hear this sound, it means the pellet flow has been completely cut off.
4- The heating level of the stove; this can be done using the "heat control" located at the bottom. To reduce the heat, turn the control lever towards the minus sign; to increase it, towards the plus sign. 5- If you encounter an unexpected situation during use, please read the "Problems and Solutions" section in the user manual.

WARNINGS: ***BE SURE TO READ THE USER MANUAL BOOKLET. USER ERRORS ARE OUTSIDE THE SCOPE OF THE WARRANTY.***

1- Do not use the stove if you do not have a chimney that complies with the standards. If you have a chimney, make sure it is clean and has a draft.
2- When the stove is first lit, smoke and odour occur because the paint bonds. Burn the stove for at least 4 hours, leave the oven door open, ventilate the room and do not place objects on the stove.
3- Do not place objects on the safety cover located on the top plate of the stove.
4- As long as the stove is burning, the pellet flow lever must be in the ON position. Do not try to adjust the heat by throttling the pellet lever.
5- At least once every 12 hours, extinguish the stove, clean it, and then light it again.
6- Use only A1-quality pine pellets with a 6 mm diameter.
7- Do not leave the room before the stove has gone out completely.

HOW TO LIGHT IT?
1- Set the Pellet Flow On/Off Lever to the 'PELLET OFF' position. Fill the Pellet Tank with pellets.
2- Make sure the Combustion Pot Cleaning Mechanism and the Lower Drawer of the Combustion Pot are closed.
3- Set the Pellet Flow On/Off Lever to the 'PELLET ON' position. See the pellets pouring into the combustion pot.
4- Set the Air Adjustment damper to the PLUS position. Place 1 wood-wool firelighter on the pellets in the combustion pot and light it with a lighter.
If your stove is the Saphire Kuzine model; set the Damper On/Off Lever located at the rear right of the stove to the 'ON' position. 30 minutes after lighting your stove, set the Damper On/Off Lever at the rear right to the 'OFF' position. If you do not do this, the oven part will not heat up.

HOW TO ADJUST THE HEAT? You can adjust the heat of the stove with the 'Heat Adjustment Damper' located at the bottom of the left side.
1- To reduce the heat, turn the damper towards the MINUS sign; to increase it, towards the PLUS sign.
2- You can see the increase and decrease in heat after 3-5 minutes from the movement of the flame height. When you use your stove with wood, you can increase and decrease the burning rate in the same way.

HOW TO CLEAN THE SLAG? During combustion, depending on the pellet quality, slag forms in the combustion chamber within 6-8 hours. In this case, the combustion efficiency drops and the flame height shortens. For this reason, clean the slag when the flame height drops to 15 cm.
Move the lever located on the left side of the stove above the heat adjustment knob back and forth a few times. If the flame height has dropped below 15-20 cm, make the right-left turning movement only once. When the flame height rises, clean the slag again.

HOW TO EXTINGUISH IT?
1- Set the Pellet Flow On/Off Lever to the 'PELLET OFF' position and, pressing gently, be sure to hear the click sound. When you hear this sound, the pellet flow is completely cut off.
2- Set the air adjustment damper to the PLUS sign and make sure it is fully open.
3- Open the firebox door and clean the slag. After the pellets remaining in the pot have burned completely, your stove will go out by itself. Extinguishing can take between 15 and 30 minutes.

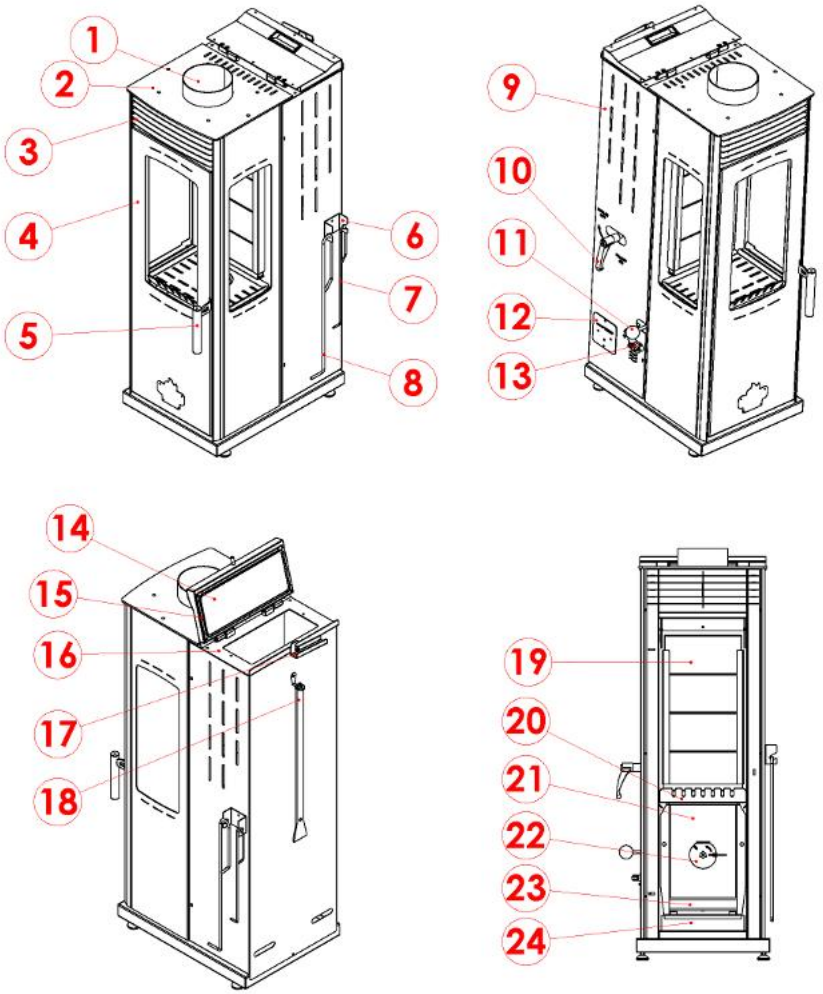
HOW TO CLEAN IT?
1- Make sure your stove has gone out and cooled down. Open the firebox door.
2- Insert the cleaning tool into the hole on the lower drawer of the combustion pot and pull it towards you. With this operation, the burnt ash will empty from the combustion pot into the ash drawer.
3- Place the Cleaning Tool into the hole on the cleaning mechanism located in front of the combustion pot. Pull the mechanism slightly towards you and release it from the locking tab on the right side. Turn the mechanism to the left and shake it a few times. You will see the ash and slag accumulated in the combustion pot pouring into the ash drawer.
4- Turn the mechanism to the right and, when you align it with the locking tab, push it slightly forward. Insert the cleaning tool into the hole on the lower drawer of the combustion pot and push it forward.
5- Take out the ash drawer, empty the ash inside it into the bin and put the drawer back in place.

HOW TO USE THE SAFETY SYSTEM?

There is a battery inside the safety system. Immediately after installing your stove, charge the battery until the "Charge OK" light comes on. The moment you plug the device in to charge, the "Charging" light will come on. You can start using your stove while the safety system is charging. When the "Charge Please" light on the safety system comes on, this indicates that the battery level is below 25% and notifies you that you need to charge the battery. The "Test" button on your stove shows the charge level of the battery with the 25%, 50%, 75% and 100% lights. You can check the battery level yourself by pressing this button. The safety system can run for approximately 3 months on a single full charge. If this period drops below 10 days, follow the instructions in 'HOW TO REPLACE THE BATTERY?' for battery replacement.

When the temperature of the fuel feed throat exceeds 100 degrees Celsius, the safety system activates. When the system activates, it sharply closes the pellet lever with an audible knocking sound. This sound notifies you that the safety system is active. After the safety system activates, the slag must be cleaned and the pellets in the pot must be allowed to burn completely. After the flame disappears, the ash must be cleaned as described in the 'HOW TO PERFORM DAILY MAINTENANCE AND CLEANING?' section, and the stove must be allowed to cool. Cleaning the ash is very important to speed up the cooling process. Even if you open the pellet lever before complete cooling, the system will close the lever again.

ECO MINI SERIES PARTS



LET US GET TO KNOW THE PARTS

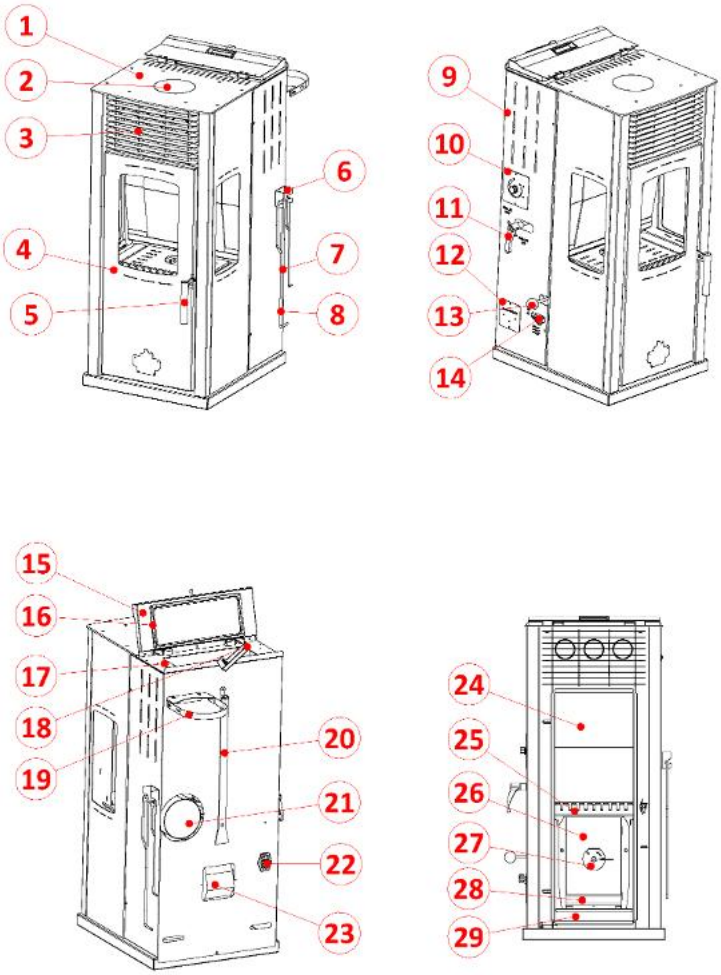
NO.	PART NAME	NO.	PART NAME
1	Chimney Outlet	17	Pellet Tank Lid Lock
2	Warming Plate	18	Scraping Cleaning Tool
3	Decorative Grille	19	Firebrick Flame Shield
4	Firebox Door	20	Wood and Briquette Burning Grate
5	Firebox Door Open/Close Lever	21	Combustion Pot
6	Accessory Hanger	22	Combustion Pot Cleaning Mechanism
7	Door Hook	23	Lower Drawer of the Combustion Pot
8	Cleaning Tool	24	Ash Drawer
9	Tank Housing	25	
10	Pellet Flow On/Off Lever	26	
11	Slag Cleaning Lever	27	
12	Electronic Safety System	28	
13	Heat Adjustment Damper	29	
14	Pellet Tank Lid	30	
15	Pellet Tank Lid Gasket	31	
16	Pellet Tank	32	

ECO MINI SERIES TECHNICAL DATA

PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	**ECO MINI**	**PRODUCT CODE**	PSB.1001/005/006
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	**HS/CUSTOMS TARIFF CODE**	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		
	Specifications	**Unit**	**Value**
CAPACITY	**For Nominal Heat Output**	**kW**	**8**
	For Minimum Heat Output	**kW**	**4**
	Nominal Space Heating Power	**kW**	**8**
	Nominal Water Heating Power	**kW**	**N/A**
	Heating Area (Max.) (A)	**m^2 / m^3**	**40 / 100**
	Top Plate Temperature (Max.)	**°C**	**250**
EFFICIENCY	**For Nominal Heat Output**	**%**	**90**
	Energy Label Class		**A+**
	Energy Efficiency Index (EEI)	**107 ≤ EEI ≤ 130**	**121**
EMISSION	**CO Emission (at 13% O2 and Nominal Heat Output)**	**mg/ m3**	**196**
	NOx Emission (at 13% O2 and Nominal Heat Output)	**mg/ m3**	**96**
	Dust Emission (at 13% O2 and Nominal Heat Output)	**mg/ m3**	**19**
	Particulate Matter (at 13% O2 and Nominal Heat Output)	**mg/ m3**	**15**
CHIMNEY INFORMATION	**Chimney Outlet Diameter**	**mm**	**130**
	Chimney Outlet Height (B)	**mm**	**45**
	Minimum Chimney Draft	**Pa**	**10**
	Flue Gas Temperature (for Nominal Heat Output)	**°C**	**146**
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	**m/s**	**6.3**
FUEL INFORMATION	**Fuel Type 1**	**Pellet**	**Ø 6 mm EN Plus A1 - A2**
	Fuel Type 2	**Wood**	**W => 15%**
	Fuel Type 3	**Briquette**	
	Fuel Tank Capacity	**L/kg**	**17 / 11 ℮**
	Fuel Consumption (Min./Max.)	**kg/h**	**1 / 2**
ELECTRICAL INFORMATION (for models that consume electricity)	**Electrical Connection (C)**	**V/Hz**	**N / A**
	Electricity Consumption (Avg.) (C)	**W/h**	**N / A**
BATTERY INFORMATION (for models with a battery)	**Type**	**Li-Ion**	**18650**
	Quantity	**Pieces**	**2**
	Power	**mAh**	**2800**
	Operating Time (Avg.)	**h**	**2000 ℮**
FAN INFORMATION (for models with a fan)	**Power**	**V/Hz/W**	**N / A**
	Power	**m3/h**	**N / A**
	Speed (Min./Max.)	**RPM**	**N / A**
	Noise Level	**(dB (A))**	**N / A**
OVEN INFORMATION (for models with an oven)	**Oven Dimensions (W x D x H)**	**mm**	**N / A**
	Oven Temperature (Max.)	**°C**	**N / A**
	Rectangular Oven Tray Dimensions (W x D)	**mm**	**N / A**
	Round Oven Tray Dimensions (Diameter)	**mm**	**N / A**
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	**Water Flow and Return Connection**	**inch**	**N / A**
	Safety Discharge Connection	**inch**	**N / A**
	Combustion Air Inlet Connection	**mm**	**N / A**
	Operating Temperature (Min./Max.)	**°C**	**N / A**
	Maximum Operating Pressure	**bar**	**N / A**
DIMENSIONS	**Boiler Water Volume (D)**	**L**	**N / A**
	Combustion Chamber Dimensions (W x D x H)	**mm**	**280 x 175 x 500**
	Product Dimensions (W x D x H)	**mm**	**410 x 555 x 1063**
	Weight	**kg**	**60**
	Packaged Dimensions (W x D x H) / Volumetric Weight	**mm / dm3**	**500 x 700 x 1210**
	Packaged Weight	**kg**	**73**
	Minimum Stove Mat Dimensions (W x D)	**mm**	**550 x 770**
BOX CONTENTS	**User Manual**	**Pieces**	**1**
	EEI Label	**Pieces**	**1**
	Cleaning Tool	**Pieces**	**1**
	Cleaning Brush	**Pieces**	**1**
	Scraping Cleaning Tool	**Pieces**	**1**
	Glass Tube Cleaning Tool (I)	**Set**	**0**
	Door Hook	**Pieces**	**1**
	Wood Burning Tool	**Pieces**	**1**
	Spare Pellet Tank	**Pieces**	**0**
	Bingo Foot (E)	**Pieces**	**4**
	Power Cable (C)	**Pieces**	**1**
	Ø 13>15 cm Pipe Reducer (E)	**Pieces**	**1**
	L Elbow (B)	**Pieces**	**1**
	Pipe Fixing Tool (F)	**Pieces**	**1**
	Shelf Wire (G)	**Pieces**	**N / A**
	Oven Tray (G)	**Pieces**	**N / A**
	Oven Glove (G)	**Pieces**	**N / A**
	Smoke Tablet (for the Chimney Draft Test)	**Pieces**	**1**
	Wood Wool Firelighter	**kg**	**0.25**
	Lighter	**Pieces**	**1**
	Pine Pellets (H)	**kg**	**10**
	Residual-Current Protected Socket (J)	**Pieces**	**1**
	External Expansion Tank (K)	**Pieces**	**1**

THE EXPLANATIONS OF THE REFERENCE CODES ARE ON THE WARRANTY CERTIFICATE PAGE.

ECO SERIES PARTS



LET US GET TO KNOW THE PARTS

NO.	PART NAME	NO.	PART NAME
1	Warming Plate	17	Pellet Tank
2	Safety and Cleaning Cover	18	Pellet Tank Lid Lock
3	Heat Recovery Grille	19	Pipe Fixing Part
4	Firebox Door	20	Scraping Cleaning Tool
5	Firebox Door Open/Close Lever	21	Chimney Outlet
6	Accessory Hanger	22	Power Input and Fan On/Off Switch (available on models with a fan.)
7	Door Hook	23	Fan Motor (available on models with a fan.)
8	Cleaning Tool	24	Metal Flame Shield
9	Tank Housing	25	Wood and Briquette Burning Grate
10	Fan Speed Adjustment Knob (available on models with a fan.)	26	Combustion Pot
11	Pellet Flow On/Off Lever	27	Combustion Pot Cleaning Mechanism
12	Electronic Safety System	28	Lower Drawer of the Combustion Pot
13	Slag Cleaning Lever	29	Ash Drawer
14	Heat Adjustment Damper	30	
15	Pellet Tank Lid	31	
16	Pellet Tank Lid Gasket	32	

ECO SERIES TECHNICAL DATA

PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	**ECO**	**PRODUCT CODE**	PSB.1001/001/002/003/004
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	**HS/CUSTOMS TARIFF CODE**	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		
	Specifications	**Unit**	**Value**
CAPACITY	For Nominal Heat Output	kW	8
	For Minimum Heat Output	kW	4
	Nominal Space Heating Power	kW	8
	Nominal Water Heating Power	kW	N/A
	Heating Area (Max.) (A)	m^2 / m^3	40 / 100
	Top Plate Temperature (Max.)	°C	350
EFFICIENCY	For Nominal Heat Output	%	90
	Energy Label Class		A+
	Energy Efficiency Index (EEI)	107 ≤ EEI ≤ 130	120
EMISSION	CO Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	241
	NOx Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	133
	Dust Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	26
	Particulate Matter (at 13% O2 and Nominal Heat Output)	mg/ m3	16
CHIMNEY INFORMATION	Chimney Outlet Diameter	mm	130
	Chimney Outlet Height (B)	mm	
	Minimum Chimney Draft	Pa	10
	Flue Gas Temperature (for Nominal Heat Output)	°C	140
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	g/s	7.3
FUEL INFORMATION	Fuel Type 1	Pellet	Ø 6 mm EN Plus A1 - A2
	Fuel Type 2	Wood	W => 15%
	Fuel Type 3	Briquette	
	Fuel Tank Capacity	L/kg	19 / 13 ℮
	Fuel Consumption (Min./Max.)	kg/h	1 / 2
ELECTRICAL INFORMATION (for models that consume electricity)	Electrical Connection (C)	V/Hz	230 / 50
	Electricity Consumption (Avg.) (C)	W/h	80
BATTERY INFORMATION (for models with a battery)	Type	Li-Ion	18650
	Quantity	Pieces	2
	Power	mAh	2800
	Operating Time (Avg.)	h	2000 ℮
FAN INFORMATION (for models with a fan)	Power	V/Hz/W	220 V AC 50 Hz / 80 W
	Power	m3/h	250
	Speed (Min./Max.)	RPM	2300
	Noise Level	(dB (A))	57
OVEN INFORMATION (for models with an oven)	Oven Dimensions (W x D x H)	mm	N / A
	Oven Temperature (Max.)	°C	N / A
	Rectangular Oven Tray Dimensions (W x D)	mm	N / A
	Round Oven Tray Dimensions (Diameter)	mm	N / A
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	Water Flow and Return Connection	inch	N / A
	Safety Discharge Connection	inch	N / A
	Combustion Air Inlet Connection	mm	N / A
	Operating Temperature (Min./Max.)	°C	N / A
	Maximum Operating Pressure	bar	N / A
DIMENSIONS	Boiler Water Volume (D)	L	N / A
	Combustion Chamber Dimensions (W x D x H)	mm	380 x 190 x 460
	Product Dimensions (W x D x H)	mm	495 x 597 x 1028
	Weight	kg	76
	Packaged Dimensions (W x D x H) / Volumetric Weight	mm / dm3	600 x 700 x 1200
	Packaged Weight	kg	89
	Minimum Stove Mat Dimensions (W x D)	mm	550 x 770
BOX CONTENTS	User Manual	Pieces	1
	EEI Label	Pieces	1
	Cleaning Tool	Pieces	1
	Cleaning Brush	Pieces	1
	Scraping Cleaning Tool	Pieces	1
	Glass Tube Cleaning Tool (I)	Set	0
	Door Hook	Pieces	1
	Wood Burning Tool	Pieces	1
	Spare Pellet Tank	Pieces	0
	Bingo Foot (E)	Pieces	4
	Power Cable (C)	Pieces	1
	Ø 13>15 cm Pipe Reducer (E)	Pieces	1
	L Elbow (B)	Pieces	1
	Pipe Fixing Tool (F)	Pieces	1
	Shelf Wire (G)	Pieces	N / A
	Oven Tray (G)	Pieces	N / A
	Oven Glove (G)	Pieces	N / A
	Smoke Tablet (for the Chimney Draft Test)	Pieces	1
	Wood Wool Firelighter	kg	0.25
	Lighter	Pieces	1
	Pine Pellets (H)	kg	10
	Residual-Current Protected Socket (J)	Pieces	1
	External Expansion Tank (K)	Pieces	1

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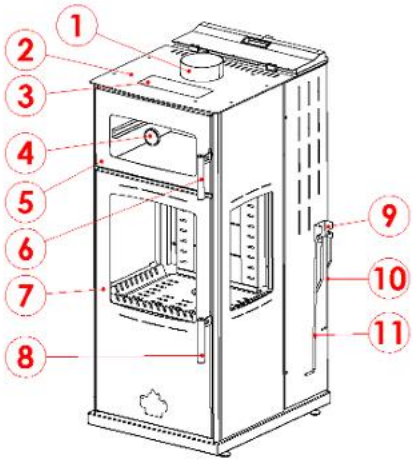
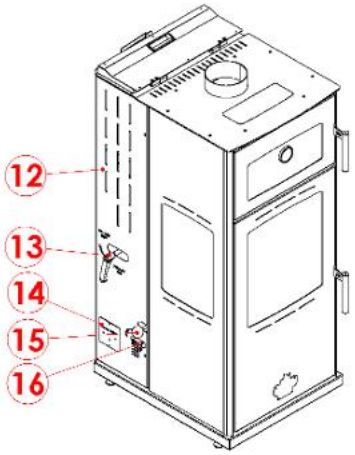
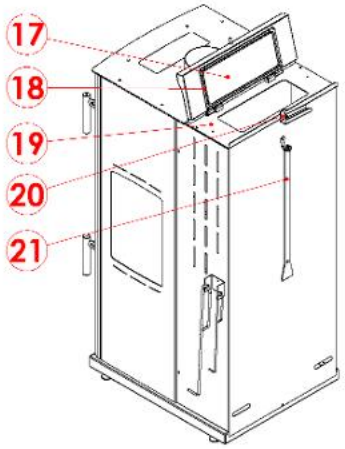
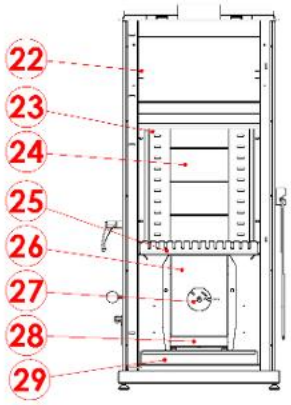
GOLD SERIES PARTS AND TECHNICAL DATA









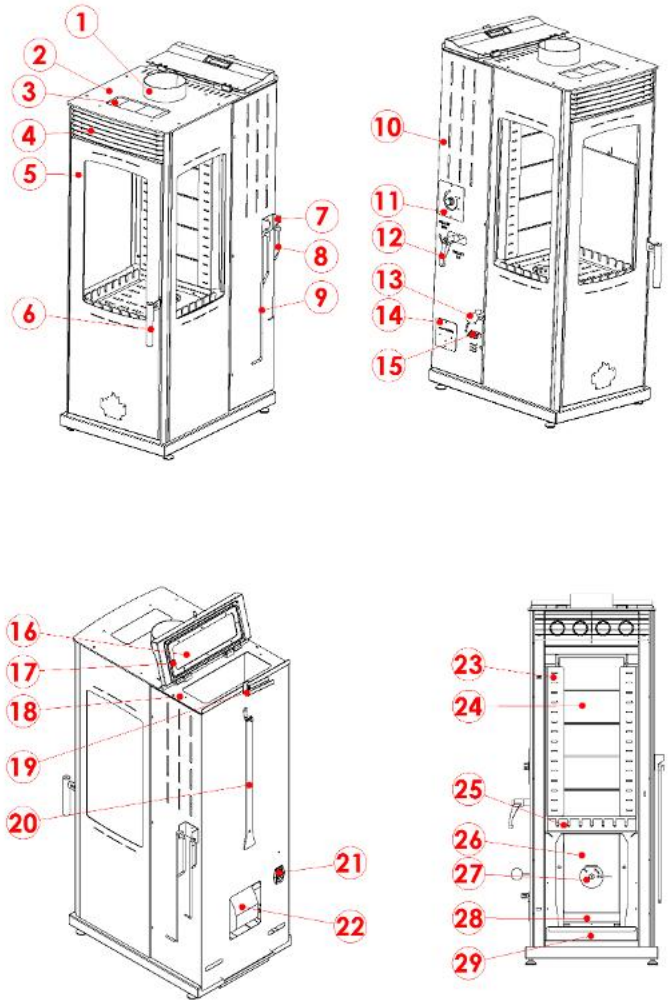
LET US GET TO KNOW THE PARTS

NO.	PART NAME	NO.	PART NAME
1	Chimney Outlet	17	Pellet Tank Lid
2	Warming Plate	18	Pellet Tank Lid Gasket
3	Safety and Cleaning Cover	19	Pellet Tank
4	Oven Thermometer	20	Pellet Tank Lid Lock
5	Oven Door	21	Scraping Cleaning Tool
6	Oven Door Open/Close Lever	22	Oven Shelf Channel
7	Firebox Door	23	Brick Holder
8	Firebox Door Open/Close Lever	24	Firebrick Flame Shield
9	Accessory Hanger	25	Wood and Briquette Burning Grate
10	Door Hook	26	Combustion Pot
11	Cleaning Tool	27	Combustion Pot Cleaning Mechanism
12	Tank Housing	28	Lower Drawer of the Combustion Pot
13	Pellet Flow On/Off Lever	29	Ash Drawer
14	Electronic Safety System	30	
15	Slag Cleaning Lever	31	
16	Heat Adjustment Damper	32	

PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	GOLD	PRODUCT CODE	PSB.1003/001/002
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	HS/CUSTOMS TARIFF CODE	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		
	Specifications	Unit	Value
CAPACITY	For Nominal Heat Output	kW	12
	For Minimum Heat Output	kW	6
	Nominal Space Heating Power	kW	12
	Nominal Water Heating Power	kW	N/A
	Heating Area (Max.) (A)	m^2 / m^3	60 / 150
	Top Plate Temperature (Max.)	°C	250
EFFICIENCY	For Nominal Heat Output	%	91
	Energy Label Class		A+
	Energy Efficiency Index (EEI)	107 ≤ EEI ≤ 130	122
EMISSION	CO Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	231
	NOx Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	137
	Dust Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	12
	Particulate Matter (at 13% O2 and Nominal Heat Output)	mg/ m3	15
CHIMNEY INFORMATION	Chimney Outlet Diameter	mm	130
	Chimney Outlet Height (B)	mm	45
	Minimum Chimney Draft	Pa	10
	Flue Gas Temperature (for Nominal Heat Output)	°C	158
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	m/s	8.1
FUEL INFORMATION	Fuel Type 1	Pellet	Ø 6 mm EN Plus A1 - A2
	Fuel Type 2	Wood	W => 15%
	Fuel Type 3	Briquette	
	Fuel Tank Capacity	L/kg	28 / 19 ℮
	Fuel Consumption (Min./Max.)	kg/h	1.4 / 2.8
ELECTRICAL INFORMATION (for models that consume electricity)	Electrical Connection (C)	V/Hz	N / A
	Electricity Consumption (Avg.) (C)	W/h	N / A
BATTERY INFORMATION (for models with a battery)	Type	Li-Ion	18650
	Quantity	Pieces	2
	Power	mAh	2800
	Operating Time (Avg.)	h	2000 ℮
FAN INFORMATION (for models with a fan)	Power	V/Hz/W	N / A
	Power	m3/h	N / A
	Speed (Min./Max.)	RPM	N / A
	Noise Level	(dB (A))	N / A
OVEN INFORMATION (for models with an oven)	Oven Dimensions (W x D x H)	mm	365 x 300 x 200
	Oven Temperature (Max.)	°C	350
	Rectangular Oven Tray Dimensions (W x D)	mm	360 x 280
	Round Oven Tray Dimensions (Diameter)	mm	280
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	Water Flow and Return Connection	inch	N / A
	Safety Discharge Connection	inch	N / A
	Combustion Air Inlet Connection	mm	N / A
	Operating Temperature (Min./Max.)	°C	N / A
	Maximum Operating Pressure	bar	N / A
DIMENSIONS	Boiler Water Volume (D)	L	N / A
	Combustion Chamber Dimensions (W x D x H)	mm	420 x 290 x 370
	Product Dimensions (W x D x H)	mm	535 x 668 x 1160
	Weight	kg	100
	Packaged Dimensions (W x D x H) / Volumetric Weight	mm / dm3	650 x 730 x 1290
	Packaged Weight	kg	113
	Minimum Stove Mat Dimensions (W x D)	mm	600 x 870
BOX CONTENTS	User Manual	Pieces	1
	EEI Label	Pieces	1
	Cleaning Tool	Pieces	1
	Cleaning Brush	Pieces	1
	Scraping Cleaning Tool	Pieces	1
	Glass Tube Cleaning Tool (I)	Set	0
	Door Hook	Pieces	1
	Wood Burning Tool	Pieces	1
	Spare Pellet Tank	Pieces	0
	Bingo Foot (E)	Pieces	4
	Power Cable (C)	Pieces	1
	Ø 13>15 cm Pipe Reducer (E)	Pieces	1
	L Elbow (B)	Pieces	1
	Pipe Fixing Tool (F)	Pieces	1
	Shelf Wire (G)	Pieces	N / A
	Oven Tray (G)	Pieces	N / A
	Oven Glove (G)	Pieces	N / A
	Smoke Tablet (for the Chimney Draft Test)	Pieces	1
	Wood Wool Firelighter	kg	0.25
	Lighter	Pieces	1
	Pine Pellets (H)	kg	10
	Residual-Current Protected Socket (J)	Pieces	1
	External Expansion Tank (K)	Pieces	1

THE EXPLANATIONS OF THE REFERENCE CODES ARE ON THE WARRANTY CERTIFICATE PAGE.

FLAME FAN SERIES PARTS



LET US GET TO KNOW THE PARTS

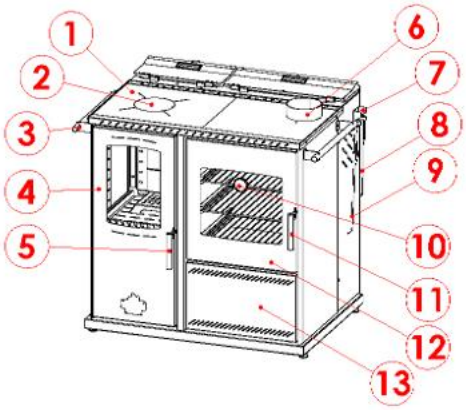
NO.	PART NAME	NO.	PART NAME
1	Chimney Outlet	17	Pellet Tank Lid Gasket
2	Warming Plate	18	Pellet Tank
3	Safety and Cleaning Cover	19	Pellet Tank Lid Lock
4	Heat Recovery Grille	20	Scraping Cleaning Tool
5	Firebox Door	21	Power Input and Fan On/Off Switch (available on models with a fan.)
6	Firebox Door Open/Close Lever	22	Fan Motor (available on models with a fan.)
7	Accessory Hanger	23	Brick Holder
8	Door Hook	24	Firebrick Flame Shield
9	Cleaning Tool	25	Wood and Briquette Burning Grate
10	Tank Housing	26	Combustion Pot
11	Fan Speed Adjustment Knob (available on models with a fan.)	27	Combustion Pot Cleaning Mechanism
12	Pellet Flow On/Off Lever	28	Lower Drawer of the Combustion Pot
13	Slag Cleaning Lever	29	Ash Drawer
14	Electronic Safety System	30	
15	Heat Adjustment Damper	31	
16	Pellet Tank Lid	32	

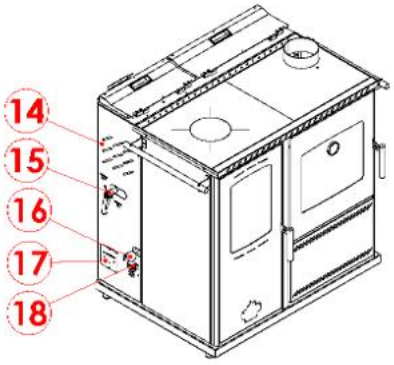
FLAME FAN SERIES TECHNICAL DATA

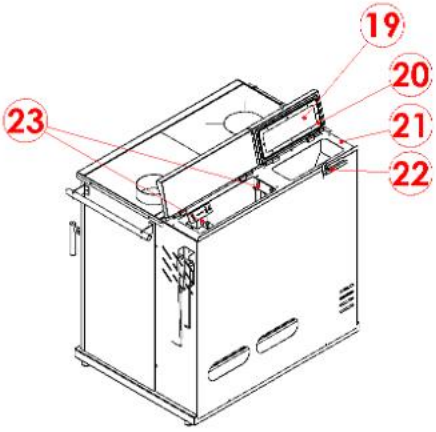
PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	**FLAME FAN**	**PRODUCT CODE**	PSB.1002/001/002
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	**HS/CUSTOMS TARIFF CODE**	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		
	Specifications	**Unit**	**Value**
CAPACITY	For Nominal Heat Output	kW	12
	For Minimum Heat Output	kW	6
	Nominal Space Heating Power	kW	12
	Nominal Water Heating Power	kW	N/A
	Heating Area (Max.) (A)	m^2 / m^3	60 / 150
	Top Plate Temperature (Max.)	°C	300
EFFICIENCY	For Nominal Heat Output	%	90
	Energy Label Class		A+
	Energy Efficiency Index (EEI)	107 ≤ EEI ≤ 130	121
EMISSION	CO Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	158
	NOx Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	106
	Dust Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	20
	Particulate Matter (at 13% O2 and Nominal Heat Output)	mg/ m3	17
CHIMNEY INFORMATION	Chimney Outlet Diameter	mm	130
	Chimney Outlet Height (B)	mm	45
	Minimum Chimney Draft	Pa	10
	Flue Gas Temperature (for Nominal Heat Output)	°C	155
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	m/s	9
FUEL INFORMATION	Fuel Type 1	Pellet	Ø 6 mm EN Plus A1 - A2
	Fuel Type 2	Wood	W => 15%
	Fuel Type 3	Briquette	
	Fuel Tank Capacity	L/kg	23 / 15 ℮
	Fuel Consumption (Min./Max.)	kg/h	1.4 / 2.8
ELECTRICAL INFORMATION (for models that consume electricity)	Electrical Connection (C)	V/Hz	230 / 50
	Electricity Consumption (Avg.) (C)	W/h	80
BATTERY INFORMATION (for models with a battery)	Type	Li-Ion	18650
	Quantity	Pieces	2
	Power	mAh	2800
	Operating Time (Avg.)	h	2000 ℮
FAN INFORMATION (for models with a fan)	Power	V/Hz/W	220 V AC 50 Hz / 80 W
	Power	m3/h	250
	Speed (Min./Max.)	RPM	2300
	Noise Level	(dB (A))	57
OVEN INFORMATION (for models with an oven)	Oven Dimensions (W x D x H)	mm	N / A
	Oven Temperature (Max.)	°C	N / A
	Rectangular Oven Tray Dimensions (W x D)	mm	N / A
	Round Oven Tray Dimensions (Diameter)	mm	N / A
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	Water Flow and Return Connection	inch	N / A
	Safety Discharge Connection	inch	N / A
	Combustion Air Inlet Connection	mm	N / A
	Operating Temperature (Min./Max.)	°C	N / A
	Maximum Operating Pressure	bar	N / A
DIMENSIONS	Boiler Water Volume (D)	L	N / A
	Combustion Chamber Dimensions (W x D x H)	mm	340 x 270 x 560
	Product Dimensions (W x D x H)	mm	455 x 648 x 1137
	Weight	kg	87
	Packaged Dimensions (W x D x H) / Volumetric Weight	mm / dm3	550 x 720 x 1300
	Packaged Weight	kg	100
	Minimum Stove Mat Dimensions (W x D)	mm	550 x 770
BOX CONTENTS	User Manual	Pieces	1
	EEI Label	Pieces	1
	Cleaning Tool	Pieces	1
	Cleaning Brush	Pieces	1
	Scraping Cleaning Tool	Pieces	1
	Glass Tube Cleaning Tool (I)	Set	0
	Door Hook	Pieces	1
	Wood Burning Tool	Pieces	1
	Spare Pellet Tank	Pieces	0
	Bingo Foot (E)	Pieces	4
	Power Cable (C)	Pieces	1
	Ø 13>15 cm Pipe Reducer (E)	Pieces	1
	L Elbow (B)	Pieces	1
	Pipe Fixing Tool (F)	Pieces	1
	Shelf Wire (G)	Pieces	N / A
	Oven Tray (G)	Pieces	N / A
	Oven Glove (G)	Pieces	N / A
	Smoke Tablet (for the Chimney Draft Test)	Pieces	1
	Wood Wool Firelighter	kg	0.25
	Lighter	Pieces	1
	Pine Pellets (H)	kg	10
	Residual-Current Protected Socket (J)	Pieces	1
	External Expansion Tank (K)	Pieces	1

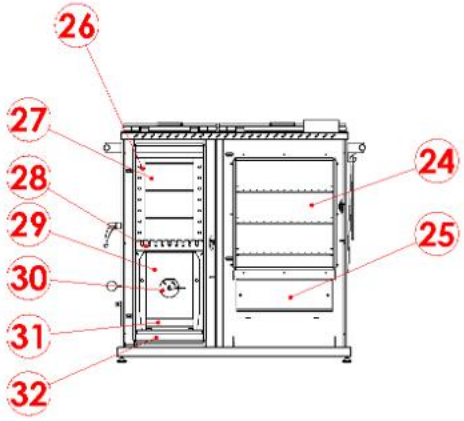
THE EXPLANATIONS OF THE REFERENCE CODES ARE ON THE WARRANTY CERTIFICATE PAGE.

SAPHIRE PARTS









LET US GET TO KNOW THE PARTS

NO.	PART NAME	NO.	PART NAME
1	Warming Plate	17	Electronic Safety System
2	Safety and Cleaning Cover	18	Heat Adjustment Damper
3	Carrying Handle	19	Pellet Tank Lid
4	Firebox Door	20	Pellet Tank Lid Gasket
5	Firebox Door Open/Close Lever	21	Pellet Tank
6	Chimney Outlet	22	Pellet Tank Lid Lock
7	Accessory Hanger	23	Chimney Damper Open/Close Lever and Scraping Cleaning Tool
8	Door Hook	24	Oven Shelf Channel
9	Cleaning Tool	25	Inner Cover of the Soot Cleaning Area
10	Oven Thermometer	26	Brick Holder
11	Oven Door Open/Close Lever	27	Firebrick Flame Shield
12	Oven Door	28	Wood and Briquette Burning Grate
13	Outer Cover of the Soot Cleaning Area	29	Combustion Pot
14	Tank Housing	30	Combustion Pot Cleaning Mechanism
15	Pellet Flow On/Off Lever	31	Lower Drawer of the Combustion Pot
16	Slag Cleaning Lever	32	Ash Drawer

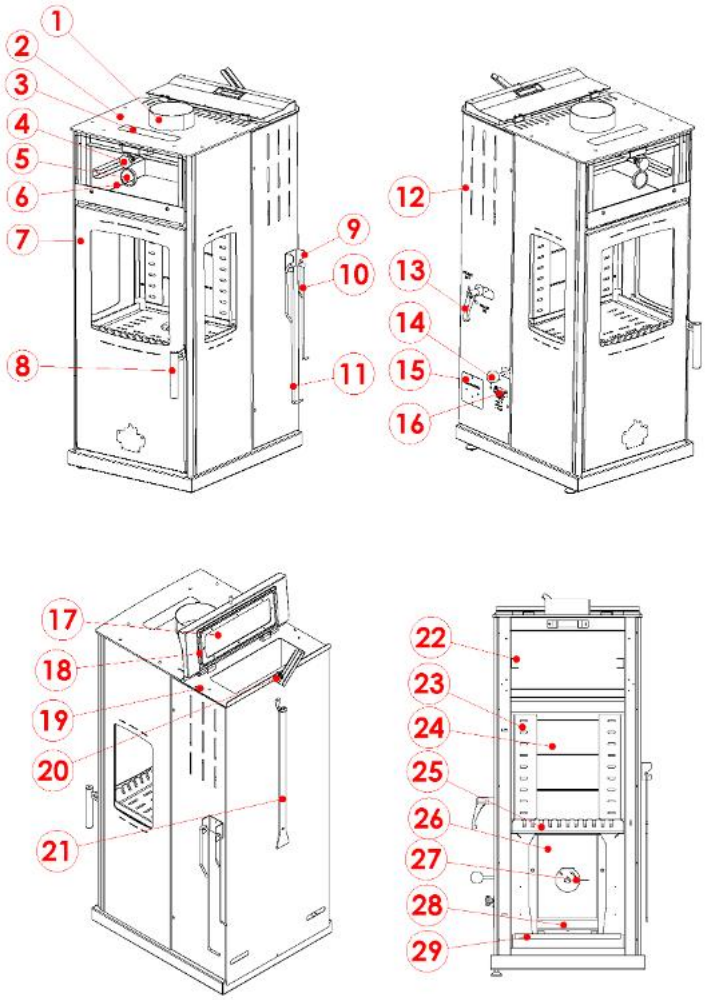
SAPHIRE TECHNICAL DATA

PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	**SAPHIRE**	**PRODUCT CODE**	PSB.1004/001
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	**HS/CUSTOMS TARIFF CODE**	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		

	Specifications	Unit	Value
CAPACITY	For Nominal Heat Output	kW	10
	For Minimum Heat Output	kW	5
	Nominal Space Heating Power	kW	10
	Nominal Water Heating Power	kW	N/A
	Heating Area (Max.) (A)	m^2 / m^3	50 / 125
	Top Plate Temperature (Max.)	°C	550
EFFICIENCY	For Nominal Heat Output	%	90
	Energy Label Class		A+
	Energy Efficiency Index (EEI)	107 ≤ EEI ≤ 130	121
EMISSION	CO Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	128
	NOx Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	168
	Dust Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	5
	Particulate Matter (at 13% O2 and Nominal Heat Output)	mg/ m3	18
CHIMNEY INFORMATION	Chimney Outlet Diameter	mm	130
	Chimney Outlet Height (B)	mm	45
	Minimum Chimney Draft	Pa	10
	Flue Gas Temperature (for Nominal Heat Output)	°C	133
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	m/s	8.7
FUEL INFORMATION	Fuel Type 1	Pellet	Ø 6 mm EN Plus A1 - A2
	Fuel Type 2	Wood	W => 15%
	Fuel Type 3	Briquette	
	Fuel Tank Capacity	L/kg	12.5 / 8 ℮
	Fuel Consumption (Min./Max.)	kg/h	1.2 / 2.3
ELECTRICAL INFORMATION (for models that consume electricity)	Electrical Connection (C)	V/Hz	N / A
	Electricity Consumption (Avg.) (C)	W/h	N / A
BATTERY INFORMATION (for models with a battery)	Type	Li-Ion	18650
	Quantity	Pieces	2
	Power	mAh	2800
	Operating Time (Avg.)	h	2000 ℮
FAN INFORMATION (for models with a fan)	Power	V/Hz/W	N / A
	Power	m3/h	N / A
	Speed (Min./Max.)	RPM	N / A
	Noise Level	(dB (A))	N / A
OVEN INFORMATION (for models with an oven)	Oven Dimensions (W x D x H)	mm	365 x 365 x 300
	Oven Temperature (Max.)	°C	300
	Rectangular Oven Tray Dimensions (W x D)	mm	360 x 340
	Round Oven Tray Dimensions (Diameter)	mm	340
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	Water Flow and Return Connection	inch	N / A
	Safety Discharge Connection	inch	N / A
	Combustion Air Inlet Connection	mm	N / A
	Operating Temperature (Min./Max.)	°C	N / A
	Maximum Operating Pressure	bar	N / A
DIMENSIONS	Boiler Water Volume (D)	L	N / A
	Combustion Chamber Dimensions (W x D x H)	mm	320 x 330 x 420
	Product Dimensions (W x D x H)	mm	956 x 710 x 885
	Weight	kg	135
	Packaged Dimensions (W x D x H) / Volumetric Weight	mm / dm3	1080 x 810 x 1050
	Packaged Weight	kg	150
	Minimum Stove Mat Dimensions (W x D)	mm	1000 x 780
BOX CONTENTS	User Manual	Pieces	1
	EEI Label	Pieces	1
	Cleaning Tool	Pieces	1
	Cleaning Brush	Pieces	1
	Scraping Cleaning Tool	Pieces	1
	Glass Tube Cleaning Tool (I)	Set	0
	Door Hook	Pieces	1
	Wood Burning Tool	Pieces	1
	Spare Pellet Tank	Pieces	0
	Bingo Foot (E)	Pieces	4
	Power Cable (C)	Pieces	1
	Ø 13>15 cm Pipe Reducer (E)	Pieces	1
	L Elbow (B)	Pieces	1
	Pipe Fixing Tool (F)	Pieces	1
	Shelf Wire (G)	Pieces	N / A
	Oven Tray (G)	Pieces	N / A
	Oven Glove (G)	Pieces	N / A
	Smoke Tablet (for the Chimney Draft Test)	Pieces	1
	Wood Wool Firelighter	kg	0.25
	Lighter	Pieces	1
	Pine Pellets (H)	kg	10
	Residual-Current Protected Socket (J)	Pieces	1
	External Expansion Tank (K)	Pieces	1

THE EXPLANATIONS OF THE REFERENCE CODES ARE ON THE WARRANTY CERTIFICATE PAGE.

SILVER SERIES PARTS



LET US GET TO KNOW THE PARTS

NO.	PART NAME	NO.	PART NAME
1	Chimney Outlet	17	Pellet Tank Lid
2	Warming Plate	18	Pellet Tank Lid Gasket
3	Safety and Cleaning Cover	19	Pellet Tank
4	Oven Door Open/Close Lever	20	Pellet Tank Lid Lock
5	Oven Thermometer	21	Scraping Cleaning Tool
6	Oven Door	22	Oven Shelf Channel
7	Firebox Door	23	Brick Holder
8	Firebox Door Open/Close Lever	24	Firebrick Flame Shield
9	Accessory Hanger	25	Wood and Briquette Burning Grate
10	Door Hook	26	Combustion Pot
11	Cleaning Tool	27	Combustion Pot Cleaning Mechanism
12	Tank Housing	28	Lower Drawer of the Combustion Pot
13	Pellet Flow On/Off Lever	29	Ash Drawer
14	Slag Cleaning Lever	30	
15	Electronic Safety System	31	
16	Heat Adjustment Damper	32	

SILVER SERIES TECHNICAL DATA

PRODUCT INFORMATION AND TECHNICAL SPECIFICATIONS			
MODEL FAMILY	**SILVER**	**PRODUCT CODE**	PSB.1005/001/002
TYPE	MANUALLY OPERATED PELLET AND WOOD STOVE WITH DRY SYSTEM	**HS/CUSTOMS TARIFF CODE**	7321.89.00.00.00
METHOD OF HEAT TRANSFER	BY CONDUCTION, CONVECTION AND RADIATION		

	Specifications	Unit	Value
CAPACITY	For Nominal Heat Output	kW	10
	For Minimum Heat Output	kW	5
	Nominal Space Heating Power	kW	10
	Nominal Water Heating Power	kW	N/A
	Heating Area (Max.) (A)	m^2 / m^3	50 / 125
	Top Plate Temperature (Max.)	°C	250
EFFICIENCY	For Nominal Heat Output	%	90
	Energy Label Class		A+
	Energy Efficiency Index (EEI)	107 ≤ EEI ≤ 130	120
EMISSION	CO Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	249
	NOx Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	98
	Dust Emission (at 13% O2 and Nominal Heat Output)	mg/ m3	11
	Particulate Matter (at 13% O2 and Nominal Heat Output)	mg/ m3	19
CHIMNEY INFORMATION	Chimney Outlet Diameter	mm	130
	Chimney Outlet Height (B)	mm	45
	Minimum Chimney Draft	Pa	10
	Flue Gas Temperature (for Nominal Heat Output)	°C	151
	Flue Gas Mass Flow Rate (for Nominal Heat Output)	m/s	6.4
FUEL INFORMATION	Fuel Type 1	Pellet	Ø 6 mm EN Plus A1 - A2
	Fuel Type 2	Wood	W => 15%
	Fuel Type 3	Briquette	
	Fuel Tank Capacity	L/kg	21 / 14 e
	Fuel Consumption (Min./Max.)	kg/h	1.2 / 2.3
ELECTRICAL INFORMATION (for models that consume electricity)	Electrical Connection (C)	V/Hz	N / A
	Electricity Consumption (Avg.) (C)	W/h	N / A
BATTERY INFORMATION (for models with a battery)	Type	Li-Ion	18650
	Quantity	Pieces	2
	Power	mAh	2800
	Operating Time (Avg.)	h	2000 e
FAN INFORMATION (for models with a fan)	Power	V/Hz/W	N / A
	Power	m3/h	N / A
	Speed (Min./Max.)	RPM	N / A
	Noise Level	(dB (A))	N / A
OVEN INFORMATION (for models with an oven)	Oven Dimensions (W x D x H)	mm	325 x 260 x 170
	Oven Temperature (Max.)	°C	350
	Rectangular Oven Tray Dimensions (W x D)	mm	310 x 260
	Round Oven Tray Dimensions (Diameter)	mm	260
CONNECTIONS AND OPERATING CONDITIONS (for products with a water system)	Water Flow and Return Connection	inch	N / A
	Safety Discharge Connection	inch	N / A
	Combustion Air Inlet Connection	mm	N / A
	Operating Temperature (Min./Max.)	°C	N / A
	Maximum Operating Pressure	bar	N / A
DIMENSIONS	Boiler Water Volume (D)	L	N / A
	Combustion Chamber Dimensions (W x D x H)	mm	380 x 240 x 340
	Product Dimensions (W x D x H)	mm	495 x 620 x 1082
	Weight	kg	83
	Packaged Dimensions (W x D x H) / Volumetric Weight	mm / dm3	600 x 700 x 1220
	Packaged Weight	kg	98
	Minimum Stove Mat Dimensions (W x D)	mm	1000 x 780
BOX CONTENTS	User Manual	Pieces	1
	EEI Label	Pieces	1
	Cleaning Tool	Pieces	1
	Cleaning Brush	Pieces	1
	Scraping Cleaning Tool	Pieces	1
	Glass Tube Cleaning Tool (I)	Set	0
	Door Hook	Pieces	1
	Wood Burning Tool	Pieces	1
	Spare Pellet Tank	Pieces	0
	Bingo Foot (E)	Pieces	4
	Power Cable (C)	Pieces	1
	Ø 13>15 cm Pipe Reducer (E)	Pieces	1
	L Elbow (B)	Pieces	1
	Pipe Fixing Tool (F)	Pieces	1
	Shelf Wire (G)	Pieces	N / A
	Oven Tray (G)	Pieces	N / A
	Oven Glove (G)	Pieces	N / A
	Smoke Tablet (for the Chimney Draft Test)	Pieces	1
	Wood Wool Firelighter	kg	0.25
	Lighter	Pieces	1
	Pine Pellets (H)	kg	10
	Residual-Current Protected Socket (J)	Pieces	1
	External Expansion Tank (K)	Pieces	1

THE EXPLANATIONS OF THE REFERENCE CODES ARE ON THE WARRANTY CERTIFICATE PAGE.

BEFORE STARTING INSTALLATION

Your stove is delivered to you carefully packaged against damage that may occur during transport, in a protective box fixed onto a wooden pallet. Cut the plastic straps on the box and carefully lift the protective box upwards to remove it. Then also cut the plastic straps fixing the stove to the wooden pallet. Now open the tank, firebox and, if present, the oven door of the stove. Take out the materials needed for the installation, use and maintenance of the stove from these sections.

Before removing the stove from the wooden pallet, do not forget to fit the adjustable lower feet. We recommend getting help to make this easier. While your helper slightly lifts the stove from one side, you can comfortably fit the parts.

Now carefully carry your stove to the place where you will install it. We recommend getting help for the carrying process.

You must take care to install your stove at least 50 cm away from objects and the wall on its right and left sides, and its rear at least 20 cm away from objects and walls. These clearances are necessary for safety and ease of use. Let us put the equipment needed for the installation, use and maintenance of the stove in their places. Keep the Wood Burning Tool, Smoke Tablet, Wood Wool Firelighter and Lighter in a suitable place near the stove. You can now connect your stove to the chimney with the pipes.

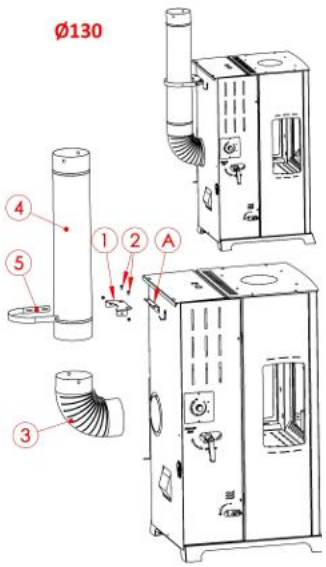
CAUTION: Do not place teapots, pots, etc. on the safety cover.

WARNING:

If your stove has a rear chimney connection, install the pipes as described below.

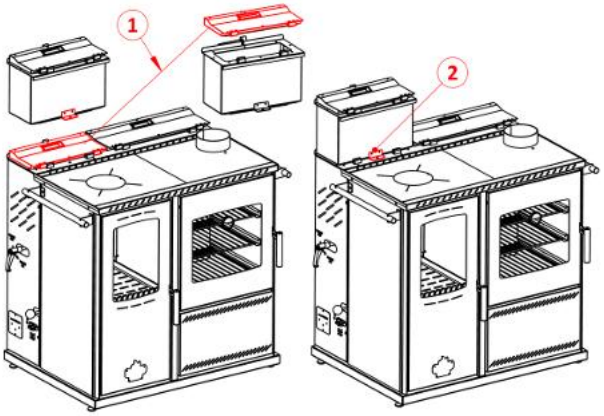
- Screw part 1 onto the connection part marked "A" at the rear of the stove.
- Attach elbow number 3 to the chimney connection of the stove.
- Attach pipe part number 4 to the reducer.
- Attach part number 5 to part number 1 with screws.

During connection, make sure the pipe is seated firmly and securely in place.



WARNING:

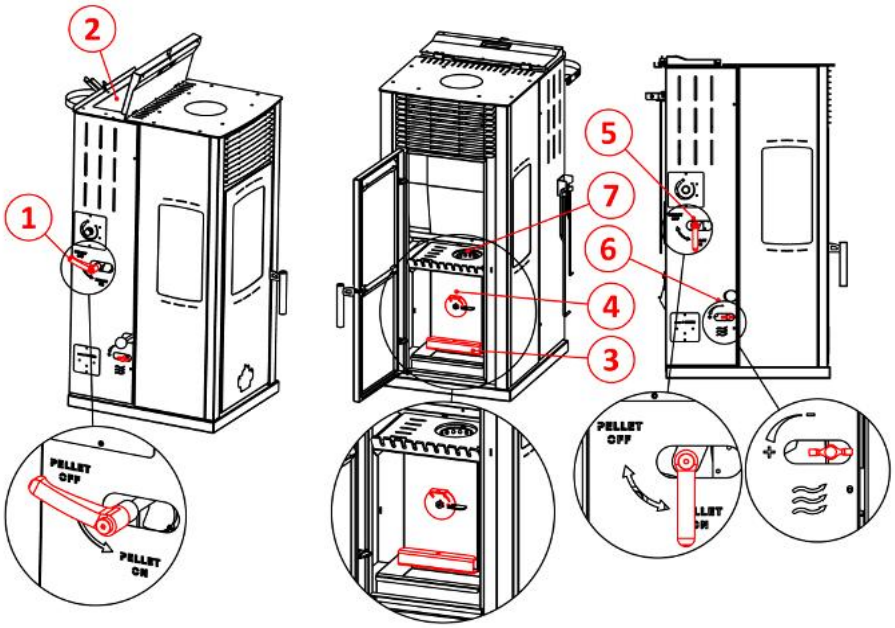
If your stove is from the Saphire series, an additional pellet hopper is available to increase the pellet capacity. You can use this hopper by removing the tank lid and placing it on the hopper as shown below. Do not forget to fit the removed lid onto the area on the additional hopper.



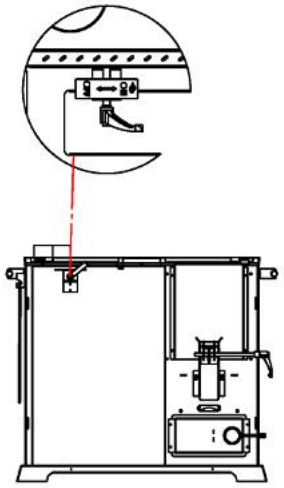
HOW TO USE WITH PELLETS?

1. Set the Pellet Flow On/Off Lever to the 'PELLET OFF' position.
2. Open the Pellet Tank Lid and fill the tank with A1-quality pellets with a 6 mm diameter.
3. Make sure the lower drawer of the Combustion Pot is completely closed.
4. Make sure the Combustion Pot Cleaning Mechanism is in the closed position.
5. Set the Fuel Flow On/Off Lever to the 'PELLET ON' position. You will see the pellets pouring into the combustion pot.
6. Set the Air Adjustment damper to the '+ (PLUS)' position.
7. Place 1 wood-wool firelighter on the pellets in the combustion pot, or pour a sufficient amount of firelighter gel. Light it with a lighter or matches.

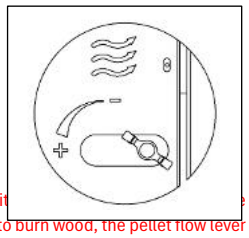
On stoves with a fan, to start the fan system; plug the plug into the socket at the rear of the stove. Plug the plug into a 220-volt outlet and set the switch on the socket to the 'I' position. The fan will start running. To increase and decrease the fan speed, you can use the rotary switch on the left of the stove. (Applies to ECO FAN, ECO PLUS FAN, FLAME series.) YOUR STOVE WILL HAVE LIT WITHIN 15-20 MINUTES.



WARNING:
If your stove is the Saphire Kuzine model;
- Set the Damper On/Off Lever located at the rear right of the stove to the 'ON' position.
- 45 minutes after lighting your stove, set the Damper On/Off Lever at the rear right to the 'OFF' position. (If you do not do this, the oven part will not heat up.)



HOW TO ADJUST THE HEAT?



1. You can adjust the heat of the stove with the 'Heat Adjustment Damper' located at the bottom of the left side.
2. To reduce the heat, turn the damper towards the '- (MINUS)' direction.
3. To increase the heat, turn the damper towards the '+ (PLUS)' direction.
4. You can observe the increase or decrease in heat by the increase and decrease in the flame height.
5. The heat increase and decrease process is not immediately reflected in the flame height. You can observe the results after about 10-15 minutes.
6. When you use your stove with wood, you can increase and decrease the burning rate in the same way.

CAUTION / DANGER!
The heat adjustment can only be made with the Heat Adjustment Damper as described. You cannot lower the heat by reducing the fuel flow wit… stove is burning, the pellet lever must be in the 'PELLET ON' position. When you want to turn off the stove, while cleaning it and while continuing to burn wood, the pellet flow lever must be in the 'PELLET OFF' position. Leaving the pellet lever in a setting other than these two positions will disrupt the order of the pellet flow. In this case, your stove may go out, the firebox chamber may fill with smoke, and it may cause puffing and smouldering.

HOW TO USE WITH WOOD?

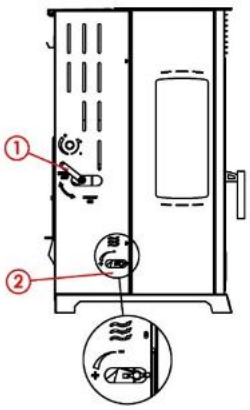
1. Set the Pellet Flow On/Off Lever to the 'PELLET OFF' position and, pressing gently, be sure to hear the click sound. When you hear this sound, the pellet flow is completely cut off.
2. Set the Air Adjustment Lever to the '+ (PLUS)' position.
3. Open the firebox door, place the Wood Burning Tool over the hole of the Burning Tool and place the wood on the grate.
4. Turn the Combustion Pot Cleaning Mechanism Picture 3 to the left as shown and set it to the open position.
5. Place a few wood-wool firestarters on the wood. Light with a lighter or matches.
6. Close the door.

THE STOVE WILL START BURNING WITHIN 15-30 MINUTES.

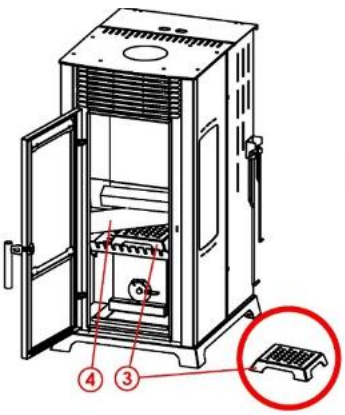
HOW TO SWITCH TO BURNING WOOD WHILE PELLETS ARE BURNING?

1. Set the Pellet Flow On/Off Lever to the 'PELLET OFF' position and, pressing gently, be sure to hear the click sound. When you hear this sound, the pellet flow is completely cut off.
2. Open the firebox door, clean the slag. (See Page 18), place the Wood Burning Tool so that it sits over the Combustion Pot hole.
3. Quickly place the wood along the edges of the combustion chamber.
4. The pellets remaining in the combustion pot and continuing to burn will ignite the wood in a short time.
5. A while after the wood ignites, turn the ember grate inside the pot Picture 3 to the left as shown and set it to the open position.
6. According to your preference, you can occasionally open the firebox door and add wood.

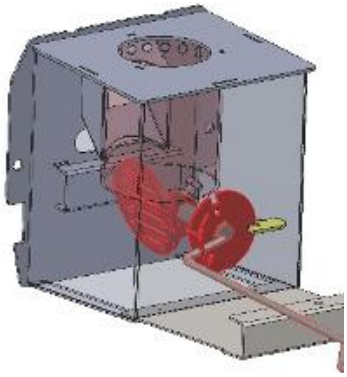
PICTURE 1



PICTURE 2



PICTURE 3



CAUTION / DANGER!

1. When using with wood, at least once every 4 hours pull out the lower drawer of the pot and empty the ash accumulated under the pot into the ash tray.
2. Before each use, perform the daily cleaning. (See Page 19)
3. You can burn briquette logs produced from natural wood sawdust.
4. Apart from natural wood, never burn industrial wood products such as chipboard, MDF, or plywood.
5. Depending on the type and dryness of the wood, the amount of sooting on the glass may increase.
6. Our stoves are not suitable for burning coal.

HOW TO USE WITH PELLETS WHILE SLEEPING AT NIGHT?

1. Before going to bed, make sure the stove goes out and perform its daily cleaning. (See Page 19) (Otherwise, because the Lower Drawer of the Combustion Pot will fill with ash or the time for slag cleaning will come, your stove may go out or smoulder during the night, or the pellets in the tank may char and smoulder due to heat transfer to the tank.)
2. Fill the pellet tank and light your stove again.
3. Throughout the night, use it with the air setting fully open.

CAUTION / DANGER!

1. According to standards accepted worldwide, the use of any solid, liquid, gas or electric manually operated (without electronic control) indoor heater while sleeping at night or while the user is not in the room is not recommended, and such situations are considered highly dangerous. This danger is so great and significant that it can cause loss of life and property. The manner of use stated above by our company is not in the nature of a recommendation or permission to use .
2. During night-time use, you must keep the heat setting in the '+ (PLUS)' position. In the '- (MINUS)' position do not leave it.
3. During night-time use, be sure to perform Slag Cleaning at least once every 8 hours (this period may decrease depending on the pellet quality; we recommend determining the period by testing and observing your pellets during the daytime, and repeating this test each time you buy new pellets). Otherwise, your stove may go out or puff/smoulder. (See Page 18)

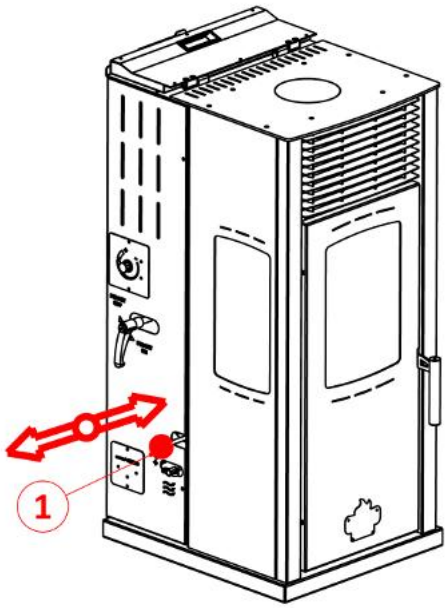
HOW TO CLEAN THE SLAG?

During combustion, depending on the pellet quality, slag forms in the combustion chamber within 6-8 hours. In this case, the combustion efficiency drops and the flame height shortens. With use at a reduced air inlet, this period is shorter. For this reason, clean the slag as described below at intervals of 6-8 hours or when the flame height drops to the 15-20 cm range. In addition, slag cleaning must also be performed during the extinguishing process.

1. Move the 'Slag Cleaning Lever' located below the pellet flow lever back and forth a few times.

CAUTION / DANGER!

When the flame height drops to 15-20 cm, the slag must be cleaned. If it is not, combustion begins to take place inside the pot, and the pellets in the flow line are affected by the heat, causing smoke to come from inside the tank. If the flame height has dropped below 15-20 cm, instead of cleaning the slag, extinguish your stove as described below, perform its daily cleaning and light it again.



WHAT IS SLAG, AND HOW IS THE FORMATION TIME DETERMINED?

Wood pellets are generally produced from pine trees. The resin in the wood melts during combustion and, combining with the ash, turns into a hard structure. This structure closes the air inlet channels inside the pot and combustion decreases. If the slag is not cleaned, the burning height does not increase. The slag formation time differs according to the type of tree from which the pellet is made and the quality of pellet production. You can measure the slag time of the pellets you use or have newly bought as follows.

1. Fill your tank and light your stove as described. (See Page 16)
2. Record the time you lit it and let it burn without turning the stove down (without reducing the air inlet).
3. Observe the combustion every hour and check the time when the flame height drops to 15-20 cm. The time elapsed between the first combustion and the flame height dropping to 15-20 cm is the slag formation time.
4. Performing this measurement each time new pellets are purchased will provide ease of use.
5. Since slag forms in a shorter time when used at a reduced setting (with reduced air inlet), the time measurement must be done at the reduced setting.

HOW TO EXTINGUISH THE STOVE?

Extinguishing the stove after use with pellets;

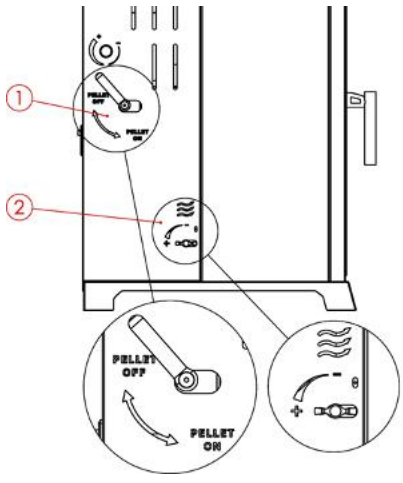
1. Set the Fuel Flow On/Off Lever to the 'PELLET OFF' position and, pressing gently, be sure to hear the click sound. When you hear this sound, the pellet flow is completely cut off.
2. Set the air adjustment damper to the + sign and make sure it is fully open.
3. Perform the slag cleaning. (See Page 18)
4. After the pellets remaining in the pot have burned completely, your stove will go out by itself. Extinguishing can take between 15 and 30 minutes.

Extinguishing the stove after use with wood;

1. Set the air adjustment damper to the + sign and make sure it is fully open.
2. After the wood remaining in the firebox has burned completely, your stove will go out by itself. Depending on the amount of wood remaining inside, the extinguishing process can take between 15 and 30 minutes.

CAUTION / DANGER!

1. We recommend that you do not leave the room until you are sure your stove has gone out completely.
2. Do not burn waste that melts with heat, such as plastic or nylon, in your stove. Such fuels can render your stove unusable.

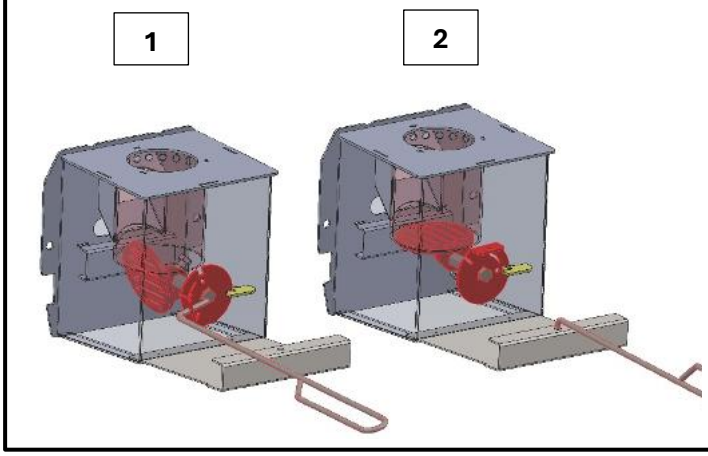


HOW TO PERFORM DAILY MAINTENANCE AND CLEANING?

1. Make sure your stove has gone out and cooled down.
2. Open the firebox door.
3. Insert the cleaning tool into the hole on the lower drawer of the combustion pot and pull it towards you. With this operation, the burnt ash will empty from the combustion pot into the ash drawer. (See 1)
4. Place the Cleaning Tool into the hole on the cleaning mechanism located in front of the combustion pot. Pull the mechanism slightly towards you and release it from the locking tab on the right side. Turn the mechanism to the left and shake it a few times. You will see the ash and slag accumulated in the combustion pot pouring into the ash drawer. (See 2)
5. Turn the mechanism to the right and, when you align it with the locking tab, push it slightly forward.
6. Insert the cleaning tool into the hole on the lower drawer of the combustion pot and push it forward.
7. Take out the ash drawer, empty the ash inside it into the bin and put the drawer back in place.
8. Wipe the glass of the stove with a paper napkin. (When the glass is not cleaned daily, or after use with wood, you may need to clean the soot that forms with a grease-dissolving detergent.)

CAUTION!

1. This cleaning must be done at least once a day.
2. When the stove is extinguished and relit at short intervals during the day, cleaning must also be done.



HOW TO PERFORM MONTHLY MAINTENANCE AND CLEANING?

1. Empty the pellets in the tank. Open the pellet flow lever.
2. Push the rod brush from the tank towards the pellet flow line and make sure the tip of the rod comes out from inside the stove. Repeat this operation 4-5 times.
3. When you buy a new batch of pellets, repeat this operation.

WARNING: Due to the frequency of stove use and quality differences in the pellets, you may need to do this cleaning more often. If jams occur in the pellet flow, you must also do this operation.

HOW TO PERFORM YEARLY MAINTENANCE AND CLEANING?

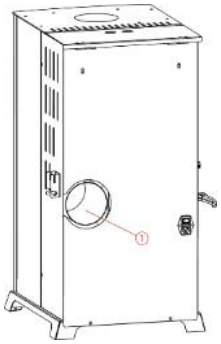
1. Remove the pipes from your stove and from the chimney.
2. Clean the inside of the pipes of soot and deposits using a suitable method.
3. Check your chimney or have it checked. Make sure it has a clean and strong draft.
4. Check the firebox section, the Combustion Pot, the Lower Drawer of the Combustion Pot, the wood grate and the gaskets inside the firebox door. Contact us to get information about worn or eroded parts and to obtain new ones.
5. Remove the inside of the chimney outlet (1) and the Safety Cover (2) and clean the soot accumulated inside with a vacuum cleaner.
6. Put the Safety Cover back in place.
7. The paint on the surface of the Warming Plate gets scratched over time depending on use. You can remove the scratches by buying a Paint Maintenance Kit.

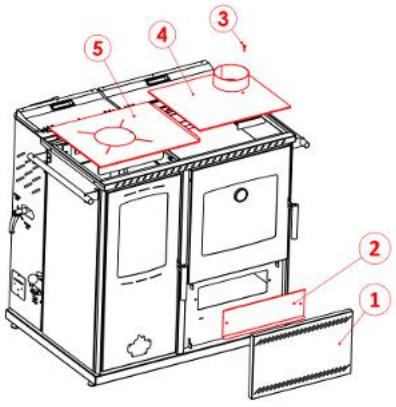
If your stove is the Saphire Kuzine model;

1. Remove the pipes from your stove and from the chimney.
2. Clean the inside of the pipes of soot and deposits using a suitable method.
3. Check your chimney or have it checked. Make sure it has a clean and strong draft.
4. Check the firebox section, the Combustion Pot, the Lower Drawer of the Combustion Pot, the wood grate and the gaskets inside the firebox door. Contact us to get information about worn or eroded parts and to obtain new ones.
5. Remove part number 1 located under the oven door by pulling it from the bottom upwards. Remove cover number 2 located behind this door by unscrewing its screws. Clean the soot and deposits accumulated in the cavity behind the cover with a vacuum cleaner.
6. Remove the top plates by turning the screw shown under number 3. First lift out plate number 4, then plate number 3, and clean the ash and soot that appear.
7. The paint on the surface of the Warming Plate gets scratched over time depending on use. You can remove the scratches by buying a Paint Maintenance Kit.

CAUTION!

This cleaning must be done at least once a year.





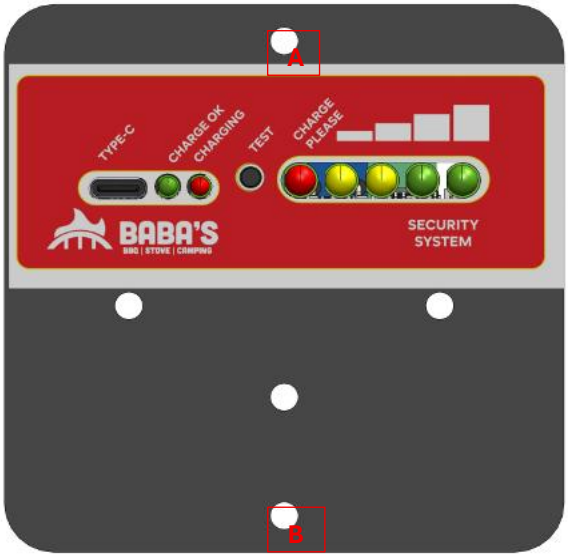
HOW TO USE THE SAFETY SYSTEM?

Our stoves are equipped with an electromechanical safety system. This safety system prevents a possible burn-back that can occur when slag and ash cleaning is not performed, when the pellet feed channels are dirty or clogged, or when problems arise due to pellet quality. To prevent heat from reaching the pellet container, the system automatically cuts off the fuel supply.

There is a battery in the safety system. After installing your stove, charge the battery until the indicator **„Charge OK“** lights up. As soon as you connect the device to the charger, the indicator **„Charging“** lights up. You can also use the stove while the safety system is charging. When the indicator **„Charge Please“** lights up, this means that the battery level is below 25% and the battery must be charged. The button **„Test“** on the stove shows the charge level of the battery via the indicators **25%, 50%, 75% and 100%** . You can check the battery level at any time by pressing this button. With a full charge, the safety system can run for about **3 months** . If this operating time drops to less than **10 days** , please follow the instructions in the section **„HOW TO REPLACE THE BATTERY?“**.

When the temperature of the fuel feed channel **100 °C** exceeds, the safety system is activated. After activation, the pellet lever closes with a clearly audible knocking sound. This sound signals that the safety system is active. After the safety system is activated, the slag must be removed, and the pellets in the burn pot must burn completely. After the flame goes out, the ash cleaning must be performed according to the instructions in the section **„HOW TO PERFORM DAILY MAINTENANCE AND CLEANING?“** . Afterwards, you must wait until the stove has cooled completely. The ash cleaning is important to speed up the cooling process of the stove. Even if the pellet lever is opened before complete cooling, the system closes the lever again.

When the battery of the safety system is completely discharged, none of the LEDs on the control panel light up. In this case, the system must first be charged via the **Type-C port** . The stove can also be operated without a charged battery. In this case, however, the safety system is not functional. In addition, to preserve the life of the battery, the battery should be charged at least **every 4 months** even during prolonged non-use of the stove.



TYPE-C: This is the Type-C charging port.
CHARGE OK: When charging is complete, the LED lights up green. You can unplug the adapter and the Type-C cable.
CHARGING: The red LED lights up during charging.
TEST: When the button is pressed, the LEDs showing the charge level of the batteries light up.
CHARGE PLEASE: A red LED lights up indicating that the charge level of the batteries is below 25% and that you need to charge them as soon as possible.
BATTERY LEVEL LEDS: These are the LEDs that show the battery levels when the test button is pressed.

HOW TO REPLACE THE BATTERY?

This device contains a rechargeable lithium-ion battery/cell:
Model: Aspilsan INR18650A28
Type: rechargeable lithium-ion cell
Nominal voltage: 3.65 V
Capacity: 2800 mAh
Energy: 10.22 Wh

REMOVAL AND REPLACEMENT:
The battery is located behind the metal cover on the left side of your stove that reads ‘Safety System’.
If the batteries no longer charge or their charge runs out in a short time, they need to be replaced.
Before removing the battery, wait for the device to cool completely and disconnect it from the power source.
Loosen the 2 star screws shown as A and B on the panel image, take out the unit and carefully remove the batteries from the compartment.
Install only a battery of the same type or a compatible one approved by the manufacturer.

DISPOSING OF THE OLD BATTERY:
Do not dispose of the battery together with household waste. The crossed-out wheeled bin symbol indicates that the battery must be disposed of separately.
At the end of the device’s service life, when safe and technically possible, the battery must be removed and taken to a battery collection point. Do not throw the battery into a fire, stove, household waste container or into nature.
CAUTION!
- No special protective clothing or equipment is required when handling the battery cells on their own.
- Do not expose the battery compartment to temperatures above 60°C.
- Do not use the device if the battery is deformed, swollen, leaking, overheated or its insulation is damaged.
- If you notice smoke, an unusual smell, leakage, overheating or deformation, stop using the device immediately.
- In the event of cell damage, the release of hazardous substances and a flammable gas mixture is possible.
- Do not expose the battery cell or the battery to extreme temperatures or fire.
- Do not disassemble, crush, puncture or burn the battery cell.
- Do not overcharge or over-discharge the battery cell.
- Do not connect the positive and negative terminals to each other (short circuit).
- Do not place the battery cells on conductive metal.

CAUTION! FIRST AID RECOMMENDATIONS:
General Recommendation; not harmful to health under routine handling and use.
If inhaled; not harmful to health under routine handling and use.
In case of skin contact; not harmful to health under routine handling and use.
In case of eye contact; not harmful to health under routine handling and use.
If swallowed; seek medical advice/attention immediately.

For more detailed technical and safety information, see the SDS section in the appendix of the manual.

PROBLEMS, CAUSES AND SOLUTION METHODS

PROBLEMS	POSSIBLE CAUSES	SUGGESTED SOLUTIONS
PELLETS NOT FLOWING INTO THE COMBUSTION POT OR FLOWING SUDDENLY PUFFING / SUDDEN FLARE-UP	*THE PELLETS IN THE TANK AND PELLET FLOW LINE HAVING SAT FOR A LONG TIME AND/OR THE PELLET FLOW LINE BEING DIRTY*	Empty the pellets in the tank.
		Clean the pellet flow line with a wire brush.
		Do not reuse damp and dusty pellets.
	SLAG CLEANING NOT BEING DONE OR BEING DONE LATE	Follow the flame height of the stove and, when the flame height drops to 15-20 cm, clean the slag.
		When you close the pellet flow lever to extinguish the stove, be sure to clean the slag.
		If, for some reason, slag cleaning has to be done when the flame height has dropped below 15 cm; do the slag cleaning with only one back-and-forth movement. 15-20 minutes after this operation, do the slag cleaning again with three back-and-forth movements.
	DECREASE IN THE AMOUNT OF PELLETS IN THE TANK	Follow the amount of pellets in the tank; if the amount of pellets has dropped below the minimum level indicator (when the curved sections become visible), the pellet tank must be filled.
	THE PELLET DIMENSIONS BEING DIFFERENT AND THE QUALITY BEING LOW	When buying pellets, be sure to state that you want '6 mm diameter, minimum 8 mm and maximum 35 mm length, produced from 100% pine sawdust' pellets. Never buy pellets containing a mixture of MDF or CHIPBOARD.
		Do not buy packaged pellets that do not have these statements on the packaging and that have no manufacturer brand.
		Prefer pellets in transparent packaging. Do not buy pellets whose contents have a large amount of pellets shorter than 8 mm and longer than 30 mm, or that appear to have a lot of dust in the package.
		When buying pellets for the first time, buy a few bags and try them. If you do not experience any problems, buy more.
	USE OF GEL	When you use gel to light your stove; squeeze the gel into the pot in circles.
		Check the part where the pellet flow into the combustion pot occurs. Scrape and clean any residues that could obstruct the pellet flow.
	THE EMBER DRAWER UNDER THE POT NOT BEING FULLY CLOSED	Make sure the ember drawer under the combustion pot is positioned so that it rests against the opposite side and that the lock is closed.
	THE PELLET LEVER BEING THROTTLED	Make sure that as long as the stove is burning, the pellet flow lever is in the 'ON' position.
	THE CHIMNEY DRAFT BEING PROBLEMATIC	Make sure your chimney is built in accordance with the standards.
		Make sure your chimney is clean.
		Make sure your chimney has sufficient draft to light the stove.
		Make sure there are at most three elbows up to the chimney inlet of your stove and that the horizontal pipes are at most 3 metres long.
		Make sure your stove pipes are clean and usable.
		Take measures to prevent back-drafts from entering your chimney.
INABILITY TO ADJUST THE HEAT	THE CHIMNEY DRAFT BEING EXCESSIVELY STRONG	Buy a chimney damper and install it at the outlet of the stove or in a suitable place.
		Close the damper gradually until the stove is regulated by the air adjustment damper.
		After finding the correct position, fix your damper. And always use it at this setting.
SMOKE COMING FROM THE PELLET TANK THE PELLETS IN THE TANK CHARRING AND/OR IGNITING	*THE PELLET LEVER NOT BEING FULLY CLOSED*	When you set the pellet lever to the 'OFF' position to extinguish the stove, press the lever a little and hear the 'CLICK' sound. And clean the slag.
	THE EMBER DRAWER NOT BEING FULLY CLOSED	Make sure the ember drawer under the combustion pot is positioned so that it rests against the opposite side.
	DECREASE IN THE AMOUNT OF PELLETS IN THE TANK	Follow the amount of pellets in the tank; when the curved sections become visible, the pellet tank must be filled.
		Especially when burning wood, the pellet tank must be at least half full.
	SLAG CLEANING NOT BEING DONE OR BEING DONE LATE	Follow the flame height of the stove and, when the flame height drops to 15-20 cm, clean the slag.
		When you close the pellet flow lever to extinguish the stove, be sure to clean the slag.
		If, for some reason, slag cleaning has to be done when the flame height has dropped below 15 cm; do the slag cleaning with only one back-and-forth movement. 15-20 minutes after this operation, do the slag cleaning again with three back-and-forth movements.
	DAILY CLEANING NOT BEING DONE	Extinguish the stove at least once every 12 hours and perform its daily cleaning.
	THE PELLET DIMENSIONS BEING DIFFERENT AND THE QUALITY BEING LOW	When buying pellets, be sure to state that you want '6 mm diameter, minimum 8 mm and maximum 35 mm length, produced from 100% pine sawdust' pellets. Never buy pellets containing a mixture of MDF or CHIPBOARD.
		Do not buy packaged pellets that do not have these statements on the packaging and that have no manufacturer brand.
		Prefer pellets in transparent packaging. Do not buy pellets whose contents have a large amount of pellets shorter than 8 mm and longer than 30 mm, or that appear to have a lot of dust in the package.
		When buying pellets for the first time, buy a few bags and try them. If you do not experience any problems, buy more.
	THE CHIMNEY DRAFT BEING PROBLEMATIC	Make sure your chimney is built in accordance with the standards.
		Make sure your chimney is clean.
		Make sure your chimney has sufficient draft to light the stove.
		Make sure there are at most three elbows up to the chimney inlet of your stove and that the horizontal pipes are at most 3 metres long.
		Make sure your stove pipes are clean and usable.
		Take measures to prevent back-drafts from entering your chimney.
THE STOVE GOING OUT BY ITSELF LATE IGNITION THE FLAME NOT RISING	*THE EMBER DRAWER NOT BEING FULLY CLOSED*	Make sure the ember drawer under the combustion pot is positioned so that it rests against the opposite side and that the lock is closed.
	THE CHIMNEY DRAFT BEING PROBLEMATIC	Make sure your chimney is built in accordance with the standards.
		Make sure your chimney is clean.
		Make sure your chimney has sufficient draft to light the stove.
		Make sure there are at most three elbows up to the chimney inlet of your stove and that the horizontal pipes are at most 3 metres long.
		Make sure your stove pipes are clean and usable.
		Take measures to prevent back-drafts from entering your chimney.
	THE PELLET DIMENSIONS BEING DIFFERENT AND THE QUALITY BEING LOW	When buying pellets, be sure to state that you want '6 mm diameter, minimum 8 mm and maximum 35 mm length, produced from 100% pine sawdust' pellets. Never buy pellets containing a mixture of MDF or CHIPBOARD.
		Do not buy packaged pellets that do not have these statements on the packaging and that have no manufacturer brand.
		Prefer pellets in transparent packaging. Do not buy pellets whose contents have a large amount of pellets shorter than 8 mm and longer than 30 mm, or that appear to have a lot of dust in the package.
		When buying pellets for the first time, buy a few bags and try them. If you do not experience any problems, buy more.
THE ELECTRONIC SAFETY SYSTEM LIGHTS DO NOT COME ON	*CHARGE DEPLETION*	The system's charge may be depleted; charge it with a USB TYPE-C adapter and cable.
	THE END OF THE BATTERY LIFE	If the LED lights do not come on despite charging and the charge runs out in a short time, it means the batteries have reached the end of their life. Buy a battery of the model specified in the user manual and, following the instructions, replace the batteries with new ones.
	ELECTRONIC BOARD FAULT	If none of the LED lights come on despite the battery replacement, contact us using the contact information in the user manual.

Declaration of Performance (DoP)

18.06.2026

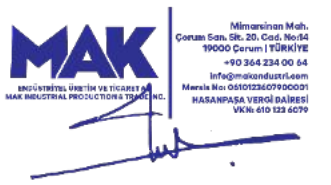
PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	ECO MINI
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, fan-assisted).
3. Manufacturer	MAK ENDÜSTRIYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 530A/09.02.2026 (test) · 1837-AoP-CPR-0063A

Performance Table	
Parameter	Value
CO emission (13% O_2)	196 mg/m^3 (limit: 300 mg/m^3)
NOx emission (13% O_2)	96 mg/m^3 (limit: 200 mg/m^3)
OGC emission (13% O_2)	19 mg/m^3 (limit: 60 mg/m^3)
PM (13% O_2)	15 mg/m^3 (limit: 20 mg/m^3)
Nominal total heat output	8.2 kW
Nominal efficiency	90%
Seasonal space heating efficiency	80%
EEI	121
Energy Label Class	A+
Nominal flue gas temperature	146 °C
Nominal flue gas flow rate	6.3 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 52.2 °C · Rear 54.1 °C · Side 55.6 °C · Front 43.8 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

M. Ahmed KÖKSAL



Declaration of Performance (DoP)

18.06.2026

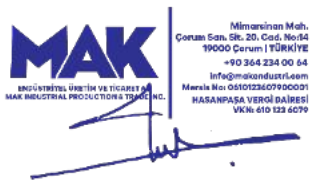
PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	ECO
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, fan-assisted).
3. Manufacturer	MAK ENDÜSTRIYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 525A/28.01.2026 (test) · 1837-AoP-CPR-0058A

Performance Table	
Parameter	Value
CO emission (13% O_2)	241 mg/m^3 (limit: 300 mg/m^3)
NOx emission (13% O_2)	133 mg/m^3 (limit: 200 mg/m^3)
OGC emission (13% O_2)	26 mg/m^3 (limit: 60 mg/m^3)
PM (13% O_2)	16 mg/m^3 (limit: 20 mg/m^3)
Nominal total heat output	8.2 kW
Nominal efficiency	90%
Seasonal space heating efficiency	80%
EEI	120
Energy Label Class	A+
Nominal flue gas temperature	140 °C
Nominal flue gas flow rate	7.3 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 48.7 °C · Rear 49.3 °C · Side 50.3 °C · Front 39.3 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

M. Ahmed KÖKSAL



Declaration of Performance (DoP)

18.06.2026

PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	FLAME
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, fan-assisted).
3. Manufacturer	MAK ENDÜSTRIYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 526A/30.01.2026 (test) · 1837-AoP-CPR-0059A

Performance Table	
Parameter	Value
CO emission (13% O_2)	158 mg/m^3 (limit: 300 mg/m^3)
NOx emission (13% O_2)	106 mg/m^3 (limit: 200 mg/m^3)
OGC emission (13% O_2)	20 mg/m^3 (limit: 60 mg/m^3)
PM (13% O_2)	17 mg/m^3 (limit: 20 mg/m^3)
Nominal total heat output	12.2 kW
Nominal efficiency	90%
Seasonal space heating efficiency	80%
EEI	121
Energy Label Class	A+
Nominal flue gas temperature	155 °C
Nominal flue gas flow rate	9.0 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 45.0 °C · Rear 49.3 °C · Side 51.7 °C · Front 43.4 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

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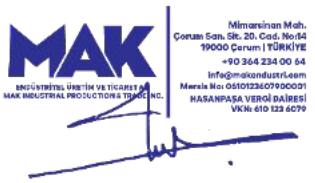

Declaration of Performance (DoP)

18.06.2026

PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	GOLD
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, fan-assisted).
3. Manufacturer	MAK ENDÜSTRIYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 527A/03.02.2026

Performance Table	
Parameter	Value
CO emission (13% O_2)	362 mg/m^3
NOx emission (13% O_2)	137 mg/m^3
OGC emission (13% O_2)	12 mg/m^3
PM (13% O_2)	15 mg/m^3
Nominal total heat output	12.2 kW
Nominal efficiency	91%
Seasonal space heating efficiency	81%
EEI	122
Energy Label Class	A+
Nominal flue gas temperature	158 °C
Nominal flue gas flow rate	8.1 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 55.6 °C · Rear 58.3 °C · Side 57.5 °C · Front 41 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

M. Ahmed KÖKSAL

Declaration of Performance (DoP)

18.06.2026

PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	SAPHIRE
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, fan-assisted).
3. Manufacturer	MAK ENDÜSTRIYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 528A/04.02.2026 (test) · 1837-AoP-CPR-0061A

Performance Table	
Parameter	Value
CO emission (13% O_2)	128 mg/m^3 (limit: 300 mg/m^3)
NOx emission (13% O_2)	168 mg/m^3 (limit: 200 mg/m^3)
OGC emission (13% O_2)	5 mg/m^3 (limit: 60 mg/m^3)
PM (13% O_2)	18 mg/m^3 (limit: 20 mg/m^3)
Nominal total heat output	10.2 kW
Nominal efficiency	90%
Seasonal space heating efficiency	80%
EEI	121
Energy Label Class	A+
Nominal flue gas temperature	133 °C
Nominal flue gas flow rate	8.7 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 70.1 °C · Rear 71.3 °C · Side 71.5 °C · Front 52.2 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

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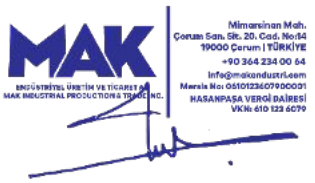

Declaration of Performance (DoP)

18.06.2026

PRODUCT AND MANUFACTURER INFORMATION	
1. Product family/series	SILVER
2. Intended use	Solid-fuel room heater for indoor space heating in residential buildings (pellet, gravity-fed, mechanical).
3. Manufacturer	MAK ENDÜSTRİYEL ÜRETİM VE TİCARET A.Ş.
4. Manufacturer address	Mimar Sinan Mah. Ankara Yolu 5. Cadde No: 33, Merkez / ÇORUM / TÜRKİYE
4A. Telephone	+90 532 628 00 99
4B. E-mail	info@makendustri.com
5. AVCP system	System 3
6. Harmonised standard	EN 16510-2-1:2023
7. Notified body / test laboratory	NB 1837 – ITEM Consult Ltd.
8. Test report number	CPR 529A/05.02.2026

Performance Table	
Parameter	Value
CO emission (13% O_2)	249 mg/m^3
NOx emission (13% O_2)	98 mg/m^3
OGC emission (13% O_2)	11 mg/m^3
PM (13% O_2)	19 mg/m^3
Nominal total heat output	8.1 kW
Nominal efficiency	90%
Seasonal space heating efficiency	80%
EEI	120
Energy Label Class	A+
Nominal flue gas temperature	151 °C
Nominal flue gas flow rate	6.4 g/s
Safe distances	Side 500 mm, Rear 200 mm, Bottom 100 mm, Front 1000 mm
Surface temperatures (fire safety, limit ≤ Ta + 65 K)	Floor 59.2 °C · Rear 60.4 °C · Side 60.8 °C · Front 44 °C

The performance of the product identified in the 'PRODUCT AND MANUFACTURER INFORMATION' table conforms to the performance declared in the 'PERFORMANCE TABLE'. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

GENERAL MANAGER

M. Ahmed KÖKSAL

NOTES

NOTES

REFERENCE CODE EXPLANATIONS	
A	Calculated for buildings with low insulation. For the m^3 calculation, a floor height of 2.5 metres was assumed.
B	Except for models with a rear outlet.
C	For stoves that have an electronic board, fan, pump, etc.
C	For models with a water system.
E	Only in EU versions
F	For models with a rear chimney outlet.
G	Only for models with an oven.
H	Only in TR versions.
I	For versions with a glass tube.
J	Only for fully automatic devices.
K	Only for manual water-system stoves.

WARRANTY CERTIFICATE

- Our stoves are guaranteed for 2 years against manufacturing defects. There is also a 10-year spare parts guarantee. (For 10 years, you can obtain worn and eroded parts from our company.)
- According to the applicable laws and regulations, technical service is not provided for manual stoves.
- Scratches that occur on the paint depending on use are outside the scope of the warranty.
- Do not remove the silver-coloured label on the rear surface of the stove, which bears technical information, the serial number and the production date, nor the logo label on the front door of the stove. If the labels are removed, your product will fall outside the scope of the warranty.
- User errors are outside the scope of the warranty.
- The sales invoice serves in place of the warranty certificate.
- When you encounter unexpected situations during use, apply the procedures in the 'Problems, Causes and Suggested Solutions' section of the user manual.

SERIAL NO.	DATE OF SALE

MAK ENDÜSTRİYEL ÜRETİM VE TİCARET AŞ.
ADDRESS: Mimar Sinan Mah. Çorum Sanayi Sit. 20. Cadde No: 14
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TEL: +90 532 628 00 99
WHATSAPP: +90 532 628 00 99
www.makendustri.com
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MAK
ENDÜSTRİYEL ÜRETİM VE TİCARET A.Ş.
INDUSTRIAL PRODUCTION AND TRADE INC.