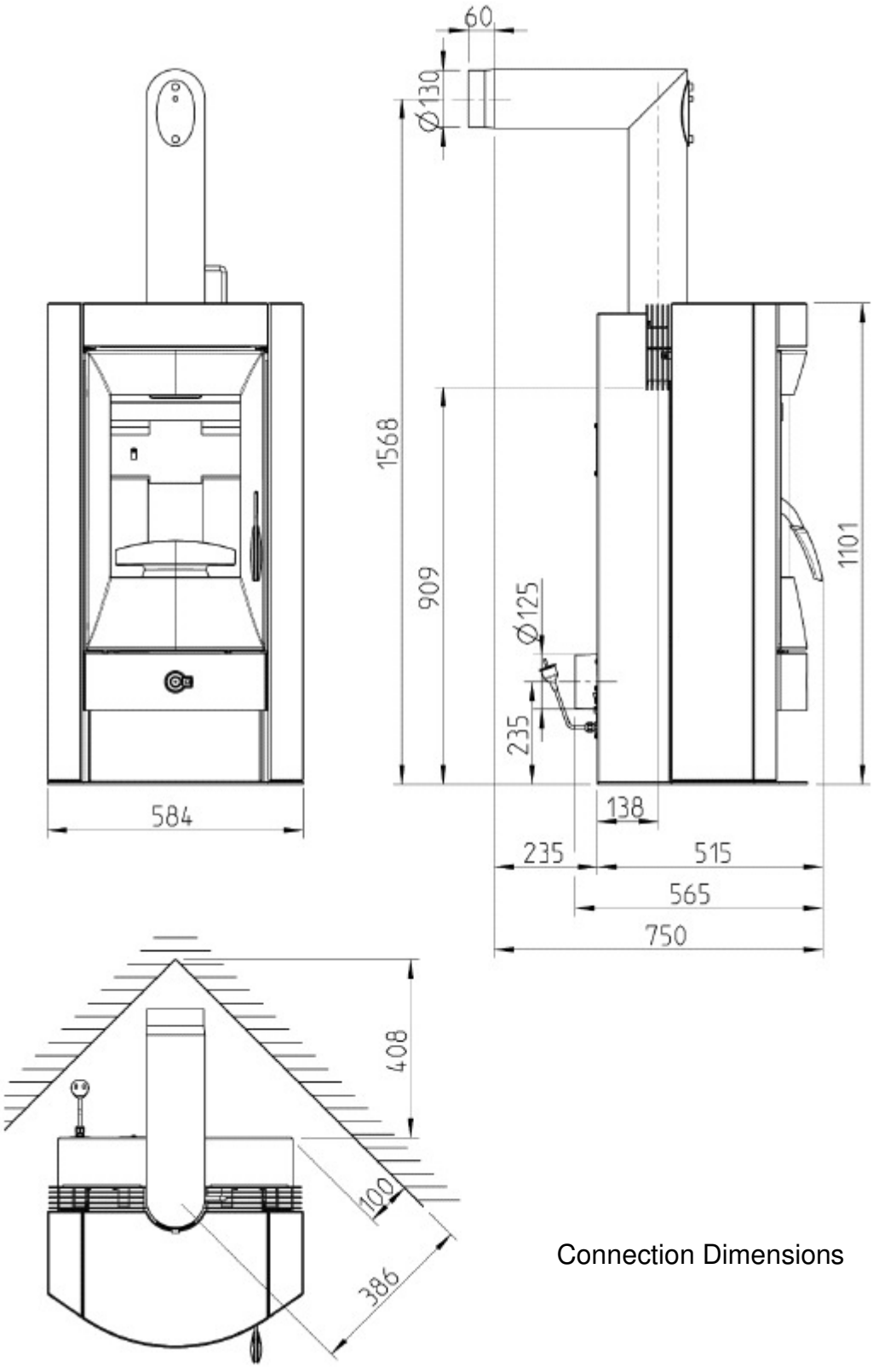
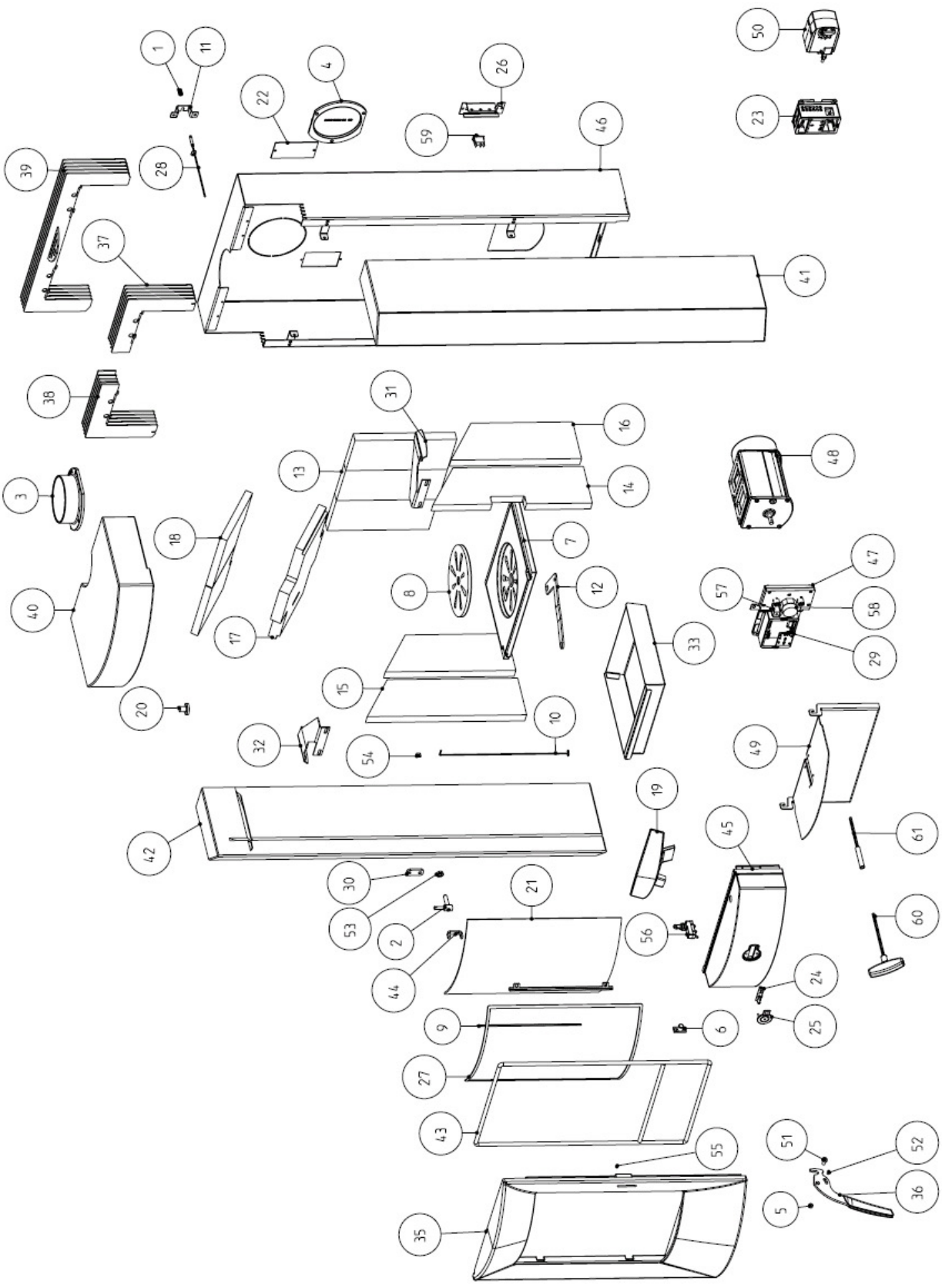
ECO Rikatronic 3

Instruction Manual



Connection Dimensions

SPARE PART OVERVIEW



SPARE PART OVERVIEW

Pos	Designation	Article number
1	Pressure spring	108131
2	Hinge	B15807
3	Flue pipe adapter	Z10020
4	Cooking plate lid	Z10021
5	Handle sleeve	Z14937
6	Lock cpl.	B12322
7	Vibrating grate	Z25946
8	Vibrating panel	Z25948
9	Glass retainer	L01244
10	Torsion spring	Z32691
11	Pressure bracket	L00433
12	Vibrating grate lever	L00616
13	Fireclay, rear	Z32590
14	Fireclay, front right	Z32591
15	Fireclay, front left	Z32592
16	Fireclay, rear left/right	Z32593
17	Deflector panel lower	Z32596
18	Deflector panel upper	Z33323
19	Wood retainer, black	Z32940
	Wood retainer, metallic grey	Z32603
	Wood retainer, copper	Z33481
20	Bolt	Z33324
21	Door glass	Z32533
22	Locking plate, black	Z33276
	Locking plate, metallic grey	Z33277
	Locking plate, copper	Z33596
23	Motherboard (ECO Plus up to serial number 266275)	B15705
24	Button board	B15667
25	Front panel button	Z33198
26	Mains connection bracket, black	Z33278
	Mains connection bracket, metallic grey	Z33279
	Mains connection bracket, copper	Z33595
27	Flat sealing strip 8x2, self-adhesive	103693
28	Flame temperature sensor	B15671
29	Rikatronic³ motherboard	B16422
30	Adjusting plate	L01136
31	Side panel bracket, right, black	Z33219
	Side panel bracket, right, metallic grey	Z33220
	Side panel bracket, right, copper	Z33597
32	Side panel bracket, left, black	Z33221
	Side panel bracket, left, metallic grey	Z33222
	Side panel bracket, left, copper	Z33598
33	Ash drawer	L00867

Pos	Designation	Article number
	Combustion chamber door cpl., black	B15695
	Combustion chamber door cpl., metallic grey	B15696
	Combustion chamber door cpl., copper	B15949
35	Combustion chamber door, black	Z33192
	Combustion chamber door, metallic grey	Z33196
	Combustion chamber door, copper	Z33592
36	Combustion chamber door handle	B15697
37	Fins, right	B15699
38	Fins, left	B15700
39	Fins, rear connection	E14179
40	Soapstone cover	Z33223
	Sandstone cover	Z33231
41	Soapstone side casing panel, right	Z33224
	Sandstone side casing panel, right	Z33229
42	Soapstone side casing panel, left	Z33225
	Sandstone side casing panel, left	Z33230
43	Round sealing strip Ø12	100485
44	Door stop	L01320
45	Control panel, black	Z33273
	Control panel, metallic grey	Z33197
	Control panel, copper	Z33594
46	Rear panel, black	Z34163
	Rear panel, metallic grey	Z34164
	Rear panel, copper	Z34165
47	Rikatronic³ electric regulator drive unit	B16464
48	Rikatronic³ supply air regulator with intake duct	B16017
49	Electronic control cover cpl., black	B16425
	Electronic control cover cpl., metallic grey	B16426
	Electronic control cover cpl., copper	B16542
50	Servo motor (ECO Plus up to serial number 266275)	B15666
51	Fillister head screw with hexagon socket	104622
52	Headless screw M5	108427
53	Hexagonal nut M10	100483
54	Connecting disc (spring mount)	111701
55	Set screw	102434
56	Door contact switch	111499
57	Rikatronic³ electric lifting magnet	111815
58	Rikatronic³ motor	111817
59	Main switch On/Off	B15754
60	T-handle Allen key	102647
61	Allen key extension	Z34323
	Cable harness	B15680
	Mains cable	Z33601
	Fuse	110696

C O N T E N T S

DRAWING EXPLANATION

Important information 

Practical advice 

Use the plan 

PACKAGING

Your first impression is important to us!
The packaging for your new fire provides excellent protection from damage. However damage to the fire and accessories can occur during transport.

Therefore please check your fire for damage and that all parts are there on receipt! Report any defects to your fire dealer immediately! When unpacking please ensure that the soap stone panels are intact. The material scratches easily. Soapstones are not covered by the warranty.

The packaging for your new fire in the main has no effect on the environment.

The wood in the packaging has not been surface treated and can therefore be burned in your fire. The box and the film (PE) can be recycled without any problem.

TECHNICAL SPECIFICATION

This is a Design 1 fire and has a connection for fitting to a chimney that is equipped for other fires and boilers for solid and liquid fuels, insofar as the chimney dimensions are in accordance with DIN 4705, Part 3.

Technical Specification	
Maße (mm) und Gewichte (kg)	
Height:	1101 mm
Width:	584 mm
Depth: of the corpus	479 mm
Weight without casing:	145 kg
Weigth with stone casing:	285 kg
Flue pipe outlet diameter:	130 mm
Rated useful heat according to EN13240:	8 kW
Smallest thermal output:	4 kW
Room heating capacity depending on house insulation	90-210m³
Fuel flow	2,2 kg/h
Efficiency	83,2 %
CO2 content	8,2 %
CO emission rel. 13 % O	792 mg/Nm³
Dust emissions	24 mg/Nm³
Electric supply	230 V/50 Hz
Power input	ca. 4 W
Min. chimney flue	12 Pa
Max. chimney flue	30 Pa

Flue gas values for multiple connection to a chimney as per DIN 4705, Part 3 or for measuring the chimney as per DIN 4705, Part 2	
Flue gas mass flow g/s	7,3
Flue gas temperature/°C	206,3
Minimum flow pressure at rated heating capacity/mbar	12

The owner of the small heating system or the authorised person for the small heating system must keep the technical documentation in a safe place and present it to the local authority or the chimney sweep.

1. IMPORTANT INFORMATION

GENERAL WARNING AND SAFETY INSTRUCTIONS

The general introductory warning information must be followed.

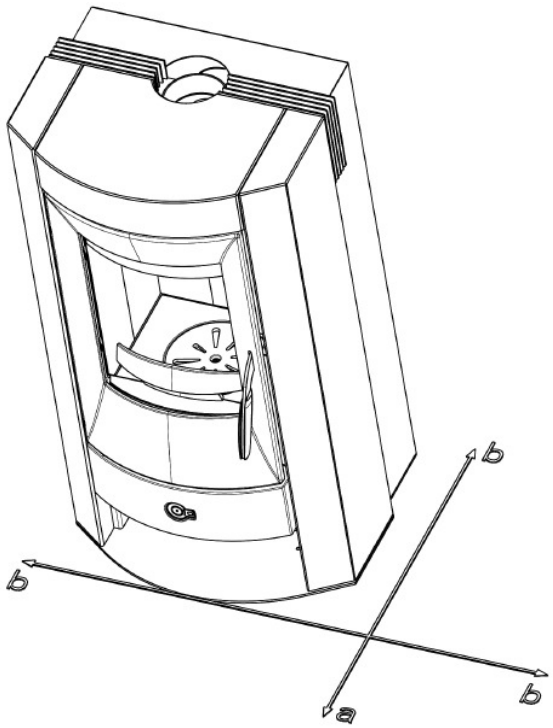
- Read the whole of the manual thoroughly before commissioning the fire. Please observe the national provisions and legislation, as well as the locally applicable rules and regulations.
- Only approved transport aids with adequate load bearing capacity must be used for transporting your fire.
- Your fire is not suitable for use as a ladder or scaffold
- Thermal energy is produced by burning fuel; this leads to the surface of the fire, the doors, the door and operating handles, the door glasses, the flue pipes and possibly the front wall of the fire becoming very hot. Avoid touching these parts without wearing the relevant protective clothing or using the relevant means (cold hand). E. g. Heat protection glove or shaker hook forbidden.
- Make children aware of the danger and keep them away from the fire when in use.
- Only burn the approved fuel listed in the chapter “Clean Burning”.
- Burning or inserting easily combustible or explosive materials, such as empty spray cans and suchlike in the fire, as well as storage of the same close to the fire is prohibited due to risk of explosion.
- When reheating, no wide or easily combustible clothing should be worn.
- Setting down of non heat resistant objects on the fire or nearby is prohibited. Do not lay washing on the fire to dry.
- Do not place non-heat resistant objects on the stove or in the vicinity. Do not hang washing on the stove to dry.
- Stands for drying items of clothing or suchlike must be set up at an adequate distance from the fire - fire hazard!
- Working with easily combustible and explosive materials in the same or adjoining room to the fire is prohibited when the fire is on.

BEFORE SETTING UP

- Ground load bearing capacity:
Before setting up, ensure that the supporting construction has a load bearing capacity that will support the weight of the fire.

The stove must not be modified in any way. Otherwise this will lead to revocation of the guarantee and warranty.

SAFETY CLEARANCES (Minimum clearances)
1. From non-combustible items
a > 400 mm b > 100 mm
2. From combustible items and supporting walls made from reinforced concrete construction
a > 800 mm b > 200 mm



Safety clearances

- Flue pipe connection
Flue pipes are a particular hazard source in respect of escape of poisonous gas and fire hazard. Obtain the advice of an appointed specialist company in respect of laying and fitting the pipes.

- When connecting the flue pipe to the chimney, in the area of walls cladded using wood, please follow the relevant fitting directives.

- You must follow the flue gas formation in the event of unfavourable weather (atmospheric inversion) and the draught conditions.

If too little combustion air is added smoke can enter your house or flue gases can escape. Additionally harmful deposits can arise in the fire and in the chimney.

In the event that flue gas escapes let the fire go out and check if all air inlet openings are free and the flue gas feeds and the fire pipe are clean. In cases of doubt you must inform the master chimney sweep, as a fault in the draught could be due to the chimney.

- Before adding new fuel, push the embers together.

- Only use a suitable tool from our accessory range for pushing the embers together, and ensure that no combustible material falls out of the fire.

- Use the supplied heat resistant glove to open the doors of the stove.

- **Design 1 fires (BA 1):**
These fires must only be operated with the fire

- The fire door must only be opened for adding fuel and must then be closed again, as this could otherwise lead to a danger to other fires that are also connected to the chimney.

- When the fire is not in operation, the fire door must be kept closed.

- When using wet fuel and if operation is throttled too much, the chimney can soot up, i.e. easily combustible materials such as soot and tar can be deposited and this can lead to a chimney fire.

Should this happen, close all air inlet slides and flaps. Call the fire brigade and get your self and all other occupants to safety.

ATTENTION: The size of the fire door means that, particularly when reheating blazing flames, the door must not be opened abruptly, in order to prevent the flames from springing out.

Important information concerning AMBIENT AIR DEPENDENT and AMBIENT AIR INDEPENDENT OPERATION:

Your stove has been tested for ambient air dependent operation according to EN 13240 and does not fulfil the requirements for ambient air independent operation in Germany.

In combination with ambient air technical installations (e.g. controlled ventilation and extraction installations, dust extraction, etc) it must be ensured that the stove and ambient air technical installation are mutually monitored and safeguarded (e.g. via a differential pressure controller, etc). The required supply of approx. 40 m^3/h of combustion air must be assured.

In consultation with your responsible chimney sweep make sure you observe the applicable rules and regulations for the locality.

2. BRIEFHEATING INFORMATION

SUITABLE FUELS AND FUEL QUANTITIES

In principle your fire is suitable for burning dry billets. You can also burn fuels such as wood brickets.

Only use dry fuel (between 14% and 18% rel. wood humidity). The burning of waste of any kind, in particular plastics, damages your fire and the chimney, and is prohibited by the Emissions Protection Ruling.

FUEL QUANTITIES
The fire is equipped with flat firing due to the design. This means that only one layer of fuel may be placed on the existing basic embers.
Please note that when a larger quantity of fuel is added, your fire will emit a larger quantity of heat or will heat up more strongly than is intended for the design. This can lead to damage to your fire.

TYPES OF WOOD

Wood from different types of trees has different calorific values. Wood from deciduous trees is especially suitable. It burns with a steady flame and forms long-lasting embers. Coniferous woods are highly resinous and like all softwoods burn very quickly and tend to emit sparks.

Type of wood	Calorific value kWh/m^3	Calorific value kWh/kg
Maple	1900	4.1
Birch	1900	4.3
Beech	2100	4.0
Oak	2100	4.2
Alder	1500	4.1
Ash	2100	4.2
Spruce	1700	4.4
Larch	1700	4.4
Poplar	1200	4.1
Robinia	2100	4.1
Fir	1400	4.5
Elm	1900	4.1
Willow	1400	4.1

MAXIMUM FUEL QUANTITIES

Wood:
2 billets á approx. 1,1 kg

Wood brickets (broken):
2 off á approx. 1,1 kg

The output of your stove is controlled by the Rikatronic, but note that the output is also dependent on the flue draft.

The shaker grate handle (part 12) may only be used with the shaker hook enclosed.

The challenges of the present day and age mean that everyone must act responsibly. One of most important matters of concern is retaining our natural world. Our products are developments that comply with the most recent state of the art technology. This is an essential prerequisite for a clean, efficient and perfect functioning of our fires.

CLEAN BURNING

The following is important for clean burning:

1. THE FIREWOOD MUST BE DRY AND UNTREATED.

Recommended value between 14% and 18% rel. wood humidity.
Dry and well ventilated stored wood that has been stored for 2-3 years.

A fire is not a „waste incineration plant". The warranty will become null and void if rubbish or nonapproved material, such as plastic, treated wood etc. is burned. Further consequences are damage or soiling of the fire and chimney as well as the environment!

2. CORRECT FIREWOOD QUANTITY AND FIREWOOD SIZE

-Too much firewood causes overheating. This causes the material to burn too heavily and your fire will produce poor flue gas values.

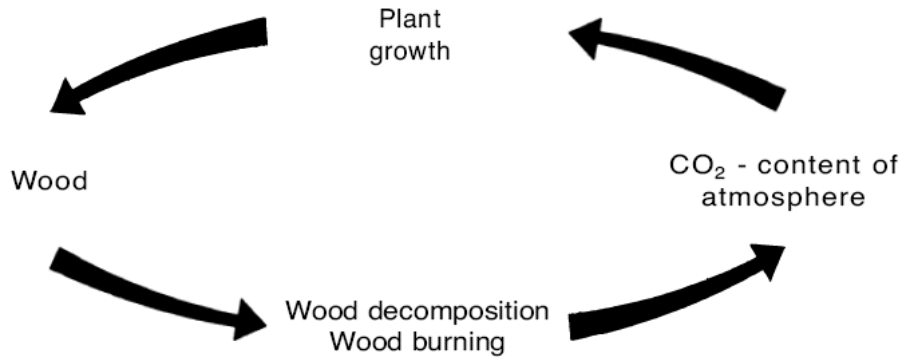
-Too little firewood or too large billets have the effect that the fire does not reach the optimum temperature. The flue gas values are poor here.

-The correct firewood quantity means: for wood 2,2 kg (2 billet - 25 cm long) per layer (recommended value) at rated thermal output. At the smallest thermal output 1,1 kg (2 billets - 25 cm long)

Note: Only wood and wood brickets must be burned in your fire. Plastic, treated wood materials (e.g. chipboard), hard coal or textiles must not be burned.

BURNING WOOD

Clean burning of wood corresponds to the same chemical process as natural decay, i.e. that the CO2 (carbon dioxide) released does not increase or contaminate the original CO2 content – household of the atmosphere.



3. INSTALLING THE FIRE

Before first commissioning or after changing the location of the fire, cleaning and service work, ensure that the flue plate, as well as the log guard (Fig. Combustion chamber, Part 17, 18 and 19) is in the correct position.
When using a flue pipe with throttle valve, the throttle valve must be open.

When using this stove you must ensure that the chimney draught reaches at least the minimum recommended value of 10 Pa and does not exceed the maximum value of 30 Pa.
If there are problems in this respect, contact your chimney sweep.

CONNECTING THE FIRE

Proceed as follows when fitting a connection to a bricked chimney:

1. Measure and draw in the chimney connection (taking a possible floor plate thickness into account) as per the natural dimension

2. Chisel out (drill) the holes in the wall

3. Brick in wall lining

First seal the wall lining using mineral wool insulation. Afterwards plaster using heat resistant cement mortar or equivalent.

4. After the mortar has hardened, and after plastering and painting, position the floor plate including the floor protection (carton).

5. The fire can now be lifted onto the floor plate carefully.

The fire must not be pushed along an unprotected floor.

Strong corrugated cardboard, carton, or an old carpet are excellently suited as an installation aid and an underlay. The fire can also be pushed on this underlay.

We recommend original flue pipes from the RIKA flue pipe range for professional connection.
The connecting piece must not project into the chimney shaft! Seal the gap between the flue pipe and wall lining using a ceramic seal.

The installation must comply with the respective safety and construction regulations. Please contact your master chimney sweep in this respect – he will be happy to give you information.

If you use a system chimney (e.g. glazed fireclay), we would ask you to follow the manufacturer ´'s connection regulations exactly.

MAKING AN EXTERNAL COMBUSTION AIR FEED

- Connect a non-flammable pipe to the fresh air nozzle (e.g.: Steel spiral pipe Ø125) and fix this using a hose clip (not included in delivery!)
- The line should not be longer than 4 m and have no bends in order to guarantee adequate air feed.
- If the pipe extends to the outside it must be fitted with a cowl.

Note:

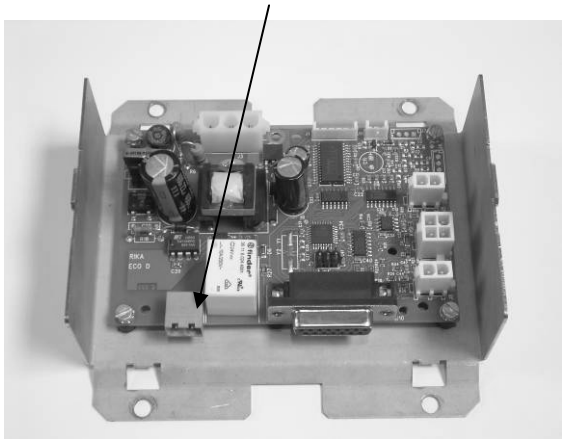
Please note that problems may arise due to updrafts in the case of combustion air supply from an integrated chimney ventilation shaft. If the combustion air flowing downwards is heated it may rise and thus counter the chimney with a resistance which in turn reduces the negative pressure in the combustion 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.

VOLTAGE FREE CONTACT

A potential-free contact on the main board is connected as a normally closed contact, i.e. as soon as the stove enters the heating phase the contact is opened. This contact is suitable for the connection of external devices, which have to be switched off during heating operation. E.g. air conditioning, exhaust fan,…

230V/50Hz
max. 10 A

SK1



OPERATION

HEATING INSTRUCTIONS

Preparation

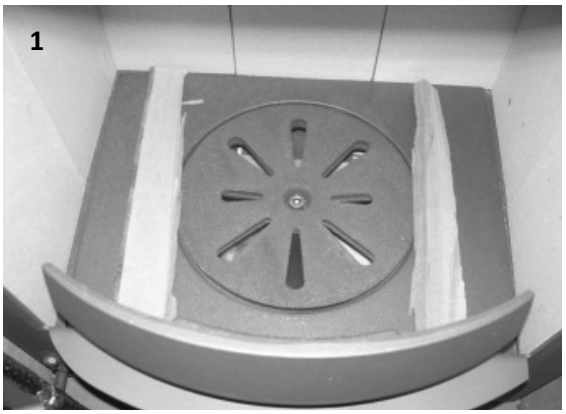
Insert the power plug and press the main switch on the rear of the stove. The main switch now illuminates "green". The display on the front of the stove also illuminates "green" for approx. 10 seconds and then flashes "red" at irregular intervals until the air flap motor has completed its reference sequence.

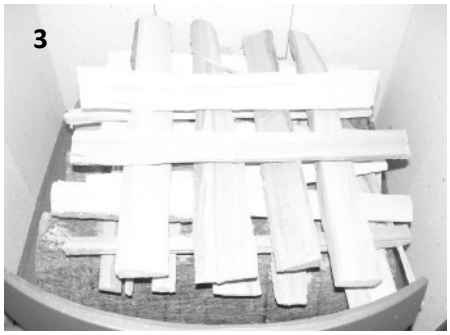
Heating correctly

1 When the reference phase is complete and the display illuminates with a solid red light, open the combustion chamber door and insert 2 small pieces of chipboard lengthwise on the left and right-hand side of the base of the combustion chamber.

2 Lay 3 blocks of wood across the top of this chipboard.

3 Now stack more chipboard across the top of these blocks and place a firelighter underneath the chipboard to the left (at a pinch, some plain paper can also be placed underneath the chipboard instead of the firelighter). Open the vibrating grate completely and ignite the firelighter (or the plain paper) and **4** close the combustion chamber door. By "heating correctly" it will prevent excessive smoke from developing during the heating phase.





Fill quantity for heating ~ 2kg
Fill quantity for replenishing, according to requirements ~ 1-2kg

As soon as the temperature in the combustion chamber exceeds 80°C, the display changes to "green" (if the display does not change to "green" within 10 minutes of closing the combustion chamber door, it means the heating procedure has failed, i.e. a combustion chamber temperature above 80°C has not been reached).
After the display has changed to "green" it will take up to 20 minutes (depending on the temperature) until the stove starts to regulate the combustion process. This time is required in order to develop an appropriate bed of embers.

Replenishing

If the display changes from a "green" to a "flashing red" status, it indicates the correct time to add more firewood. The "flashing red" phase varies according to the respective environmental conditions, however, it usually lasts approx. 5 - 10 minutes.

Burnout

If no more wood is added during the "flashing red" phase, the display will change to a "solid red" status. No more wood should be added from this point onwards, as it can no longer be guaranteed that the wood will ignite. The stove must then be heated again.

ECO OPERATION

If the room to be heated and/or the woodburning stove is at the correct temperature, a secondary operation with reduced heat output and wood consumption is possible. If the "Eco - button" is pressed, the display turns "yellow " to indicate that the "Eco - mode" has been activated. This mode also slows down the rate at which the wood is burnt. Pressing the "Eco - button" again or opening the combustion chamber door causes the display to change from "yellow" back to "green" to indicate that the "normal mode" has been re-activated.

Additional information
If the combustion chamber door is opened during operation, the display will change to "flashing green". In the event of a corresponding temperature increase (wood has been added), the display will change to "solid green" (the stove is regulating the combustion process again). If a temperature increase is not detected, the display will revert back to the status that was present before the combustion chamber door was opened (i.e. either "flashing red" or "red").

CLOSING THE AIR REGULATOR COMPLETELY

The Eco Plus stove features a safety device which prevents the air flaps from closing completely during the heating phase (risk of deflagration). However, to suppress the existing air draught while the stove is not operational, the air flaps can be closed completely by actuating the "Eco - button" and opening or closing the combustion chamber door in succession.

- Make sure the stove has cooled down, is switched off and that the combustion chamber door is closed
- Insert the power plug and press the main switch on the rear of the stove
- Wait until the reference phase has been completed and the display turns "solid red"
- Now press and hold the "Eco - button" for 5 seconds while the combustion chamber door is closed until the display changes to a "flashing yellow" status
- Open and close the combustion chamber door; the display will now become "solid yellow"
- Then press the "Eco - button" again for 5 seconds until you hear a "click" and the air flaps close completely

As soon as the air flaps have reached their final position, the display disappears and the stove can be switched off and/or the power plug removed.

ACTUATING THE VIBRATING GRATE

The reciprocating motion of the vibrating grate actuator (*part 12, page 2*) causes the ash to be transferred from the combustion chamber to the ash drawer. This leaves the path clear in the combustion chamber for the primary air (regulated via Rikatronic), which is conducive to the heating phase.
The vibrating grate can be closed after the heating process for further combustion phases.

Caution: If you encounter problems with the firing process because of the flue draught, make sure the vibrating grate is always left open.

POWER FAILURE

If a power failure occurs, the air regulating flap remains unchanged until the fire goes out (no display). If power is restored after a brief power failure, the display will turn "green" for 10 seconds (in the same way as it does during start-up) and it will then change to a "flashing red" status. If the temperature of the stove is in excess of 80°C, the display will change and control switches to the respective state.

THE STOVE PAINT ONLY HARDENS THOROUGHLY ON INITIAL HEATING.

- When heating do not touch the surface of the stove. It is still soft.
- Our paints are certified by TÜV as harmless, there is no danger to health. Nevertheless, after first use we recommend that the dwelling is thoroughly ventilated several times.
- Heat the stove well - this will shorten the hardening time.
- After a number of thorough heating sessions, hardening of the surface will be complete. For information about the qualities of firewood and correct heating refer to Section 2.

Ash draw
To avoid overheating the grate the ash draw should be emptied regularly.

Caution: The ash may still contain embers. Make sure you empty the ashes into non-flammable containers and do not place the ash draw on flammable surfaces.

MANUAL OPERATION
MANUAL CONTROL

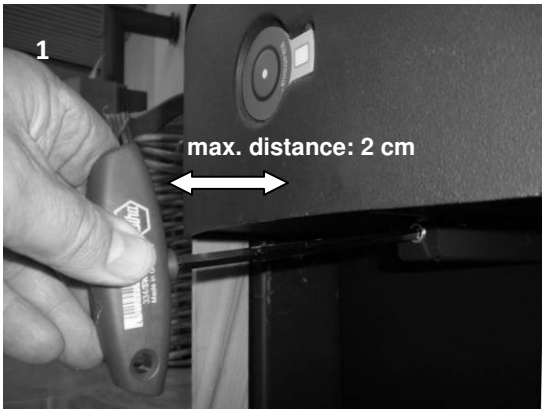
Caution: The manual mode should only be activated when the stove has been switched off. Any procedure other than that specified below can cause damage to the various components and will result in an expiration of the warranty.

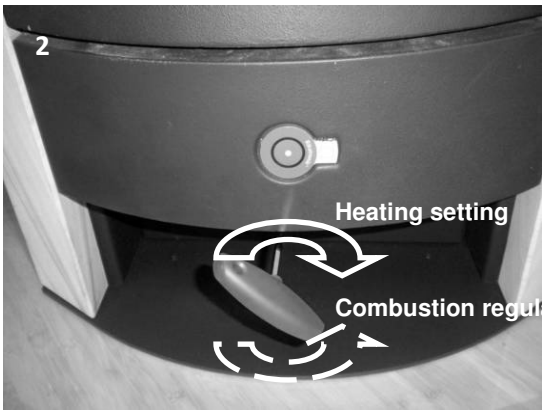
Switch off the stove by actuating the main switch and remove the power plug from the socket.

1 Insert the supplied Allen key into the designated socket as illustrated.

2 The air flaps can be opened by turning the Allen key clockwise and closed by turning it counter-clockwise. First turn the Allen key to the "heating" setting (turn the key until you can feel a slight stop). To regulate the air supply, and thus the combustion phase, by hand, gradually turn the Allen key counter-clockwise after a successful heating phase.

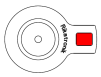
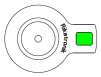
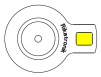
Always ensure the stove is provided with sufficient air for the combustion phase.





5. ECO RIKATRONIC DISPLAY SIGNALS

STATUS DISPLAYS…

LED indicator light	Meaning	Measures to be implemented
The indicator light flashes RED at irregular intervals 	• The stove has just been switched on and the air flaps are commencing their reference sequence • The control unit is restarting a reference sequence after a brief power failure	Do not heat the stove until the indicator light stops flashing
The indicator light is solid RED 	• The combustion chamber is cold and the stove is in an idle state • The temperature of the combustion chamber has dropped below the prescribed temperature for adding more wood	The stove is ready for heating An optimum control sequence can no longer be guaranteed; adding more wood is prohibited. The stove must be reheated again
The indicator light is solid GREEN 	The stove is in the normal operating mode	
The indicator light is solid YELLOW 	The stove is in the ECO operating mode	
The indicator light flashes RED at regular intervals 	The specified temperature for adding wood has been reached	Open the combustion chamber door and insert more firewood or let the fire burn out
The indicator light flashes GREEN at regular intervals 	The stove is attempting to ignite the firewood that was added after the combustion chamber door was opened	If the flue draught is low while adding the wood, the vibrating grate should be opened; if it is high, the vibrating grate should be closed
The indicator light flashes YELLOW at regular intervals 	The magnetic switching sequence has been initiated	see "Closing the air flaps completely"

ERROR DISPLAYS

LED indicator light	Meaning	Measures to be implemented
The indicator light flashes 1 x RED and 1 x YELLOW 	The temperature sensor is defective or is issuing incorrect values	Please contact RIKA's customer service department
The indicator light flashes 2 x RED and 1 x YELLOW 	• The magnetic switch is defective or jammed • The air flaps are jammed	Please contact RIKA's customer service department Check whether any objects are blocking the air box
The indicator light flashes 3 x RED and 1 x YELLOW 	The air flap motor cannot start	Please contact RIKA's customer service department
The indicator light flashes 4 x RED and 1 x YELLOW 	The magnetic switch is defective or jammed	Please contact RIKA's customer service department

6. FITTING OPTIONS

CHANGING FLUE PIPE CONNECTION ABOVE TO CONNECTION AT REAR

- Lift off the stone cover (40).
- Lift off the two side sections.

Please remember when changing the flue pipe connection that the individual parts of the soapstone panelling weigh about 40 kg. In addition the surface of the soapstone should be protected to prevent scratching.

- Loosen the two hexagonal screws and remove the plate fins (37, 38).
- Cut out the pre-stamped, round section in the rear wall (46) using a hacksaw.
- Swap the flue gas connector and the hob (3, 4) with each other.
- Fit the new plate fins (39 - must be optionally ordered) and the soapstone sections in the reverse order. (Make sure your fingers do not become trapped!)

7. MAINTENANCE AND CLEANING

GENERAL MAINTENANCE

Your stove Eco Plus has been designed by our development team with minimal maintenance in mind and for a very long service life. Certain cleaning activities and checkin the seals are however necessary from time to time.
The time periods between the inspection intervals are above all dependent on the fire wood quantity used and the frequency of use.

All maintenance and cleaning work must only be carried out when the fire is completely cooled down.

ONCE MORE

Only use wood that has been stored properly and is dry and untreated. Feed the correct quantity of wood into the fire.

Should the fuel be poor, the number of necessary maintenance activities can more than double.

FINISH – CONDITION AND CLEANING

The glass in the door can be cleaned by using a special glass cleaner (free from corrosive acids and solvents - otherwise there is a risk of damage to the glass surface and/or inscription).The glass cleaner can be obtained from your specialist fire dealer. Should the glass become heavily sooted the possible cause could be damp wood.
The fire finish is highly refractory and must only be cleaned using a cloth (damp if necessary).
Only use original paint for touch up work, this is available from your specialist dealer as an accessory. Under no circumstances must the paint be cleaned before heating for the first time!

CONVECTION AIR OPENINGS

Regularly clean dust deposit from the convection air openings.
The fire should be cleaned thoroughly before the start of the new heating season, in order to prevent strong odours.

CLEANING THE FLUE GAS CHANNELS

(1 x annually)

- Removing the flue pipes
- Brush off any soot and dust deposits in the fire and in the flue pipes and vacuum.
- Check the seals on the fire door or the ash drawer before the beginning and end of the heating period. Should they be damaged or excessively worn, then please order the relevant replacement.

Only intact seals guarantee the perfect function of your fire.

8. PROBLEMSOLVING

WHAT TO DO IF…?

Problem	Reason	Solution
1.Door glass soots up too quickly	• bad draught	Basic procedures: from time to time (according to use) each glass pane must be cleaned with a glass cleaner. Check with chimney sweep (chimney may need to be raised)
	• Rikatronic fault	Check the functioning of Rikatronic*
	• too much fuel	see: "max. fuel quantities"
	• damp wood	see: "clean combustion", use wood briquettes if necessary (uniformly dry)
2. Stove does not draw correctly	• Insufficient chimney draught	see: "Heating instructions"
	• Stove is sooted up internally	see: "Servicing and cleaning“
	• Rikatronic fault	Check the functioning of Rikatronic*
3. Stove does not burn correctly	• Effects of weather	see: "Making the fire"
	• Incorrect heating	see: "Making the fire"
	• Rikatronic fault	Check the functioning of Rikatronic*
4. Stove smells strongly and smokes on the outside	• Firing phase	see: "Operation" (hardening of paint)
	• Stove is dusty/dirty	see: "Convection air openings"
5. Paint does not harden	• Firing phase not completed correctly	see: "Operation" (hardening of paint)
6. Smoke emissions when adding fuel and during the heating phase	• insufficient chimney draught, flue pipe connection not sealed	check connection points and re-seal if necessary

* Check that the controller is functioning correctly. If the air valve is closed operate the On/Off switch and listen for the opening sound. Check the door contact switch: on closing the door listen for the “clicking noise” If the regulator or door contact switch is faulty inform RIKA customer services

Should you not be able to find the correct solution to your problem, then please contact your special list dealer or your chimney sweep.

9. 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.

GUARANTEE / GARANTIE

Dealer's stamp / Cachet du revendeur:

Date of purchase / Date d'achat:

Product name / Nom du modèle

Installed from / Branché du:

Number of type plate on the backside of the stove:
Numéro de plaque signalétique au verso du fourneau:

Serial number / Numéro de série

GARANTIE / GARANZIA

Händlerstempel / Timbro del rivenditore:

Kaufdatum / Data d'acquisto:

Modellname / Nome modello:

angeschlossen von / allacciato da:

Nummern des Typenschildes auf der Ofenrückseite:
Numeri della targa modello sul retro della stufa:

Serien Nr. / Nr. serie:

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GUARANTEE/GARANTIE

Customer/Client:

Stamp
Marque

To/A:

GARANTIE/GARANZIA

Kunde/Cliente

Marke
Marca

An/A