TOPO I

Operating Manual

RIKA®
THE AUSTRIAN FIRE

1. PREFACE

Explanations to symbols

...important note

...useful tip

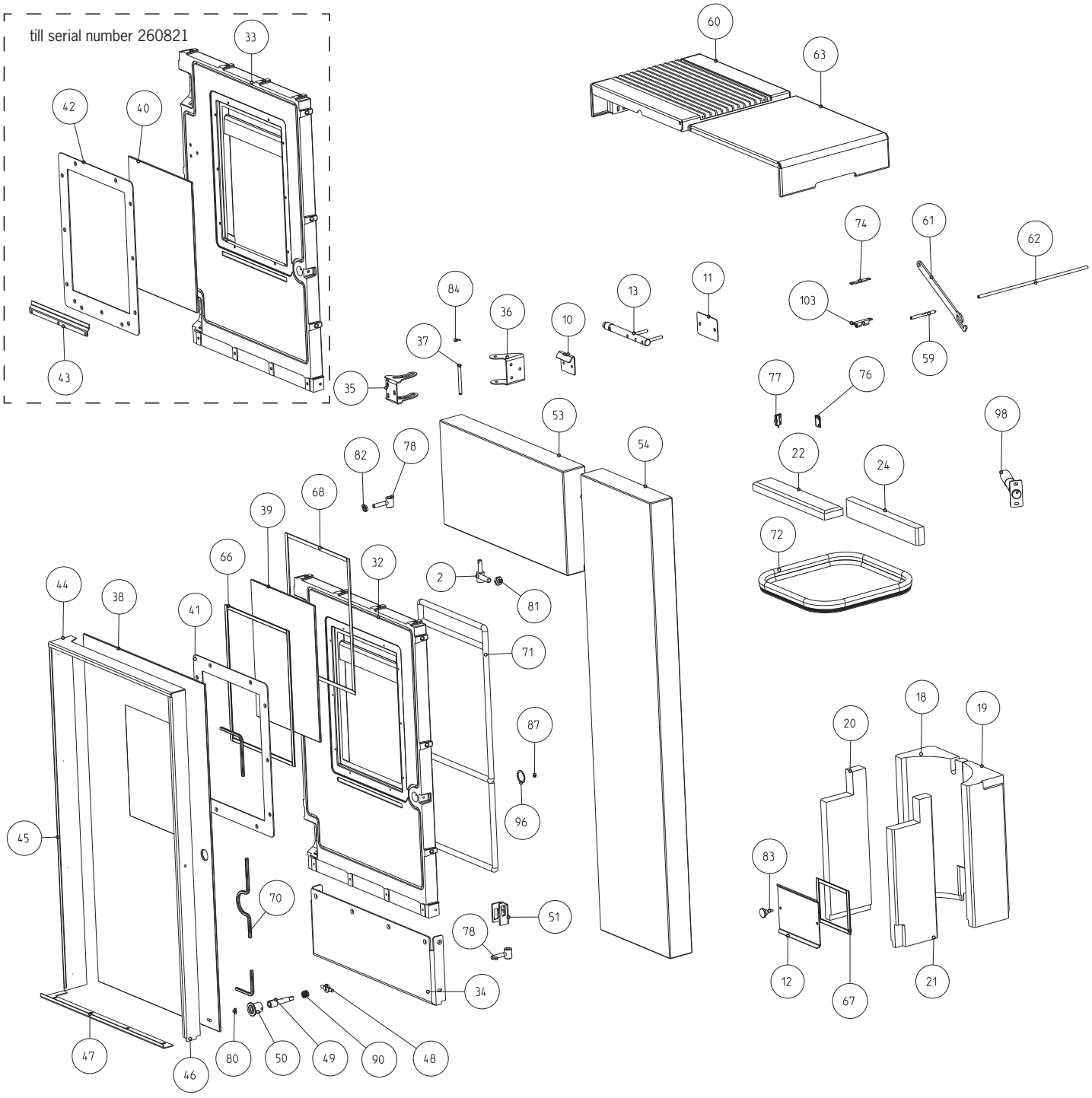
...hex #8 (M5 winding)

...hex #10 (M6 winding)

...allen key #6 (M8 winding)

...manually

...scrawl with copper paste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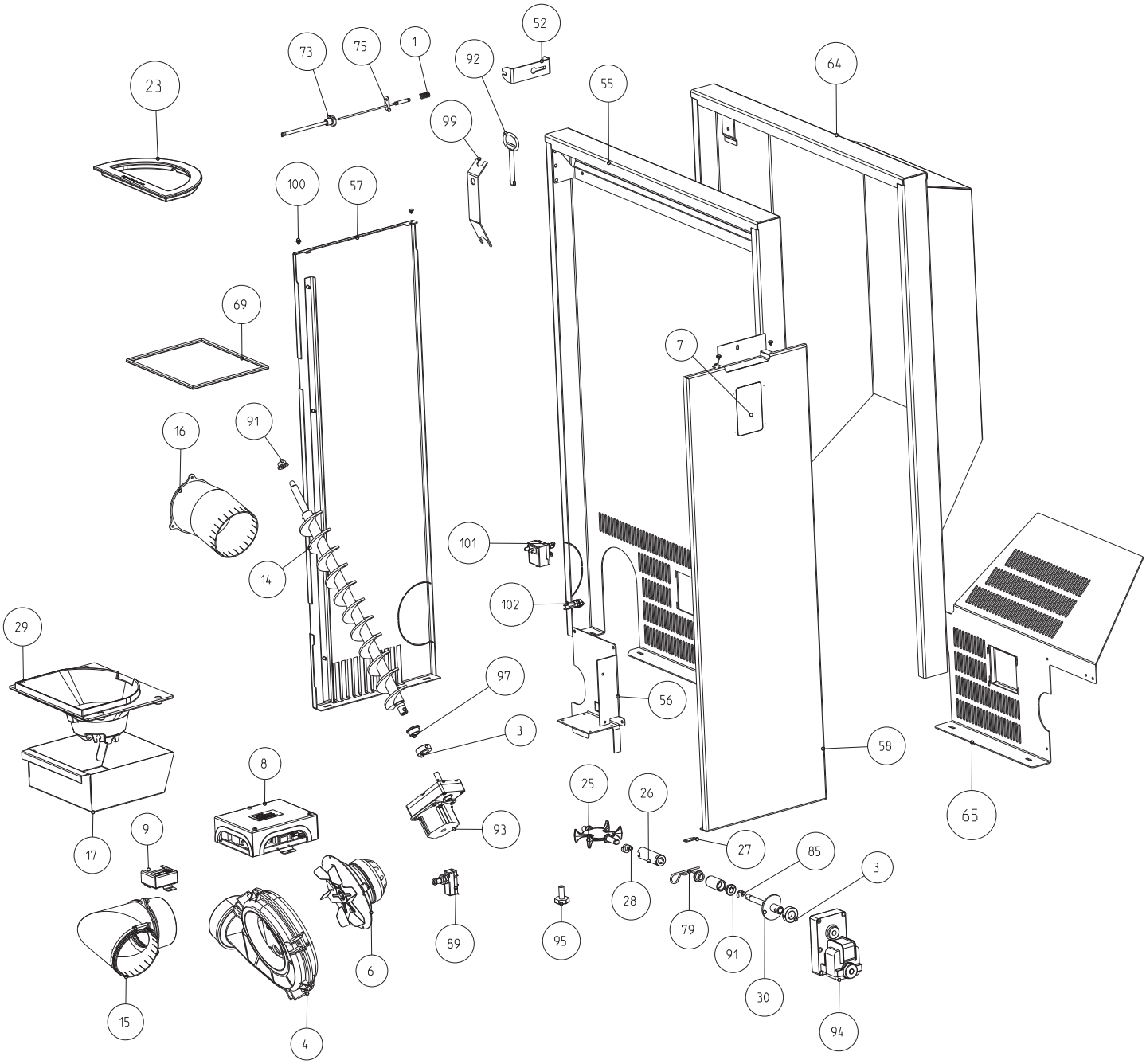
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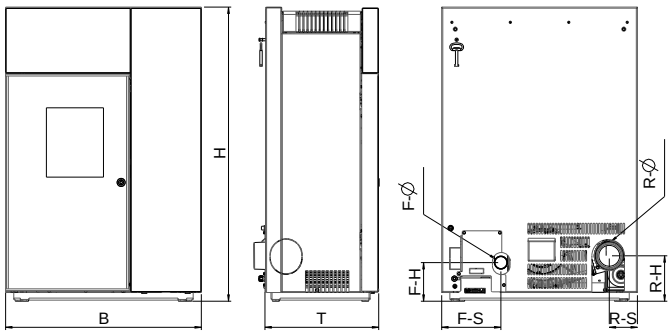
#	Art.Nr.:	Description
1	N108131	pressure spring rotating grid
2	B15825	Hinge BA1
3	Z11915	lock ring conveyer screw
4	B16155	Induced draft fan housing
	B15913	Induced draft fan cpl.
6	N111581	induced draught fan motor
7	B16521	Control panel
7	B16574	touch-Display
8	B15856	Motherboard C2 (for control panel)
8	B16561	mainboard USB11
9	B16030	additional board
10	L01598	Stone retaining bracket
11	L01752	Support stone bracket
12	B16302	Cleaning opening
13	B16265	Stone retainer
14	B16183	Screw
15	B16172	Connecting bend cpl.
16	B16251	Connecting bend for flue pipe outlet, side
17	L01611	Ash tray
18	Z35178	Inner lining, rear left
19	Z35179	Inner lining, rear right
20	Z35180	Inner lining, front left
21	Z35181	Inner lining, front right
22	Z34787	Inner lining, top front
23	Z34437	Flue plate
24	Z34788	Inner lining, top rear
25	Z33687	Grid
26	Z33924	intermediate shaft dump grate
27	L01581	Retaining plate
28	L01875	driving plate dump grate
29	Z33921	Recess
30	B16175	Drive shaft
	B16178	Combustion chamber door cpl.
32	Z33695	Combustion chamber door
33	Z34123	Combustion chamber door (till nr.: 260 821)
34	Z33943	Door bracket, lower
35	Z33948	Door stop 1
36	Z33941	Door stop 2
37	Z33934	Stop bolt
38	Z33697	Decorative glass
39	Z34316	Combustion chamber door glass
40	Z34327	Cc-door glass (till serial nr.: 260 821)
41	Z34318	Glass retaining frame
42	Z34328	Glass retaining frame (till serial nr.: 260 821)
43	Z34329	Glass retaining frame (from serial nr.: 260 821)
44	Z33945	Glass retainer, upper
45	Z33946	Glass retainer, left
46	Z33947	Glass retainer, right
47	Z33944	Glass retainer, lower
48	L01606	Locking latch
49	Z33931	Locking bolt
50	Z33932	Glass insert
51	Z33976	Locking piece
52	L01648	Pressure bracket
53	Z33957	Soapstone casing, upper
53	Z34399	Sandstone casing, top
53	Z34414	Shale, top, white
53	Z34401	Shale, top, dark
54	Z33958	Soapstone casing, right
54	Z34400	Sandstone casing, right
54	Z34415	Shale, right, white
54	Z34402	Shale, right, dark
54	B16301	Soapstone casing, right (till serial nr.: 254 124)
55	LB00462	Rear panel cpl.
56	L01600	Cover rear panel
57	Z33950	Side casing panel, left
58	B16180	Side casing panel, right (for control panel)
58	B16883	Side casing panel, right (for TouchDisplay)
59	Z33936	Cover axis (Convection cover)
60	B16189	Convection cover
61	L01631	Cover securing mechanism
62	Z33935	Cover axis (Container cover)
63	B16186	Container cover
64	LB00517	Back panel cpl. (for Topo XL)
65	LB00518	back panel cover (for Topo XL)
66	N111828	Flat sealing strip 6x2, self-adhesive
67	N103693	culimeta flat packing black 8x2
68	N103693	culimeta flat packing black 8x2
69	N103066	Round sealing strip D06 (Recess)
70	N111631	round sealing cord grey Ø6mm
71	N100485	Round sealing strip D12
72	N111731	container seal
73	B16053	sensor tube
74	L01446	Lock washer
75	B16114	Temperature sensor
76	N111732	magnetic switch upper section
77	N111733	Solenoid switch lower part
78	B15396	Hinge
79	N111538	spring plug
80	N110447	Headless screw (catch limiter)
81	N100483	Hexagonal nut M10
82	N106283	Hexagonal nut M8
83	N111743	Knurled screw
84	N103981	Shaft locking clip D5
85	N104718	shaft securing device
87	N102434	Setscrew (Glass insert)
89	N111825	door contact switch
90	N108131	pressure spring rotating grid
91	Z35183	Sintered bearing Di10
92	N111576	Switch cabinet key
93	N111820	Screw motor, stepless
94	N111751	Mudhole door motor
95	N111773	Levelling screw
96	N111781	Sealing ring (Glass insert)
97*	Z35182	Plastic bearing
98	B16947	Ceramic igniter with fuse 2,5 A
99	L01751	Foot adjusting key for levelling screw
100	Z34424	Rubber buffer
101	N111586	safety temperature limiter
102	N107887	fuse holder
103	N110461	double ball catch
	B16202	Cable harness
	B15981	Adapter cable for induced draft fan motor
	Z35018	Cable touch display
	Z35296	heat exchanger 1 (till serial number 307 998)
	L01787	motor plate

Dimensions



Dimensions		Topo	Topo XL
height	[mm]	1082	1082
width	[mm]	720	720
corpus depth	[mm]	418	595
Weight		**Topo**	**Topo XL**
weight without shell	[kg]	166	168
weight with shell	[kg]	230	232
Flue pipe connection		**Topo**	**Topo XL**
R - Ø flue pipe outlet	[mm]	100	100
RO - H original angle pipe connection height	[cm]	-	-
RO - T1 original angle pipe total depth	[cm]	-	-
RO - T2 original angle pipe distance to rear wall	[cm]	-	-
RO - S original angle pipe side distance	[cm]	-	-
R - H rear connection height	[cm]	17	17
R - S rear connection side distance	[cm]	10	10
Fresh air connection		**Topo**	**Topo XL**
F - Ø diameter	[mm]	50	50
F - H connection height	[cm]	14	14
F - S side distance	[cm]	22	22
Convection air connection		**Topo**	**Topo XL**
K - Ø diameter	[mm]	-	-
K - H connection height	[cm]	-	-
K - S side distance	[cm]	-	-

Amount of fuel

Burn time at full pellet hopper	Topo (47kg)	TopoXL (70kg)
nominal load	ca. 24h*	ca. 35h*
part load	ca. 47h*	ca. 70h*

**Practical values may vary depending on pellet quality.*

Technical data		Topo	Topo XL
heating power range	[kW]	3 - 10	3 - 10
room heating capacity (depending on house insulation)	[m³]	70 - 260	70 - 260
fuel consumption	[kg/h]	bis 2,4	bis 2,4
pellet container capacity	[kg]	47	70
electric supply	[V]/[Hz]	230/50	230/50
average electrical input	[W]	~ 20	~ 20
fuse	[A]	2,5 AT	2,5 AT
Efficiency	[%]	91	91
CO2	[%]	11,6	11,6
CO-emission on 13% OO	[mg/m_N^3]	32	32
dust emission	[mg/m_N^3]	13	13
exhaust	[g/s]	6,1	6,1
exhaust temperature	[°C]	156	156
chimney draft requirement	[Pa]	0	0

Note
Pellet consumption depends on the size of the pellets. The larger the pellet, the slower the feed and vice versa

The owner of small firing systems or the person authorised for the small firing system is to keep the technical documentation and is to submit it to the authorities or the chimney sweep on request.

Note
Please observe the national and European standards as well as local regulations concerning the installation and operation of firing installations!

Packaging

Your first impression is important to us!!

The packaging of your new stove provides excellent protection against damage. However damage to the stove and accessories may still occur during transport.

Note
Therefore please check your stove on receipt for damage and completeness! Report any deficiencies to your dealer immediately! Pay particular attention during unpacking that the stone panels remain intact. Scratches to the material can easily occur. Stone panels are excluded from the warranty

The packaging of your new stove is environmentally neutral to a great extent

Tip
The wood used in the packaging has not been surface treated and may therefore be burnt in your stove. The cardboard and film (PE) can be disposed of via the municipal waste collection for recycling.

Electrical connection

The stove is supplied with an approx. 2m long connecting cable with a Euro-plug. This cable is to be connected to a 230Volt/50Hz socket. The average electrical power consumption is some 20 Watt in heating operation. And approx. 270 Watt during automatic ignition. The connection cable must be laid so that there is no contact to any sharp edges or hot surfaces of the stove.

2. IMPORTANT INFORMATION

General warning and safety information

Observance of the introductory general warning information is imperative.

- Read the entire manual thoroughly before installing and putting the stove into service. Observe the national provisions and laws as well as the regulations and rules applicable locally.
- Only approved transport equipment with sufficient load carrying capacity may be used with your heating appliance.
- Your heating appliance is not suitable for use as a ladder or stationary scaffolding.
- The burning of fuel releases heat energy that lead to extensive heating of the stove surfaces, doors, door and operating handles, glass, flue pipes and possibly the front wall. Refrain from touching these parts without appropriate protective clothing or equipment e.g. heat-resistant gloves or means of operation (operating handle).
- Make your children aware of this particular danger and keep them away from the stove during heating.
- Only burn approved heating materials
- The combustion or introduction of highly flammable or explosive materials such as empty spray cans etc. in the combustion chamber and storing them near the stove is strictly prohibited due to the danger of explosion.
- No light or inflammable clothing is to be worn when post-heating.
- Placing non-heat resistant objects on the stove or near it is prohibited.
- Do not place clothing on the stove to dry.
- Stands for drying clothes etc. must be placed at a sufficient distance to the stove – ACUTE DANGER OF FIRE!
- When your stove is burning, the use of highly inflammable and explosive materials in the same or adjacent rooms is prohibited

Note
Waste and liquids may not be burnt in the stove!

Note
CAUTION when filling the supply container.
The pellet container opening is sufficient to ensure easy filling. Take great care that no pellets drop onto the convection fins and the hot stove body. This may lead to heavy smoke development.

Tip
We therefore recommend refilling the supply container when the stove is cold.

Safety distances Topo

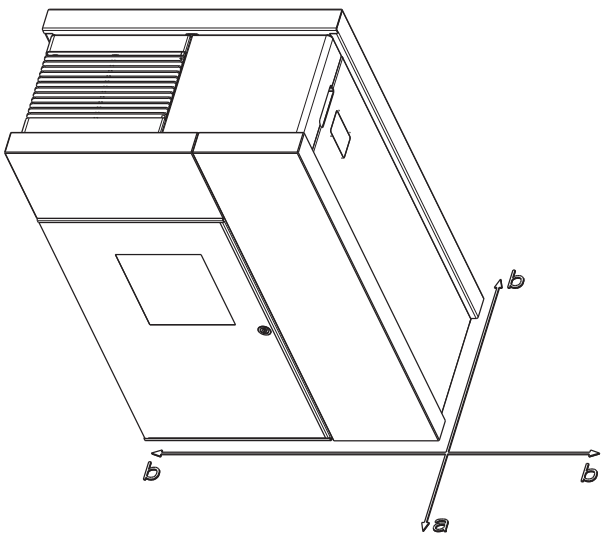
Note
1. To non-combustible objects
a > 40 cm b > 10 cm
2. To combustible objects and reinforced concrete load-bearing walls
a > 80 cm b > 20 cm

Tip
please observe a minimum distance of 20 cm behind and sideways the stove for maintenance.

Safety distances TopoXL

Note
1. To non-combustible objects
a > 40 cm b > 0 cm
2. To combustible objects and reinforced concrete load-bearing walls
a > 80 cm b > 0 cm

Tip
You can put the TopoXL directly to the wall. But for service and maintenance we recommend a minimum distance of 10 cm behind the furnace in order to dismantle the rear panel without allowing the machine to move. (lower maintenance and service costs)



Prior to set up

Floor bearing capacity

Ensure that the substructure is capable of bearing the weight of the stove prior to set-up.

Note
No modifications may be made to the firing installation. This also leads to loss of warranty and guarantee.

Floor protection

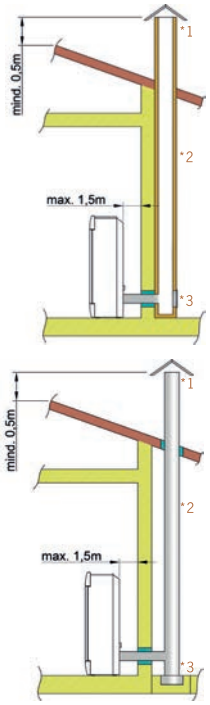
A base is required (glass, sheet steel or ceramic) if the floor is combustible (wood, carpet, etc.).

Flue pipe connection

- Flue pipes pose a particular source of hazard regarding gas leaks and fire. Get the advice of an authorised specialist company for the layout and assembly.
- Please observe the corresponding installation guidelines for walls panelled with wood when connecting your flue pipes to the stove,
- Observe the formation of flue gas (atmospheric inversion) and draughts when the weather is unfavourable.
- Infeed of too little combustion air can lead to smoke in the rooms or to flue gas leaks. Hazardous deposits in the stove and chimney may also occur.
- If flue gas escapes, let the fire burn out and check whether all the air inlet openings are free and the flue gas pipes and the stove pipe are clean. If in doubt notify the master chimney sweep since draught malfunctions may be connected to your chimney.
- Only use suitable tools from our range of accessories when handling embers and make sure that no embers fall out of the combustion chamber onto inflammable material.
- Use the heat-resistant gloves supplied to open the doors of your stove.

The correct chimney connection

There are several ways to connect your stove to the chimney, eg:



1) wind break, 2) chimney, 3) inspection opening

For the selection of the connection and to ensure a proper connection between the stove and chimney, please read the guide „INSTALLING THE STOVE“ or ask your local chimney sweep.

Stoves type 1 (BA 1):

- Suitable for multiple occupancy. (note the different country regulations)

Note
on ROOM-AIR DEPENDENT and
ROOM-AIR INDEPENDENT OPERATION:
Your stove has been tested as a room-air dependent stove according to EN 14785 and does not conform in Germany to the requirements for room-air independent operation. In combination with room-air installations (e.g. controlled ventilation and venting systems (extractors etc.) it must be ensured that the stove and the room air system are monitored and safeguarded mutually (e.g. via a differential pressure controller etc.). The combustion air infeed of approx. 40 m3/h must be ensured. Please observe the respective local regulations and rules in consultation with your master chimney sweep

3. BRIEF INFORMATION ON FUEL - PELLETS

What are pellets?

Wood pellets are a standardised fuel. Every manufacturer must adhere to certain conditions in order to enable flawless, energy-efficient heating. Pellets are made from wooden waste, from sawmills and planning workshops, as well as from residue from forestry operations. These “starting products” are crushed, dried, and pressed into Pellet “Fuel” without any bonding agent.

ENplus – Pellets

This new pellets are a standard sets new benchmarks in the European pellet market. The traceability of pellets is ensured thanks to the use of identification numbers. The pellet manufacturers’ production facilities and manufacturing processes are reviewed every year. A quality assurance system ensures the pellets comply with the requirements of the new standard and that the conditions for trouble-free heating are guaranteed

Wood pellet specification according to ENplus – A1

parameter	measure	ENplus-A1
diameter	mm	6 (±1)[2)]
length	mm	3,15 bis 40[3)]
buld density	kg/m³	≥600
calorific value	MJ/kg	≥16,5
water content	Ma.-%	≤10
fine fraction (<3,15mm)	Ma.-%	≤ 1
mechanical rigidity	Ma.-%	≥97,5[4)]
ash content	Ma.-%[1)]	≤0,7
ash softening temperature	(DT) °C	≥1200
chlorine content	Ma.-% [1)]	≤0,02
sulphur content	Ma.-% [1)]	≤0,03
nitrogen content	Ma.-% [1)]	≤0,3
copper content	mg/kg [1)]	≤10
chrome content	mg/kg [1)]	≤10
arsenic content	mg/kg [1)]	≤1
cadmium content	mg/kg [1)]	≤0,5
mercury content	mg/kg [1)]	≤0,1
lead content	mg/kg [1)]	≤10
nickel content	mg/kg [1)]	≤10
zinc content	mg/kg [1)]	≤100

1) in an anhydrous state

2) diameter must be specified

3) a maximum of 1% of the pellets may be longer than 40 mm, max. length is 45 mm

4) the limit value of ≥97,7 Ma.-% applies when conducting measurements with a lignotester (internal control)

Note
Please ask your pellet stove dealer for tested fuel and a list of monitored fuel manufacturers.
Using poor quality or prohibited pellet fuel will have a negative effect on the function of your pellet stove and can also lead to the warranty becoming null and void, as well as the product liability connected with this. Observe waste incineration legislation!
Only burn pellets that have been inspected according to ÖNORM, DIN Plus or ENplus-A1.

Pellet storage

In order to guarantee problem free burning of the wooden pellets, it is imperative necessary to store the fuel as dry as possible and free from impurities.

Pellets should not be kept in sacks outdoors or stored in a manner where they are exposed to the environment. This can lead to blockages in the screw conveyor

Note
“screw stoppers” are excluded from the warranty.

Note
Your pellet stove is only approved for the burning of wood or pellets of tested quality. Burning straw, maize, woodchips etc. is not permitted! Non-observance of these regulations makes void all warranty and guarantee claims and may impair the safety of the unit!

4. TECHNOLOGY AND SAFETY FUNCTIONS

The technological advances in your new combi stove are the result of years of testing and practical experience. The practical advantages of your pellet stove are convincing:

Operating comfort

The microprocessor-controlled combustion regulation optimises the interaction of flue gas blower and screw using the current combustion chamber temperature. This guarantees optimum combustion and operating status.

All function can be regulated centrally using the integrated operating unit. The intuitive graphic interface permits easy operation; all the settings can be made quickly and simply.

Top efficiency – lowest emissions

A very great heat exchange surface together with optimum combustion air control leads to excellent fuel utilisation.

Fine continuous pellet dosing in an optimised burner pot made of high-quality grey cast iron leads to virtually complete combustion with very good exhaust gas values - and this is guaranteed in every operating phase.

Note
The automatic control system means that during operation, the flame noise, pellets dropping and actuation of the electronic components permissible for living spaces are audible.

Overheating

A safety temperature limiter (STL) switches the stove off automatically on overheating. Once the stove has cooled, the STB at the stove rear must be unlocked manually (pressed). The stove is ready for operation again after acknowledging the error message at the internal unit.

Note
Maintenance and cleaning work must be performed if overheating occurs! If this error recurs, operation without danger is no longer guaranteed; notify customer service immediately.

Low-temperature shutdown

The unit switches off if the stove cools below a minimum temperature. This switch-off may occur if pellet ignition is delayed.

Electrical excess current protection

The stove has a main fuse (at the rear) to protect against excess current

Component monitoring

All the electrical components used are continuously monitored during operation. If a component is defective or can no longer be actuated correctly, then operation is stopped and a warning or error message is issued (see WARNING AND ERROR MESSAGES).

Power failure (during heating)

After a brief power failure, the operating functions that were set before the power failure, continues. If the power failure lasts longer, the stove goes to start phase if sufficient temperature or embers are present. If the power failure lasts too long, the stove goes into the stop phase. The flue gas fan continues to burn any pellet residues (approximately 10 minutes). Then it will restart automatically.

Power failure (during the initial stage)

After a brief power failure the boot process continues. If the power failure lasts longer, the stove is in the stop phase. The flue gas fan continues to burn any pellet residues (approximately 10 minutes). Then it will restart automatically.

5. INSTALLING THE STOVE

General information

Note
Only use heat-resistant sealing materials as well as corresponding sealing strips, heat-resistant silicon and rock wool.

Note
Assembly may only be performed by authorised specialist companies.

Note
Also take care that the flue does not project into the free cross-section of the chimney.

Note
Please observe the regional safety and building regulations. Please contact your master chimney sweep in this context.

Note
Your stove is intended for room-air independent operation. Thus the stove pipe connections must be tightly sealed permanently for this use. Use a heat-proof silicon to position the stove pipe on the conical supports of the flue tube nozzles and for insertion in the chimney flue lining.

Note
The stove should not be pushed on unprotected floors.

Tip
Strong corrugated cardboard, cardboard or e.g. old carpet is useful to assist assembly and as a base. The stove can also be pushed on this cardboard or carpet.

We recommend original flue pipes from RIKA for proper connection.

Connection to the chimney

- The device must be connected to an approved chimney for solid fuel. The chimney must have a diameter of min. 120mm.
- Avoid long flue pipes to the chimney. The horizontal length of the flue pipe should not exceed 1.5 m.
- Avoid to many bends of the flue gas pipes.
- There should not be more than 3 bends in the exhaust pipe.
- If you just can not connect directly to the chimney, please use a connection with a cleaning opening.
- Connections must be made of metal and must meet the requirements of the standard (install the connections airtight).
- Before installing a chimney calculation must be made. The evidence must be performed for single occupancy to EN13384-1 and EN13384-2 for multiple occupancy.
- The maximum draft of the chimney should not exceed 15Pa.
- The derivation of the flue gases must be guaranteed even during a temporary power outage.

Note
If connecting to multiple connection chimneys additional safety equipment is required. Your local chimney sweep will advise you in this case you.

Connecting to a steel chimney

The connection must be calculated and shown with EN13384-1 and EN13384-2.

Use only insulated (double) stainless steel tubes (flexible aluminum or steel tubes are not permitted).

An inspection door for regular inspection and cleaning must be present.

The flue pipe connection to the chimney has to be air-tight.

Combustion air

Every combustion process requires oxygen from the surrounding air. This so-called combustion air is removed from the living are in the case of individual stoves without external air connections.

This air removed must be replaced in the living space. Very tightly sealed windows and doors in modern flats may mean that too little air replaces that used. The situation also becomes problematical due to additional venting in flats (e.g. in the kitchen or WC). If you cannot feed in external combustion air, then air the room several times a day to prevent negativce pressure in the room or poor combustion

Note
Please note that problems may arise due to updrafts in the case of combustion air supply from an integrated chimney ventilation shaft. If the combustion air flowing downwards is heated it may rise and thus counter the chimney with a resistance which in turn reduces the negative pressure in the combustion chamber. The chimney manufacturer is to guarantee that the resistance for the combustion air is a maximum 2 Pa even in the least favourable operating state of the chimney

Feeding in external combustion air

only for devices which are able to run in romm-air independent operation.

- Combustion air must be fed to the stove from outside via a sealed pipe for operation independent of the room air. According to EnEV, it must be possible to shut off the combustion air pipe. The open/closed setting must be clearly recognisable.
- Cut the perforated right rear wall out with a hacksaw.
- Connect to the intake nozzle either a pipe Ø125mm (logs stove and combi stove) or Ø50mm (pellet stove) and fix this with a pipe clamp (not included in scope of supply!) On pellet stoves with longer connection pipes, the diameter should be enlarged to some Ø100mm after approx. 1m.
- To ensure sufficient air intake, the line should not be longer than 4m and should not have too many bends.
- If the line leads outside it must have a windbreak.
- In extreme cold pay attention to icing of the air intake opening (check).
- It is also possible to suction in combustion air directly from another sufficiently vented room (e.g. cellar).
- The combustion air pipe must be tightly connected (adhesive or cement) permanently to the air nozzles of the stove.
- If you do not use the stove for a long time, please close the combustion air intake to prevent the stove from moisture.

If one or more of these conditions does NOT apply, the result is poor combustion in the stove and negative pressure in the installation room.

6. ASSEMBLY/DISMANTLING STONE AND OPTIONS

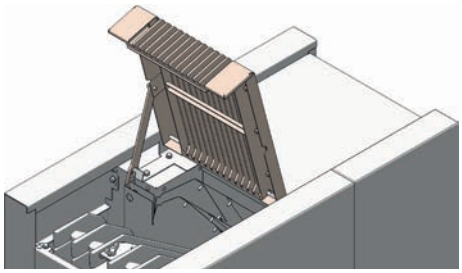
Note
Only work on the unit when the mains plug has been disconnected and the stove has cooled completely.

Note
During assembly / dismantling do not allow objects (screws etc.) to fall into the pellet container – they can block the screw conveyor and damage the stove.

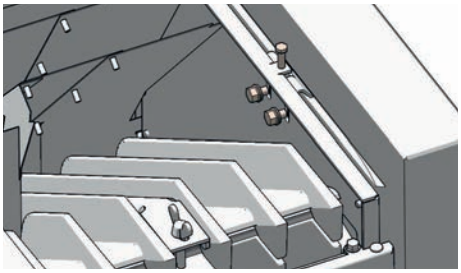
Note
During any conversion work, take particular care of your fingers and any panels and stove attachments.
Select soft bases to prevent scratches to your living space furniture and stove panels.

Dismantling stone

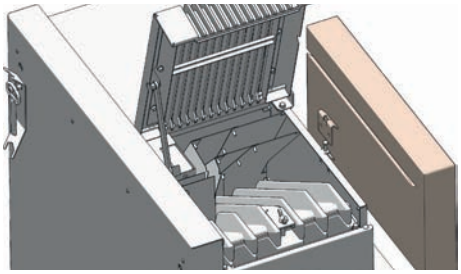
Open the convection cover so far that the cover securing mechanism locks into the designated retaining bracket.



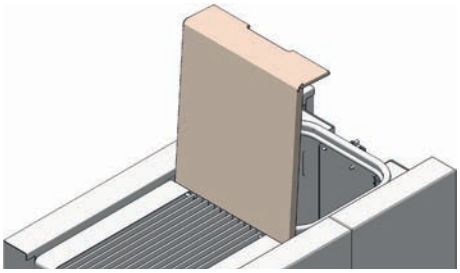
Loosen the three Allen screws, which are provided for mounting the stone bracke



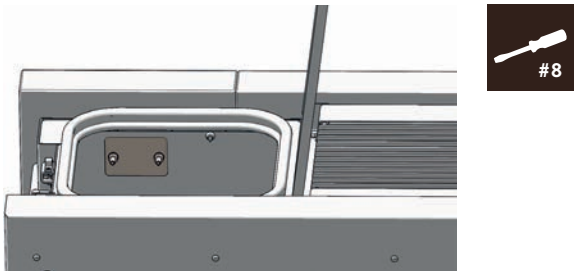
You can now move the stone bracket to the top, lift the stone covering and place it on a soft surface.



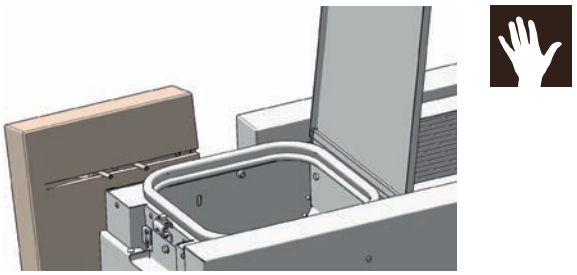
Open the container lid.



Loosen the two hex nuts in the container intended for fixing the stone bracket.



Now you can tip out the stone cladding including stone bracket and place it on a soft surface.

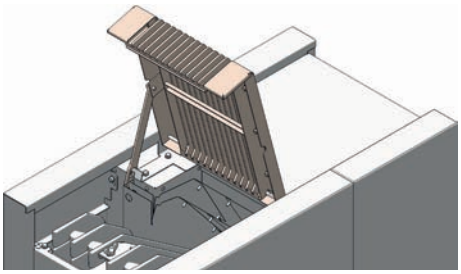


Re-assemble the parts in reverse order

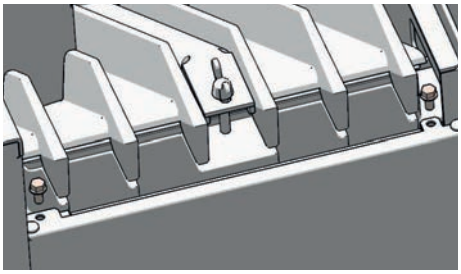
EN

Dismantling the left side trim

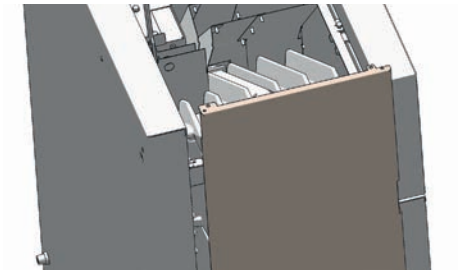
Open the convection cover so far that the cover securing mechanism locks into the designated retaining bracket.



Remove the two vertical hexagonal screws which are used to fasten the left side cover.



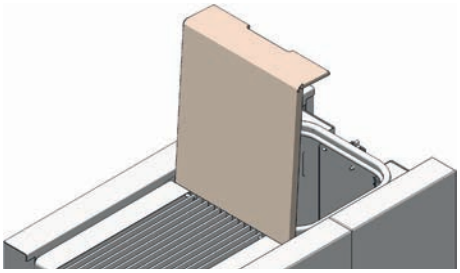
You can now lift the left side cover and place it on a soft surface.



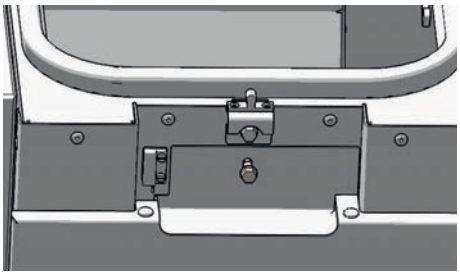
Re-assemble the parts in reverse order

Dismantling the right side trim

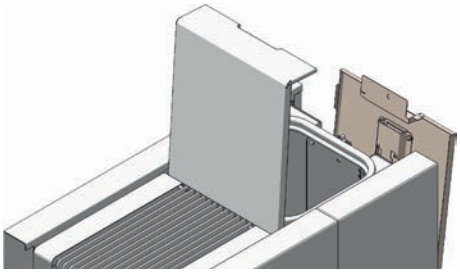
Open the container lid.



Remove the hex screw that is used to secure the side panel to the right.



You can now lift the side panel after disconnectting the internal control unit and place it on a soft surface.



Re-assemble the parts in reverse order

7. INTERNAL CONTROLS

The stove has a modern programmable microprocessor control. The individual unit functions can be preset by the user via the internal controls located in the right casing (keyboard with operating display).

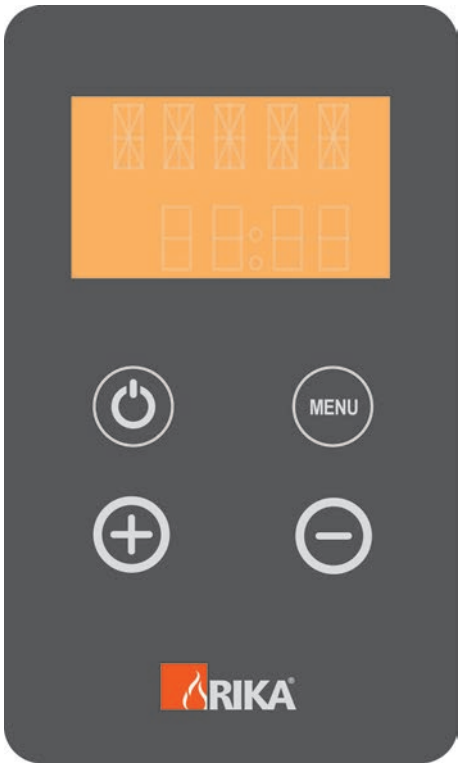
Basics

Note
Manipulation of hardware components may only be performed by trained specialist dealers and service. Incorrect handling of these parts leads to loss of warranty and guarantee claims!

Note
The unit may only be put into operation when assembled completely!

Operation

All settings and functions can be controlled via this unit.

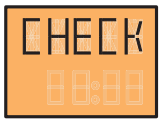


The display is illuminated when touched. After some seconds the display lighting turns off again.

EASY MODE – simple heating operation

Your stove is in simple heating mode EASY OFF when delivered in order to ease your start in the world of RIKA pellet stoves. The heat output of the stove can only be increased or reduced in 5 % increments in this mode. As soon as the stove is connected to the socket, the standard display EASY OFF appears. The message „CHECK“ appears in the display as soon as your pellet stove is connected to the power supply (even after a power failure). The display buttons are disabled for approx. 10 seconds as the stove conducts an initialisation of all components. When „CHECK“ disappears from the display the stove can be started up.

"CHECK" appears in the display whenever the stove ist re-supplied with power.



EASY OFF – inactive state

key	display	description
	EASY OFF	Standard display for stove switched off in simple heating mode.The output can also be regulated between 30% and 100% with the stove switched off (EASY 30 – EASY 100).
⊕	EASY 45	Pressing increases output by 5%
⊖	EASY 35	Pressing decreases output by 5%

Start – scavenge – tip – ignition

The pellet stove is started in the scavenging phase by pressing the ⏻ button. The scavenging phase lasts approx. 50 seconds and is used to eliminate any adverse draft conditions in a cold flue. The grate tips automatically during the scavenging process and any ash leftover from the previous combustion phase falls into the ash tray.

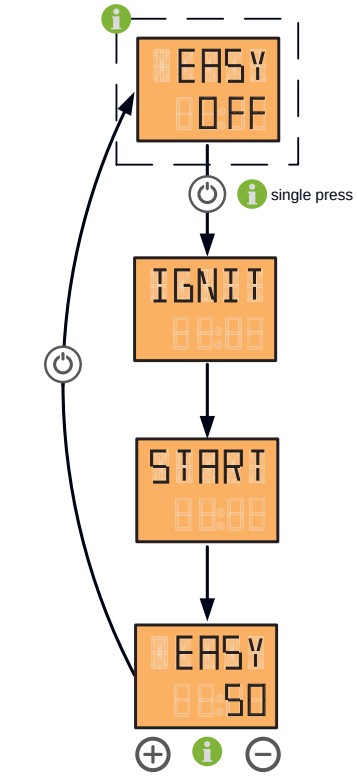
Depending on the fill level of the screw conveyor the ignition process can take approx. 5 to 30 minutes until the first flame is visible.

If the first ignition attempt is unsuccessful, further ignition attempts will be initiated automatically. This may occur if the screw conveyor is not completely full during the ignition process (e.g. first start after refilling empty container).

Note
In the event of a false start remove any unburnt pellets and ash from the combustion cavity. Never replace unburned pellets from the fire pot in the supply container.

FIRE HAZARD DUE TO RESIDUAL EMBERS

key	display	description
	EASY OFF	
	IGNIT	Pressing ⏻ starts the unit.
⏻	START	This is shown by IGNITE in the display; this is replaced by START after a brief time.
	EASY 35	EASY xx appears in the display after the start phase (xx stands for a value between 30% and 100%, depending on output)



to change the power setting
press „+“ or „-“ keay (the setting will be changed in 5% steps

Stopping during ignit or startphase

If switching off occurs again 50 sec. within switching on (⏻-key) (at least 2 sec. ⏻ -key), the pellet stove returns to inactive status.

If switching off occurs during the ignition process (IGNIT or START) (at least 2 sec. ⏻ -key), IGNIT OFF or START OFF appears in the display and the burn-out phase is initiated. The pellet support stops - the flue gas fan continues to burn any pellet residues (approximately 10 minutes). The stove changes to EASY OFF.

EASY 40 – operation

key	display	description
	EASY 40	Standard display for stove switched on in simple heating mode. (40 is the output in %)
⊕	EASY 45	Pressing increases output by 5%
⊖	EASY 40	Pressing decreases output by 5%

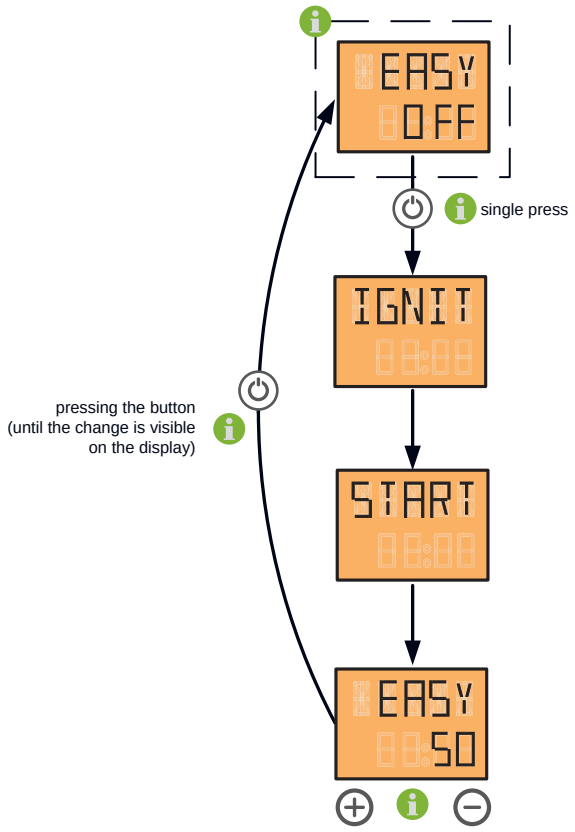
Cleaning and tipping during operation

The automatic cleaning process is conducted every hour for approx. 2 minutes. During this phase the air vents that are necessary for combustion are blown clean.

The pellet stove enters the burnout phase every 7 hours. A tipping process is conducted automatically. The start-up phase is automatically re-initiated after completion of the burnout phase and operation continues

EASY 40 – switch off

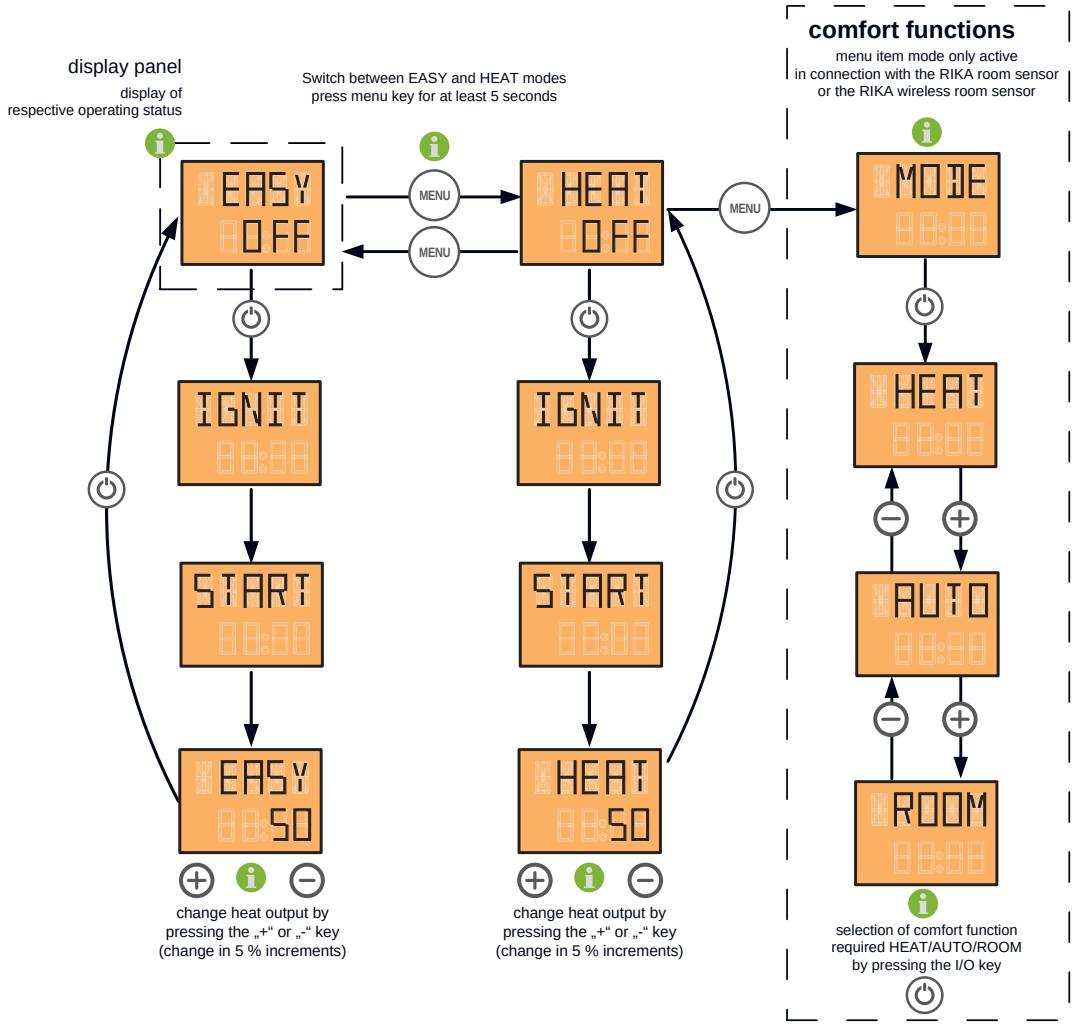
key	display	description
⏻	STOP EASY OFF	The burnout phase is initiated by pressing for at least 2 seconds (until the change is visible on the display). The pellet support stops - the flue gas fan continues to burn any pellet residues (approximately 10 minutes). The stove changes to EASY OFF.



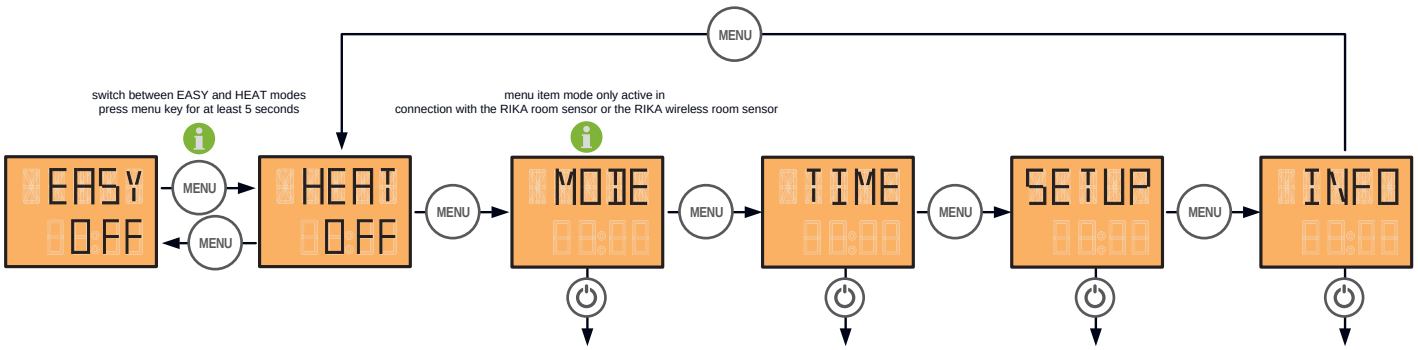
change power setting by
pressing the „+“ or „-“ key
(change in 5 % increments)

Extended heating operation – HEAT MODE – comfort funktions

In addition to the basic functions of simple heating operation, the RIKA pellet stove provides extra comfort functions. However, before you can use the comfort functions such as frost protection, installation of an external room thermostat, regulation of the stove mobile telephone, child safety device, you have to change from simple hating to comfort mode.



key	display	description
	EASY OFF	Standard display for stove switched off in simple heating mode.
MENU		Pressing for at least 5 seconds changes to HEAT mode. The change is also shown in the display as confirmation.
	HEAT OFF	Standard display for stove switched off in extended heating mode. (comfort functions can now be selected)
MENU		Pressing once changes to display MODE
	MODE	You can select one of three possible stove comfort functions. (the menu item Mode is only active in connection with the RIKA room sensor or the RIKA wireless room sensor active).
⏻		Pressing once takes you to the comfort function selection and you can change between the individual comfort functions using keys ⊕ and ⊖.
⏻	HEAT AUTO ROOM	Pressing again confirms the comfort function currently visible HEAT, AUTO or ROOM.

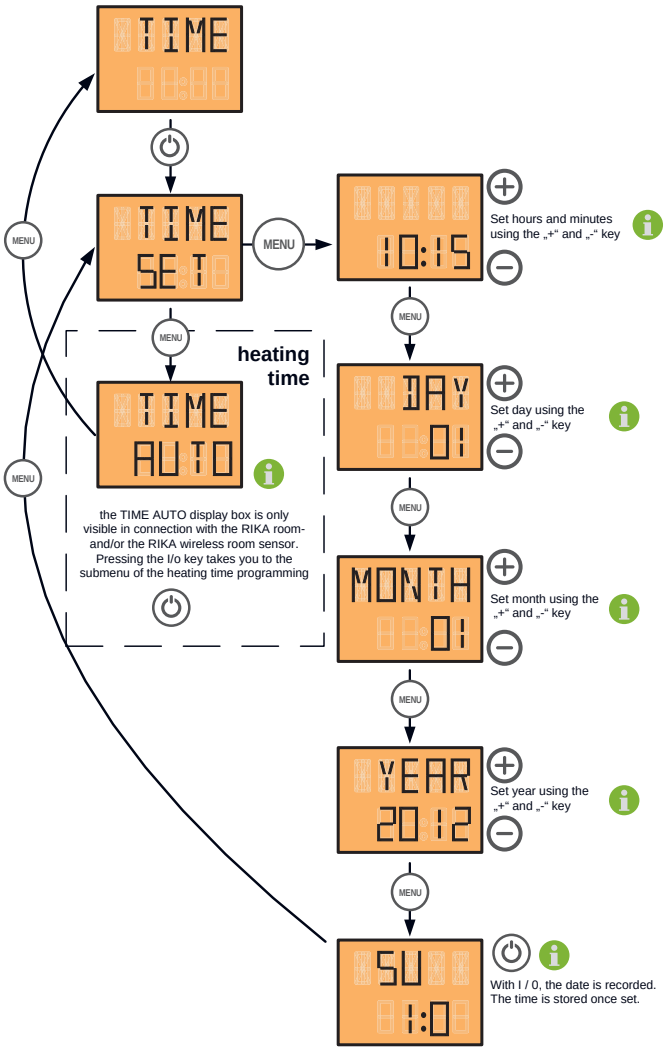


key	display	description
	EASY OFF	Standard display for stove switched off in simple heating mode.
MENU		Pressing for at least 5 seconds changes to HEAT mode. The change is also shown in the display as confirmation.
	HEAT OFF	Standard display for stove switched off in extended heating mode.
MENU		Pressing once changes to display MODE
	MODE	You can select one of three possible stove comfort functions. (The menu item Mode is only active in connection with the GSM option, the RIKA room sensor and/or the RIKA wireless room sensor active, also see “Extended heating operation – comfort functions”).
MENU		Pressing once changes to display TIME
	TIME	Setting regarding the time are made here. (Heating time is only available with RIKA room sensor or RIKA wireless room sensor).
MENU		Pressing once changes to display SETUP
	SETUP	All the additional functions can be regulated here.
MENU		Pressing once changes to display INFO
	INFO	Access to information menu, various system parameters, temperatures and operating information can be called up here.
MENU		Pressing once changes to display HEAT OFF
	HEAT OFF	Standard display for stove switched off in extended heating mode.
MENU		Pressing for at least 5 seconds changes to EASY mode. The change is also shown in the display as confirmation.
	EASY OFF	Standard display for stove switched off in simple heating mode.

Pressing ⏻ once on the respective main menu items MODE, TIME, SETUP and INFO selects the submenu items.

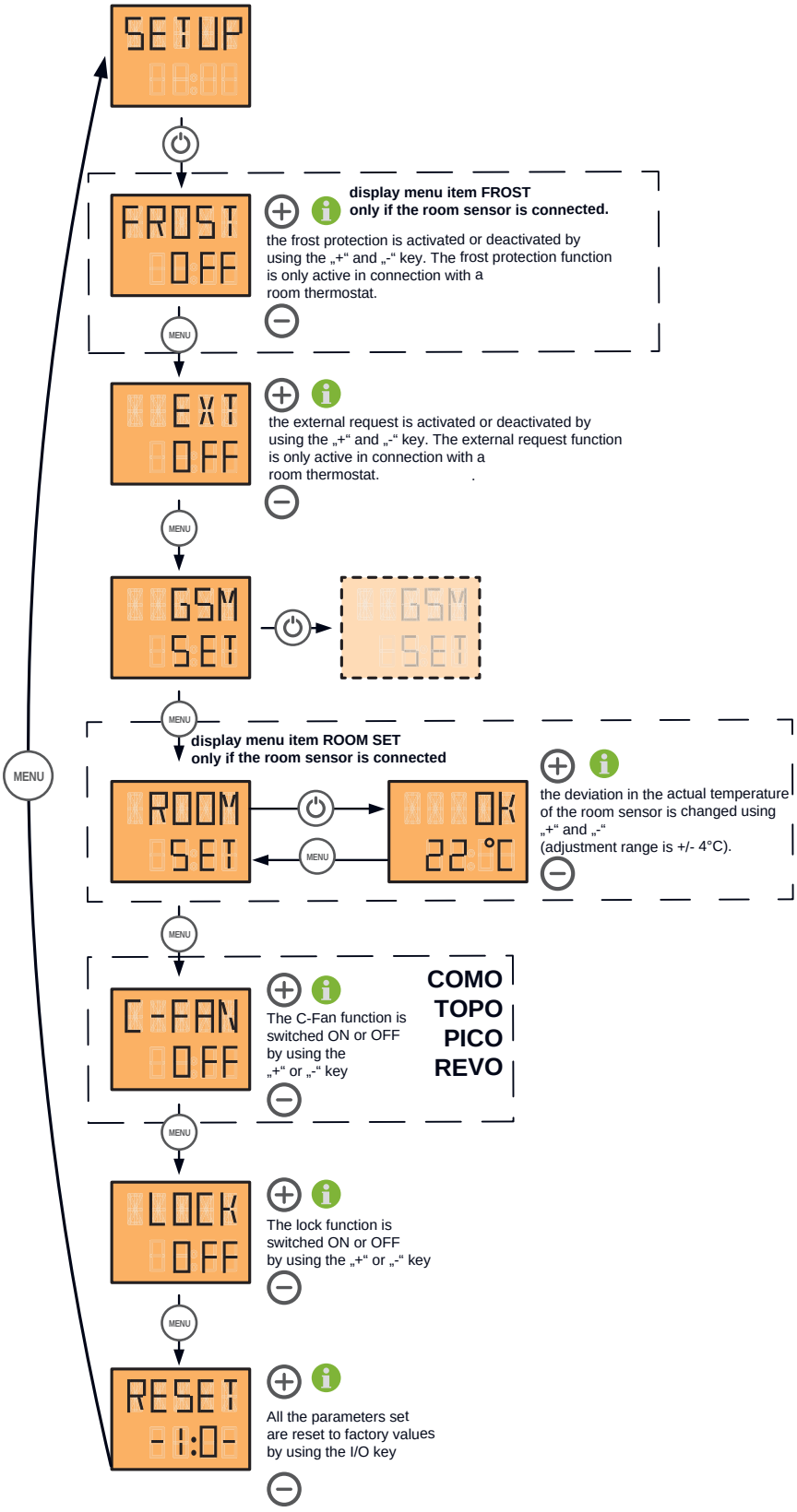
The individual main menu items TIME, SETUP and INFO are explained in more detail on the next pages.

The menu navigation described above remains the same during operation. The respective heat output set is shown in the display instead of EASY OFF or HEAT OFF. For example EASY 30 or HEAT 30

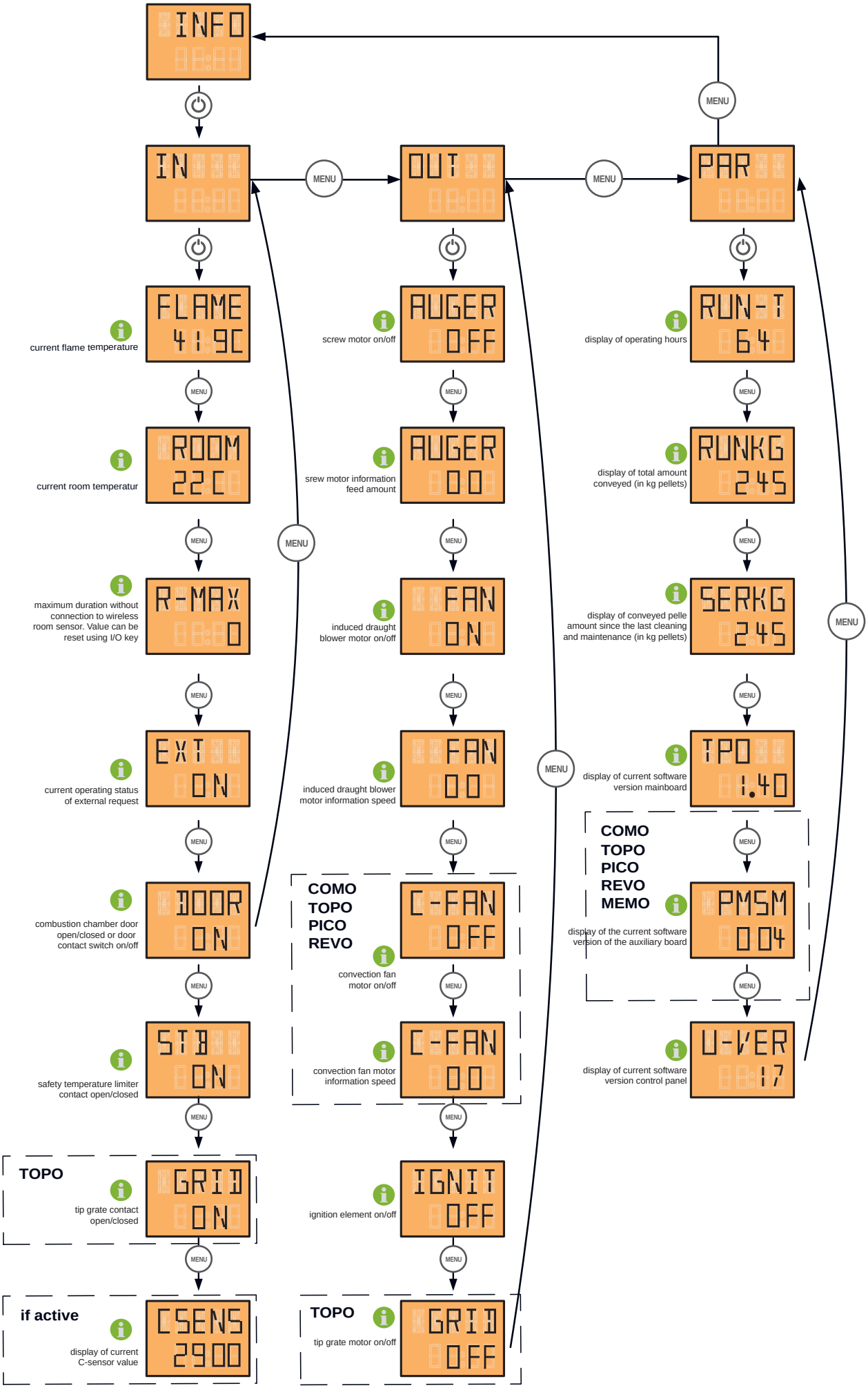


key	display	description
	TIME	Display to enter the control level for time adjustment.
⏻	TIME SET	All the settings concerning time, date and heating time (optional) are made here.
⏻	00:00	Setting the time. Hour display is changed using ⊕, minute display using ⊖.
MENU	DAY 01	Setting the day. Display is changed using ⊕ and ⊖.
MENU	MONTH 01	Setting the month. Display is changed using ⊕ and ⊖.
MENU	YEAR 2012	Setting the year. Display is changed using ⊕ and ⊖.
MENU	SU 1:0	The actual day is shown in the display as confirmation.
MENU	TIME SET	Back to TIME SET.
MENU	(TIME AUTO)	(Setting the heating times. The menu item TIME AUTO only appears in connection with the RIKA room sensor and the RIKA wireless room sensor). (Please see the operating instruction enclosed for the option for setting the heating times).
MENU	TIME	Back to TIME.
MENU		Repeated pressing returns you to the main menu level.

Note
Summer- and wintertime is not changed automatically


SETUP
FROST
OFF
display menu item FROST
only if the room sensor is connected.
the frost protection is activated or deactivated by using the „+“ and „-“ key. The frost protection function is only active in connection with a room thermostat.
MENU
EXT
OFF
the external request is activated or deactivated by using the „+“ and „-“ key. The external request function is only active in connection with a room thermostat.
GSM
SET
display menu item ROOM SET
only if the room sensor is connected
ROOM
SET
OK
22.0°C
the deviation in the actual temperature of the room sensor is changed using „+“ and „-“
(adjustment range is +/- 4°C).
C-FAN
OFF
The C-Fan function is switched ON or OFF by using the „+“ or „-“ key
COMO
TOPO
PICO
REVO
LOCK
OFF
The lock function is switched ON or OFF by using the „+“ or „-“ key
RESET
-I:O-
All the parameters set are reset to factory values by using the I/O key

key	display	description
	SETUP	Display to enter the control level for additional functions. You can change between the operating status On (active) and OFF (inactive).
⏻	FROST OFF	Display of operating status of additional function FROST, frost protection (only in connection with RIKA room sensor and RIKA wireless room sensor). Using ⊕ and ⊖ you can switch between FROST OFF (inactive) and FROST ON (active). Frost protecion is only active in combination with the comfortfunctions HEAT OFF, ROOM OFF and AUTO OFF. Starting temperature 8°C, stopping temperature 13°C
MENU	EXT OFF	Display of operating status of additional function EXT external unit such as e.g. a customary room thermostat (see Comfort function – external room thermostat for more information). Using ⊕ and ⊖ you can switch between EXT OFF (inactive) and EXT ON (active)..
MENU	GSM SET	All settings concerning Telephone option – GSM are made here. Pressing ⏻ takes you to the submenu of Telephone option – GSM. Please see the operating instructions accompanying the Telephone option – GSM for settings.
MENU	ROOM SET	The room temperature displayed may deviate from the actual temperature and therefore the sensor may be calibrated by +/- 4°C. Thus the actual temperature of the room sensor can be adjusted e.g. to the house thermometer.
MENU	C-FAN OFF	Display of the operating status of the optional cross-flow fan. You can switch between C-FAN OFF (inactive) and C-FAN ON (active) by pressing ⊕ and ⊖ .
MENU	LOCK OFF	Display of operating status of additional function LOCK child safety device (key lock). Using ⊕ and ⊖ you can switch between LOCK OFF (inactive) and LOCK ON (active). To lock the keyboard with active child protection device (LOCK ON), press ⊕ and ⊖ at the same time for at least 5 seconds in the standard mode EASY or HEAT. LOCK appears in the display as confirmation. To unlock the keyboard again press ⊕ and ⊖ at the same time for at least 5 seconds. LOCK OFF appears in the display as confirmation.
MENU	RESET - 1:0 -	Any settings changed can be reset to the delivery status here. Pressing ⏻ resets the stove to the factory settings.
MENU	SETUP	Display to enter the control level for additional functions. You can change between the operating status On (active) and OFF (inactive).
MENU		Repeated pressing returns you to the main menu level.


INFO
IN
MENU
OUT
MENU
PAR
FLAME 41 9C
current flame temperature
ROOM 22 C
current room temperatur
R-MAX 0 80
maximum duration without connection to wireless room sensor. Value can be reset using I/O key
EXT ON
current operating status of external request
DOOR ON
combustion chamber door open/closed or door contact switch on/off
STB ON
safety temperature limiter contact open/closed
TOPO
GRID ON
tip grate contact open/closed
if active
CSENS 2900
display of current C-sensor value
AUGER OFF
screw motor on/off
AUGER 00
srew motor information feed amount
FAN ON
induced draught blower motor on/off
FAN 00
induced draught blower motor information speed
COMO TOPO PICO REVO
C-FAN OFF
convection fan motor on/off
C-FAN 00
convection fan motor information speed
IGNIT OFF
ignition element on/off
TOPO
GRID OFF
tip grate motor on/off
RUN-T 64
display of operating hours
RUNKG 245
display of total amount conveyed (in kg pellets)
SERKG 245
display of conveyed pelle amount since the last cleaning and maintenance (in kg pellets)
TPO 1.40
display of current software version mainboard
COMO TOPO PICO REVO MEMO
PMSM 004
display of the current software version of the auxiliary board
U-VER 17
display of current software version control panel

key	display	description
	INFO	Access to information menu, various system statuses, temperatures and operating information can be called up here.
⏻	IN	INFORMATION INPUTS
⏻	FLAME 319	Display of current flame temperature.
MENU	ROOM 22	Display of current room temperature.
MENU	R-MAX	Display menu maximum duration without connection to wireless room sensor
MENU	EXTON	Display of status of external release. (ON or OFF)
MENU	DOOR ON	Display of the status of door contact. (ON or OFF)
MENU	STB ON	Display of the status of safety temperature limiter. (ON or OFF)
MENU	GRID ON	Status display for the mudhole door contact (ON or OFF)
MENU	CSENS	Display of the current C-sensor value
MENU	IN	INFORMATION INPUTS
MENU	OUT	INFORMATION OUTPUTS
⏻	AUGER OFF	Display of operating status of screw motor. (ON or OFF)
MENU	AUGER 00	Display of actual push-in rate.
MENU	FAN ON	Display of operating status of flue gas blower. (ON or OFF)
MENU	FAN 00	Display of speed of flue gas blower.
MENU	C-FAN OFF	Display of the operating status of the optional cross-flow fan. (ON or OFF)
MENU	C-FAN 00	Display of the speed of the cross-flow fan.
MENU	IGNIT OFF	Display of operating status of ignition element. (ON or OFF)
MENU	GRID OFF	Display of the operating status of the mudhole door motor. (ON or OFF)
MENU	OUT	INFORMATION OUTPUTS
MENU	PAR	INFORMATION PARAMETER
⏻	RUN - T 63	Display of previous total operating hours.
MENU	RUNKG 245	Display of total pellet amount supplied up to present.
MENU	SERKG 245	Display of conveyed pellet amount since the last cleaning and maintenance.
MENU	TPO 0124	Display of current software version loaded on control board. (Scrolling text)
MENU	PMSM-VER 003	Display of the current software version of the auxiliary board. (Scrolling text)
MENU	U-VER 13	Display of current software version loaded on control unit.
MENU	TEL S 12	Coding software
MENU	TEL H 1024	Coding hardware
MENU	PAR	Repeated pressing returns you to the main menu level.

8. COMFORT OPTIONS

We would point out that auxiliary units may only be connected to the RIKA interface connection and external connection socket by authorised specialists.

RIKA room sensor/RIKA radio room sensor

This option permits control of your stove via room temperature. You can set both the room temperature and the heating times required. A room temperature selected by you is observed during the heating times.

Please see the operating instructions for the option RIKA room sensor and wireless room sensor for more detailed information.

RIKA phone option – GSM

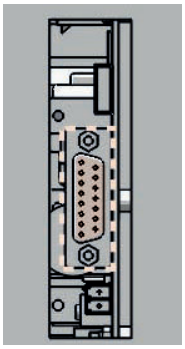
Your stove can also be controlled via a mobile phone as an additional option.

Please see the operating instructions for the telephone option – GSM for more detailed information.

RIKA interface for various options

for various options

The RIKA ROOM SENSOR, the RIKA WIRELESS ROOM SENSOR and the RIKA PHONE OPTION – GSM are to be connected to the interface (stove rear) using the connection cable supplied.

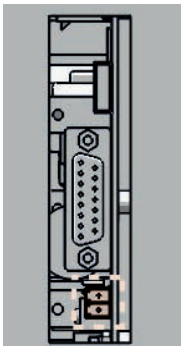


External room thermostat

Your stove has an interface on the rear wall to which you can connect a customary room thermostat. This requires a 2-pole cable of 0.5 – 0.75 mm² cross-section that you have to connect instead of the cable bridge fitted for delivery

External connection cable bridge

(condition as delivered)



The stove settings in the menu item Setup are to be checked to ensure the function of the room thermostat. The external unit must be set to EXT ON (active) as described above.

This function enables you to deactivate a connected room thermostat (setting EXT OFF).

All further settings required to your thermostat can be taken from the room thermostat operating instructions.

The connected room thermostat must be operated in the HEAT menu. You can select the heat output you wish for the room temperature selected.

If an external demand for stopping the pellet stove occurs, it takes about 5 minutes until the pellet stove switches to burn out phase.

Note
Operation is not possible unless either a cable bridge or an external room thermostat is connected. The external demand has priority over all operating modes (EASY/HEAT/AUTOMATIC/ROOM).

9. MODES

Note
When operated correctly, your stove can not overheat. Improper operation may shorten the life expectancy of electrical components (blowers, motors and electric control) and is not allowed!

Pellet operation Heat/Easy/Automatic/Room

HEAT/EASY
The pellet burner start and stop as well as the setting of the required heat output are executed directly in the HOME – main menu.

AUTOMATIC MODE
The change between standby operation and neutral as well as the setting of the required heat output are executed via the display in the HOME – main menu.

The pellet burner starts in standby mode within the heating times when the actual room temperature is below the set room temperature, or outside of the heating times when the actual room temperature is below the set room temperature.

When achieving the set room temperature, the pellet burner stops.

Stove start is not possible in neutral status (OFF), the system is switched off.

ROOM MODE
The change between standby operation and neutral as well as the setting of the required heat output are executed via the display in the HOME – main menu.

The pellet burner starts in standby mode if the actual room temperature is below the set room temperature.

When achieving the set room temperature, the pellet burner stops.

Stove start is not possible in neutral status (OFF), the system is switched off.

Fuel addition pellet operation

Note
CAUTION when filling! Do not allow the pellet sack to come into contact with the hot stove. Immediately remove any pellets that have not entered the supply container!

We recommend maintaining an appropriate level in the supply container to prevent the fire going out due to lack of fuel. A 15 kg sack of pellets can be added to the stove once half the pellets in the container have been used up. Check the level frequently. However the container lid should be kept closed, except during filling.

When filling the container during operation (opening of the container lid), the fan is started up and the pellet conveyor is stopped; operation is only resumed once the container lid is closed (see WARNING AND ERROR MESSAGES)

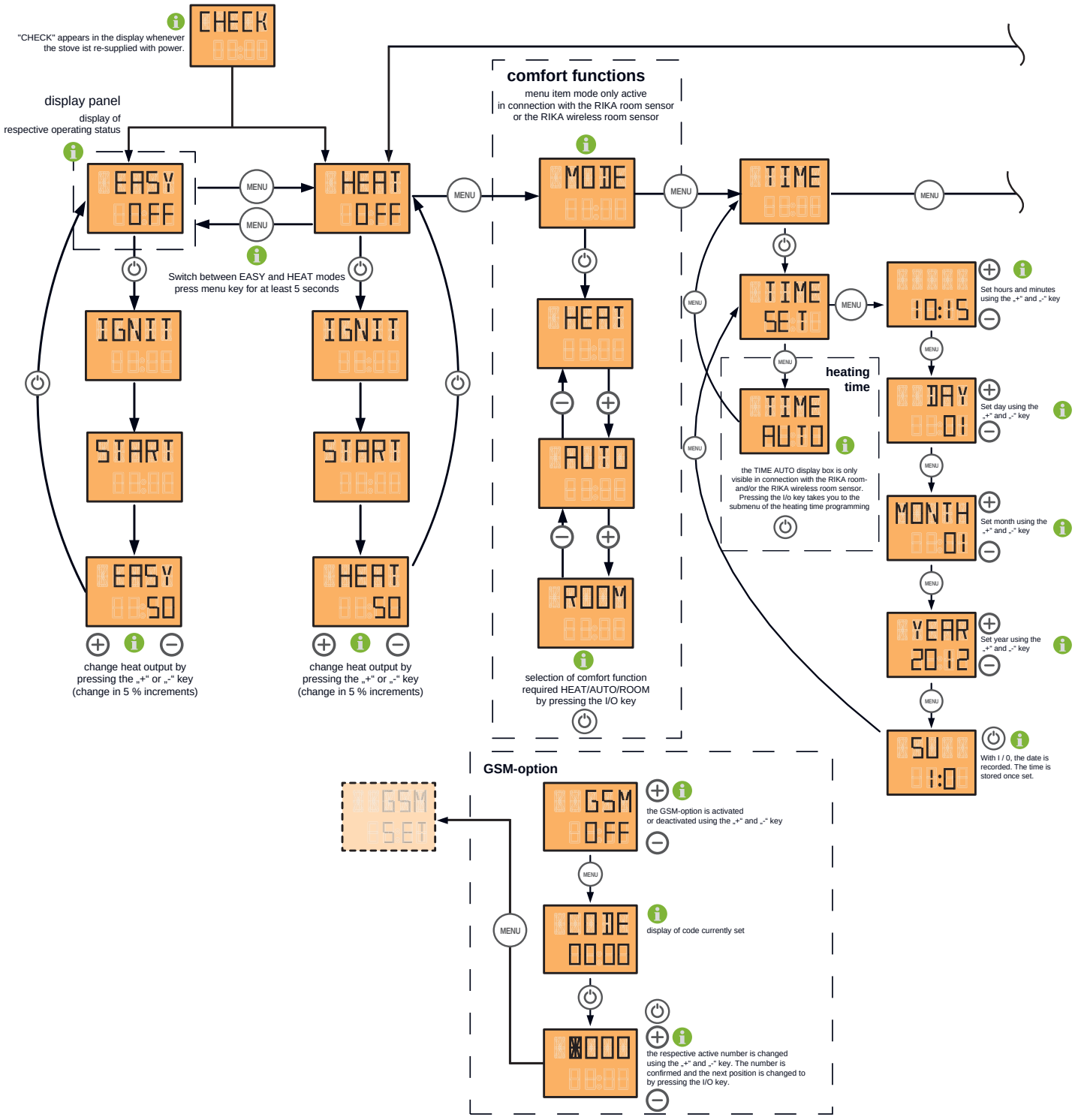
Pellet container capacity (see TECHNICAL DATA).

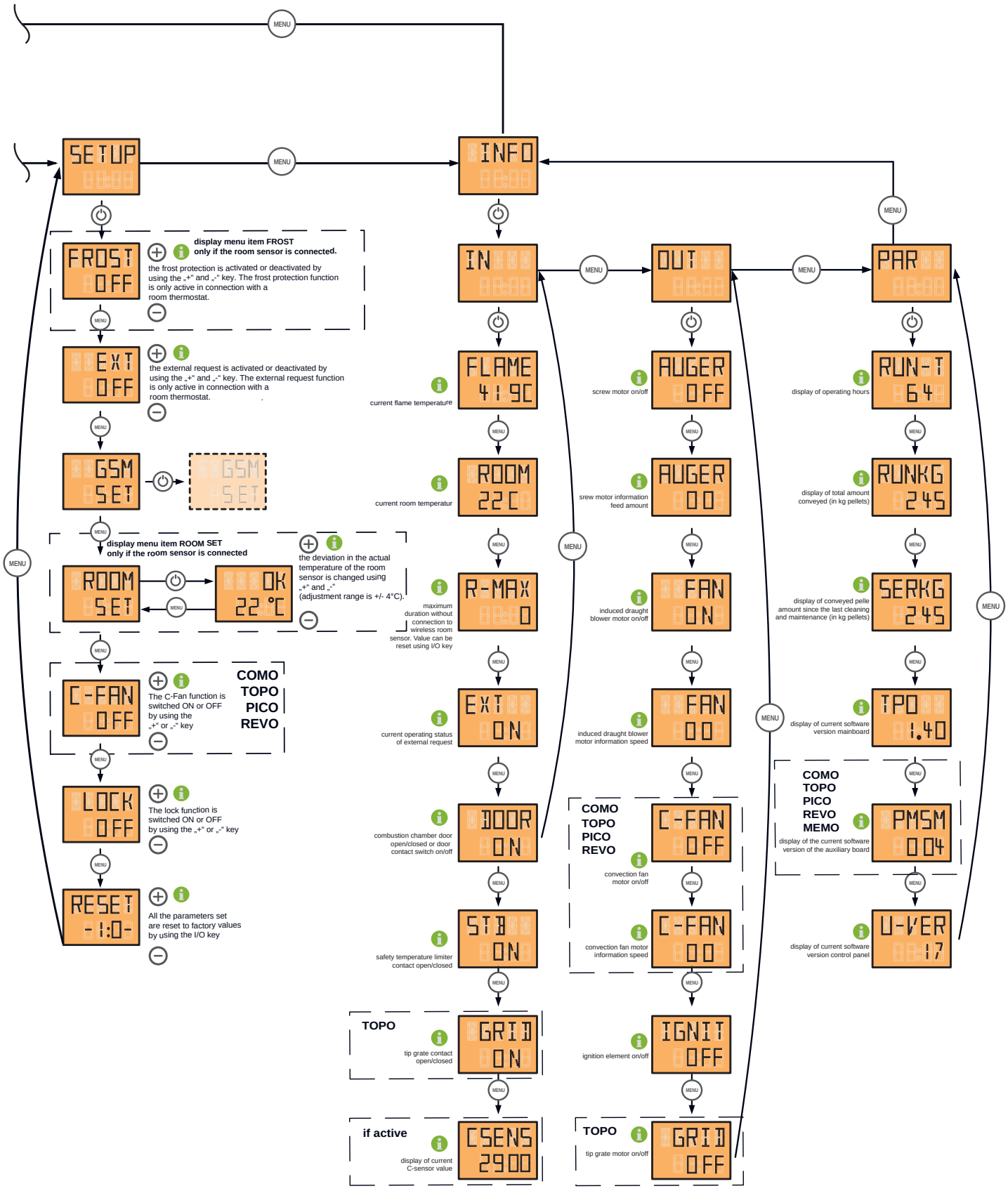
Emergency – electrical heating up. without ignition

Should the units ignition cartridge fail, an emergency operation can be performed with using fire (ignition cubes). First, start the oven as usual. Wait for the flushing and the tilting of the grate. Then you open the firebox door and give a handful of pellets with the ignition cubes in the clean burning trough, ignite it and then close the firebox door.

Note
Do not use flammable liquids to ignit the stove!

10. MENU OVERVIEW




MENU
SETUP
INFO
FROST OFF
display menu item FROST only if the room sensor is connected.
the frost protection is activated or deactivated by using the „+" and „-" key. The frost protection function is only active in connection with a room thermostat.
EXT OFF
the external request is activated or deactivated by using the „+" and „-" key. The external request function is only active in connection with a room thermostat.
GSM SET
display menu item ROOM SET only if the room sensor is connected
ROOM SET
OK 22 °C
the deviation in the actual temperature of the room sensor is changed using „+" and „-" (adjustment range is +/- 4°C).
C-FAN OFF
The C-Fan function is switched ON or OFF by using the „+" or „-" key
COMO TOPO PICO REVO
LOCK OFF
The lock function is switched ON or OFF by using the „+" or „-" key
RESET -1:0-
All the parameters set are reset to factory values by using the I/O key
IN
FLAME 419C
current flame temperature
ROOM 22C
current room temperatur
R-MAX 0
maximum duration without connection to wireless room sensor. Value can be reset using I/O key
EXT ON
current operating status of external request
DOOR ON
combustion chamber door open/closed or door contact switch on/off
STB ON
safety temperature limiter contact open/closed
TOPO
GRID ON
tip grate contact open/closed
if active
CSENS 2900
display of current C-sensor value
OUT
AUGER OFF
screw motor on/off
AUGER 00
srew motor information feed amount
FAN ON
induced draught blower motor on/off
FAN 00
induced draught blower motor information speed
COMO TOPO PICO REVO
C-FAN OFF
convection fan motor on/off
C-FAN 00
convection fan motor information speed
IGNIT OFF
ignition element on/off
TOPO
GRID OFF
tip grate motor on/off
PAR
RUN-T 64
display of operating hours
RUNKG 245
display of total amount conveyed (in kg pellets)
SERKG 245
display of conveyed pelle amount since the last cleaning and maintenance (in kg pellets)
TPO 1.40
display of current software version mainboard
COMO TOPO PICO REVO MEMO
PMSM 004
display of the current software version of the auxiliary board
U-VER 17
display of current software version control panel

11. WARNINGS AND ERROR MESSAGES

If a malfunction occurs, the main menu is switched to and the malfunction is displayed in marquee. The malfunction is acknowledged by pressing ⏻ for at least 2 seconds.

The button must be depressed until the change in the operating status appears on the display.

Note
If error messages recur directly, customer service is to be notified immediately. In the case of error messages that pose a safety risk, burnback and flue gas flap is activated and the stove is automatically switched off

Display	Malfunction designation	Cause / remedy
STB >I/O<	Safety temperature limiter is activated	Establish cause of activation; eliminate this and reset using reset button directly at STB. The error message must then also be acknowledged. Only with cooled stove.
NO PELLETS >I/O<	No pellets in container	May also occur on first start (first filling). Check whether there are sufficient pellets in the container and re-start unit after acknowledging malfunction. - Screw conveyor blocked - Flame sensor sleeve dirty - Chimney draught too great
FAN DEFECT >I/O<	Flue gas blower defective	Acknowledge the error message.
FLAME SENSOR DEFECT >I/O<	Flame sensor defective	Acknowledge the error message.
ROOM SENSOR SIGNAL LOST >I/O<	Rika room sensor reception defective	Transmission between the transmitter and receiver has been lost. If the error message appears again immediately after re-starting the device, it means either the battery is flat or the component is defective.
SERVICE >I/O<	Pellet amount for cleaning and maintenance exceeded	Acknowledge the message and perform cleaning or maintenance procedures (see CLEANING AND MAINTENANCE) durchführen.
CALL SERVICE MOTOR	Pellet backlog	Overfilling of the combustion cavity with a subsequent backlog of pellets in the drop chute has been detected. The error message can be acknowledged by pressing the MENU and ⊖ button simultaneously (held until the error message disappears).
DOOR OPEN >I/O<	Door open	Check to make sure the door is closed and that the door contact switch engages. (The DOOR OPEN message doesn't need to be acknowledged; the display will disappear when the door is closed.)
AUGER-PMSM DEFECT >I/O<	Screw motor defective	Acknowledge the error message.

12. CLEANING AND MAINTENANCE

Basic information

Note
Your stove must be switched off and cooled before any maintenance work is performed. Ensure that you do not vacuum into the combustion air line during heating operation during any cleaning (vacuuming). You could vacuum out embers – FIRE RISK!

Note
SERVICE appears in the display after consumption of 700 kg pellets. Cleaning and maintenance is to be performed.
This message can be acknowledged by pressing ENTER and operation can be continued. The number of SERVICE messages is stored in the background.

Note
Only work on the unit when the mains plug has been disconnected.

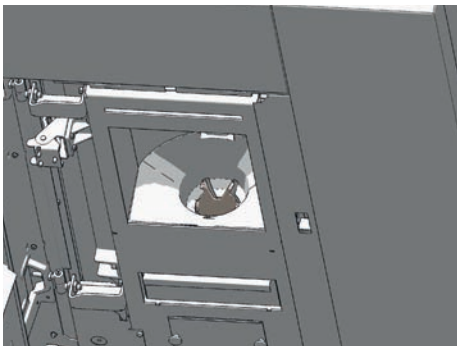
The frequency with which the stove requires cleaning and the maintenance intervals depend on the fuel you use. High moisture content, ash, dust and chips may more than double the maintenance required. We would like to again point out that only tested and recommended pellets or logs may be used as fuel.

Tip
wood as fertiliser - The mineral content of the wood remains in the combustion chamber as ash as a residue of the combustion. This is an excellent fertiliser for all plants in the garden; it is a completely natural product. The ash should be stored first and extinguished with water.

Note
Ash may contain embers – only place ash in sheet steel containers.

Cleaning the fire trough

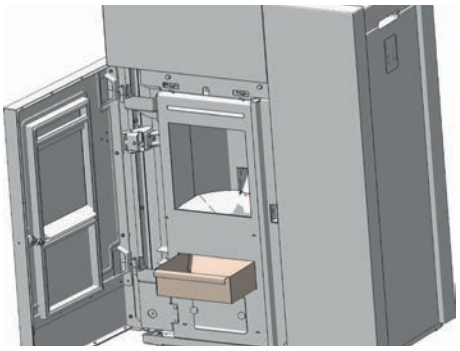
Despite the automatic ash dumping prior to and during heating operation, care should be taken that the air intake openings are not blocked with ash or clinker. Remove the clinker using the wire brush supplied and vacuum out the fire trough.



Note
Clean the fire trough regularly. Only clean when cold, when embers are extinguished!

Ampty the ash drawer

Empty the ash drawer regularly. The ash drawer is simply pulled forward with the combustion chamber door open



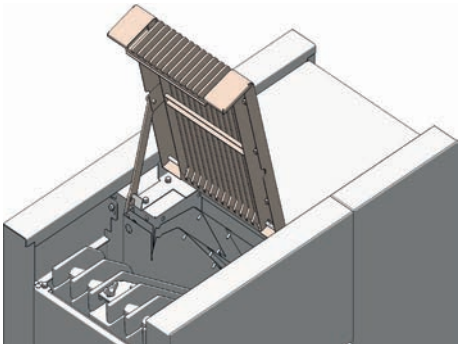
Cleaning the door glass

The viewing window becomes coated in the case of solid fuels, particularly with the very fine ash of wood pellets, light or dark depending on the pellet quality (especially with low output). The glass can be cleaned best with a moist cloth. Stubborn dirt can be removed with a special cleaner available from your stove dealer.

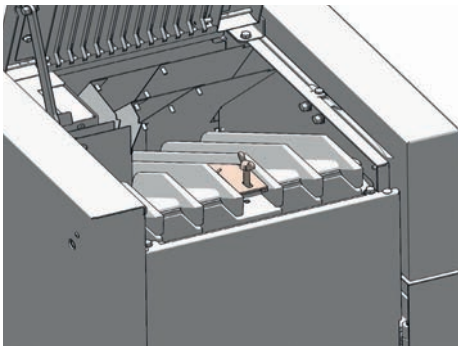
Cleaning flue pipes

The flue pipes should be cleaned at least 2 x a year or after approx. 700 kg pellets. The flues are behind the combustion chamber.

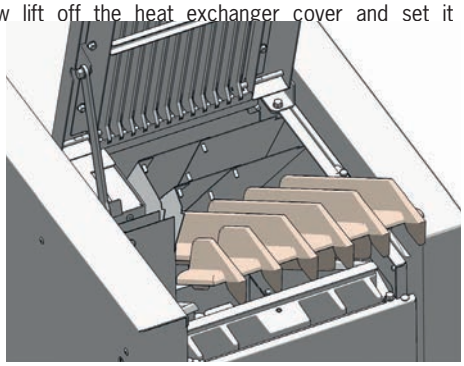
Open the convection cover so far that the cover securing mechanism locks into the designated retaining bracket.



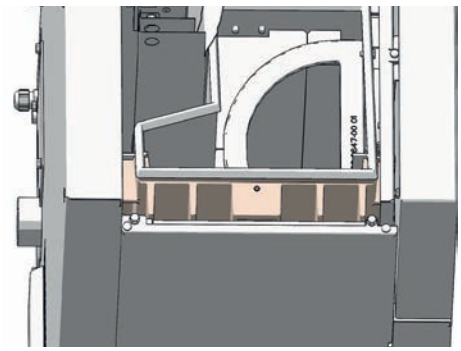
Undo the wing nut and remove the bracket that secures the cover of the heat exchanger.



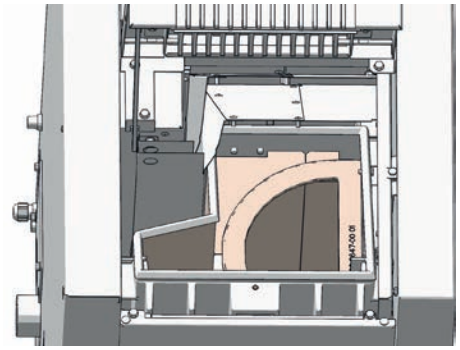
You can now lift off the heat exchanger cover and set it to one side.



Now clean the flue gas outlets on the combustion chamber side using the soot brush.



Vacuum the exposed interior space and the side apertures free of any contamination.



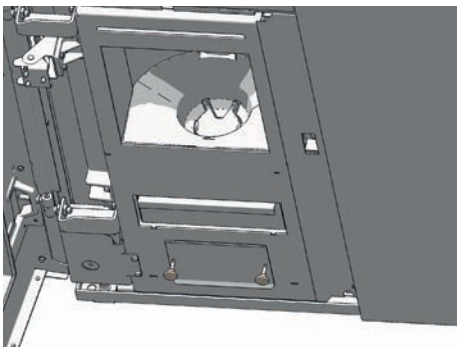
Re-assembly the parts removed in reverse order.

Cleaning flue main duct

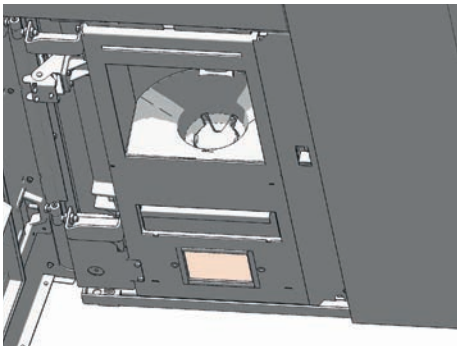
The flue main duct should be cleaned at least 2 x a year or after approx. 700 kg pellets. The flue main duct is located in the lower section of the combustion chamber

the combustion chamber door

Undo the two knurled screws and remove the cleaning opening.



Vacuum the combustion residues from the flue gas collection duct. Vacuum also to the left rear side.



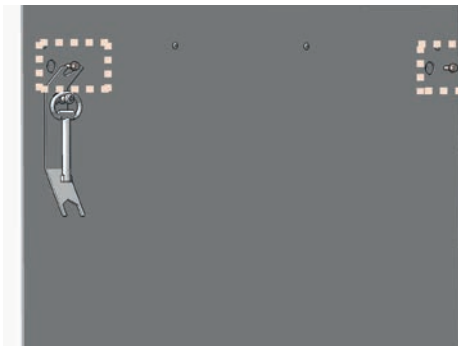
Re-assembly the parts removed in reverse order.

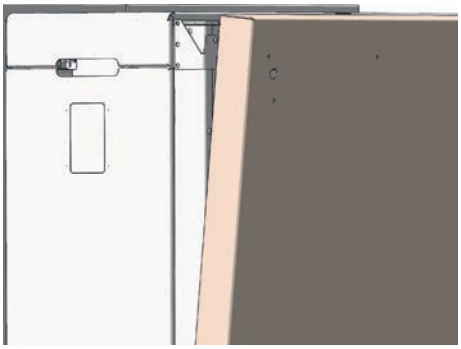
Note
Your stove may suck in false air via incorrectly sealed cleaning covers; this air may lead to incomplete combustion in the fire trough and thus piling up of pellets. Replace defective (porous, frayed) seals after cleaning and maintenance in order to a properly function of your pellet stove forever.

Cleaning the flue blower casing

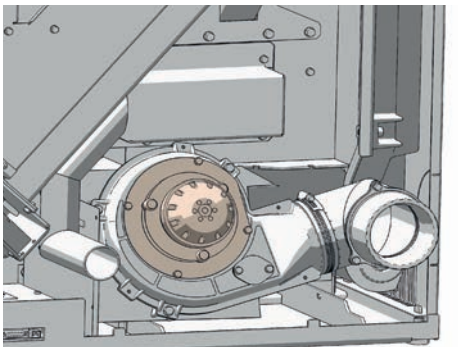
The flue blower should be cleaned at least 2 x a year or after approx. 700 kg pellets.

The rear panel is to be removed for inspecting and cleaning the flue gas fanCleaning the flame temperature sensor

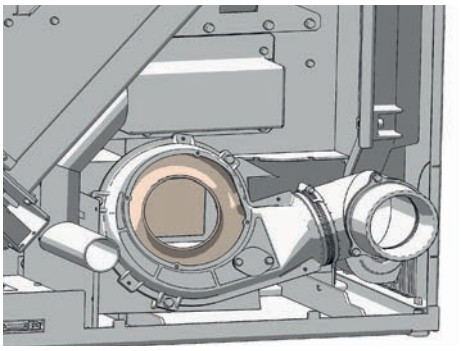




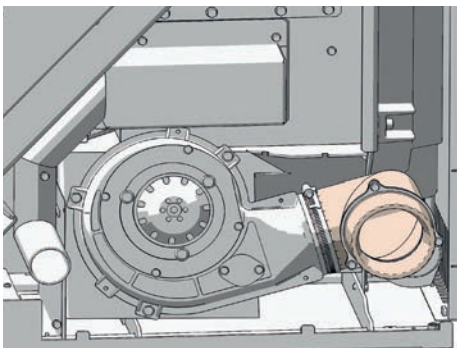
To do this undo the four hexagon bolts that secure the flue gas fan motor in place and carefully remove the flue gas fan motor from the housing.



Remove the fly ash from the blower and flue gas pipes with a vacuum cleaner. Take care that seals are correct when closing



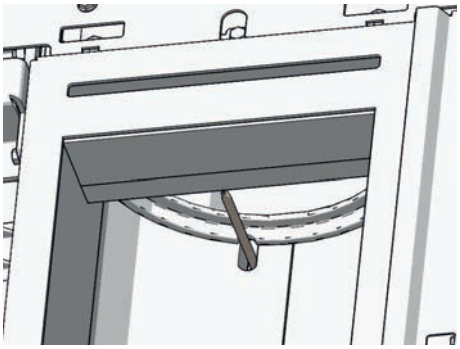
To clean the flue pipe connection disconnect the flue pipe from the flue gas fan and vacuum the flue gas fan housing



Re-assembly the parts removed in reverse order.

Cleaning the flame temperature sensor

Remove the dust deposits from the sensor at regular intervals. Use a clean cleaning cloth or newspaper.



Cleaning the pellet container

Do not refill the completely empty container immediately; remove the residues (dust, chippings etc.) from the empty container. The unit must be disconnected from the mains!

Checking door seal

The condition of the seals at doors and glass should be checked at least 1 x per year. Repair or replace seals depending on condition.

Checking chimneay connection

Inspect and clean connection. Accumulated fly ash may impair the performance of the stove and pose a safety risk.

13. PROBLEMS - POSSIBLE SOLUTIONS

Problem 1

Fire burns with weak, orange flame. Pellets heap up in fire trough, window sooted up.

Cause(s)

- Insufficient combustion air
- Poor chimney draught
- Stove is sooted over inside

Possible solutions

- Remove any ash or clinker from the fire trough that may block the air inlets. If possible swap to better pellet quality (see CLEANING AND MAINTENANCE)
- Check whether flue gas pipes are blocked with ash (see CLEANING AND MAINTENANCE).
- Check whether the suction nozzles and air inlet pipe or flue tube are blocked.
- Check door and cleaning cover seals for leaks (see CLEANING AND MAINTENANCE)
- Clean blower impeller (see CLEANING AND MAINTENANCE)
- Have service performed by authorised specialist company.

Problem 2

Stove smells strongly and smokes outside.

Cause(s)

- Burning-in phase (taking into service)
- Stove has accumulated dust and/or dirt

Possible solutions

- Wait to end of burning-in phase and vent sufficiently
- Suction off any dust deposits from the convection air openings at regular intervals

Problem 3

Flue gas discharge when wood is added and during heating phase.

Cause(s)

- Inspection openings leak
- Chimney draught too low
- Flue pipe connection leaks

Possible solutions

- Check seals and replace (fire door, plaster cover, ..)
- Check chimney
- Check connections and if necessary re-seal

Note
Please note that checks on the control system and wiring ma only be performed in unit switched dead. Any repairs may only be performed by trained specialists.

Tip
If a malfunction message occurs, the cause must first be remedied; the unit can be put back into operation by acknowledging the malfunction at the internal unit.

14. INSTRUCTIONS FOR COMMISSIONING PROTOCOL

FOR PELLET AND COMBI STOVES

The commissioning protocol is to be treated as a documents and serves as the basis for the warranty and guarantee terms. It is to be completed entirely, in particular the stove data and addresses, the work to be performed is to be ticked off after completion. The signatories confirm with their signatures that all the items on the list have been concluded properly.

Note
Please return 1 completed protocol for putting into service to RIKA Innovative Ofentechnik GmbH, Müllerviertel 20, A-4563 Micheldorf.

Electrical periphery

It is important that the connection socket in the electrical periphery is earthed. The operability of any room thermostat present must be checked. The execution of commands is to be established by phoning in the case of a GSM modem.

Exhaust gas system

The exhaust line, stove and combustion air inlet are part of the combustion system as a whole; therefore the correct execution must also be checked. The plug connections should be tight in general since the system works with excess pressure. The exhaust tube has a diameter of 150 mm which is sufficient for short distances. In the case of several changes in direction, the resistance of the exhaust system can increase with the flue to such an extent that the combustion quality suffers and/or noises arise from the greater flow speed. Correct determination of the chimney draught can only be performed at nominal thermal output and serves to evaluate the chimney. If the draught is more than 15 Pa, then a draught limiter should be installed.

Stove functions

These are the basic stove functions that are to be checked and ticked off. The stove is ready for operation if these functions are ensured.

Operator instruction

This is one of the most important points in the putting into operation. It is very important that the operator understands the stove properly and is prepared to assume responsibility for the basic tasks required for operational safety.

In particular the connection between special features of a biomass heating system and his obligations as well as the warranty and guarantee terms must be explained. e.g. non-tested pellets and screw blockers, lack of cleaning or maintenance and stove malfunctions. Thorough instruction can prevent many complaints.**Stove functions**

Explanation of the processes in the stove during ignition, normal operation, cleaning phase etc.

Control

Explain operator's possibilities to intervene, empty pellet container, room thermostat, GSM modem, functions and settings, program times if necessary. Operating instructions: Handover and reference to the content to the following points, is a document.

Warranty terms

Difference between warranty (statutory) and guarantee (voluntary), terms of guarantee, determination of wearing parts, reference to pellet quality to be used and the consequences of poor quality.

Cleaning instructions

Ash and dust occurs with a biomass heating unit. The fire trough is to be cleaned regularly with regular heating operation (in the case of pellet operation, the drilled air holes in particular must be free of residues). The ash drawer is to be emptied regularly. The flue gas pipes are to be cleaned once or twice in the heating season depending on stove type; by a specialist company is best.

Maintenance

Maintenance work after defined burn-off output is to be performed by specialist company, including thorough cleaning.

Combustion

All doors must close tightly to prevent intake of false air.

Note
Please contact your warranty partner for any warranty questions or claims. This is your dealer or installation company. No warranty claims can be accepted without proper putting into operation, proper operation according to the operating instructions and the supplements in this information sheet.

Protocol for putting into operation for RIKA pellet and combi stoves **date:**_____

Installation address	Dealer
Name:_____	Name:_____
Street:_____	Street:_____
City:_____	City:_____
Telephone:_____	Telephone:_____

Stove data

Stove type:		Casing undamaged	
Serial number:		Operating instructions	
Software version:		Warranty documents	
Touchdisplay version:		Door opener	

Electrical periphery

Connection socket earthed		GSM modem present	
Room thermostat present		Function checked	

Check of system components

Combustion chamber door seal checked		Ease of movement burnback flap checked (combi)	
Ease of movement flue gas flap checked (combi)			

Exhaust line / chimney

Diameter		Connection leakproof	
Bends		Chimney draught	

Stove functions

Pellet container filled		Grid turns (360°) und keeps in heating position	
Tested pellet quality according to Önorm/DIN plus/ ENplus-A1		Ignition element glows	
Electrical connections made		Screw motors run	
Safety flaps tightened (combi)		Do pellets fall into the combustion chamber?	
Induced draught blower runs		Ignition performed	
Stove was switched off when handed over			

Operator instruction

Stove function		Warranty terms	
Control		Cleaning	
Operating instructions		Cleaning or maintenance interval	

RIKA®

work performed correctly according to order placed

_____ Technican:

_____ Operator

_____ Client

Company:_____

15. GUARANTEE

These warranty conditions are only valid for the following countries: Austria, Germany and Switzerland. Separate conditions imposed by the importer apply for all other countries.

For the purpose of timely damage limitation, the warranty claim on the part of the claimant is to be enforced at the RIKA dealer in writing using the invoice and stating the purchase date, model name, serial number and reason for complaint.

WARRANTY

5 years on the welded stove body. This exclusively applies to defects in materials and workmanship as well as free replacement. Labour and travel times are not included in the manufacturer's warranty.

Only original parts supplied by the manufacturer should be used. Loss of warranty on non-observance!

The precondition for the warranty is that the stove has been installed and commissioned properly according to the User and installation manuals valid at the time of purchase. Connection must be performed by a specialist for such stoves.

Any costs incurred by the manufacturer due to unjustified warranty claims are to be charged to the claimant.

Wear parts and parts affected by fire are excluded, such as glass, coating, surface coatings (e.g. handles, panels), seals, fire trough, grates, draught plates, deflector plates, combustion chamber liners (e.g. fireclay), ceramics, natural stone, thermo stone, ignition elements, sensors, combustion chamber sensors and temperature controller.

Damage arising from non-observance of the manufacturer's instructions for operation of the unit or any damage that is caused by action such as overheating, use of non-approved fuels, tampering with the device or the flue gas pipe, electrical excess voltage, an incorrect, insufficient or excessive flue draught, condensation, non-performance or deficient maintenance and cleaning, non-observance of the relevant and applicable building regulations, incorrect operation by the user or third parties, transport and handling damage is also excluded.

THE WARRANTY DOES NOT AFFECT THE STATUTORY WARRANTY PROVISIONS.

01.07.2013

Art.Nr.: Z34958 | 05.03.2014

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