PARO
PARO MULTIAIR

Operating manual

from serial number 231513409

RIKA®

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1. PREFACE

Explanations to symbols


...Important note


...Useful tip


...Lifting assistance

...Hex #8, #10, #13


...Lubricate with Metaflux

... Hacksaw

...Hex #13


...Manually


...dispose

TECHNICAL DOCUMENTATION

according to commission regulation
(EU) 2015/1185 und 2015/1186
Ecodesign

Contact details of the manufacturer

Manufacturer:	RIKA Innovative Ofentechnik GmbH
Contact:	Andreas Bloderer
Address:	Müllerviertel 20 4563 Micheldorf Austria

Details of the device

Model Identifier:	PARO / PARO MULTIAIR PELLET
Equivalent models:	-
Notified body:	CTIF, 44 av. De la Division Leclerc, 92318 Sèvres Cedex, Frankreich
Notified body no.:	1677
Test report no.:	4918
Applied harmonised standards:	EN14785:2006
Other applied standards/technical specifications:	-
Indirect heating functionality:	Nein
Direct heat output:	8 kW
Indirect heat output:	-

Characteristics when operating with the preferred fuel

Seasonal space heating energy efficiency ηs :	79,5 %
Seasonal space heating energy efficiency RIKATRONIC ηs :	-
Energy Efficiency Index:	120
Energy Efficiency Index RIKATRONIC:	-

Special precautions for assembly, installation or maintenance

Fire protection and safety distances such as distances to combustible building materials must be observed!

An adequate supply of combustion air for the appliance must be guaranteed at all times. Air-suction systems can interfere with the combustion air supply!

The flue gas values of the appliance must be observed for the chimney dimensioning!

Characteristics when operating exclusively with the preferred fuel

Heat output			
Nominal heat output	P_{nom}	8	kW
Minimum heat output	P_{min}	2,5	kW
Useful efficiency			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	90	%
Useful efficiency at minimum heat output	$\eta_{th,min}$	91	%
Auxiliary electricity consumption			
At nominal heat output	el_{max}	0,02	kW
At minimum heat output	el_{min}	0,01	kW
In standby mode	el_{SB}	0,003	kW
Permanent pilot flame power requirement			
Pilot flame power requirement	P_{pilot}	n.A.	kW

Type of heat output/room temperature control	
single stage heat output, no room temperature control	Yes
two or more manual stages, no room temperature control (**)	No
with mechanic thermostat room temperature control (**)	No
with electronic room temperature control (**)	No
with electronic room temperature control plus day timer (**)	No
with electronic room temperature control plus week timer (**)	No
Room temperature control with presence detection (**)	No
Room temperature control with open window detection (**)	No
with remote control options (**)	No

EN

Details of the fuel

Fuel	Preferred fuel:	Other suitable fuel:	η_s [%]	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*)(**)			
				PM	OGC	CO	NO_x	PM	OGC	CO	NO_x
				mg/Nm^3 (13% O_2)				mg/Nm^3 (13% O_2)			
Wood logs, moisture content ≤ 25 %	No	No	-	-	-	-	-	-	-	-	-
Wood logs RIKATRONIC, moisture content ≤ 25 %	No	No	-	-	-	-	-	-	-	-	-
Compressed wood, moisture content < 12 %	Yes	No	79,5	8	1	29	92	-	-	-	-
Other woody biomass	No	No	-	-	-	-	-	-	-	-	-
Non-woody biomass	No	No	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	No	No	-	-	-	-	-	-	-	-	-
Hard coke	No	No	-	-	-	-	-	-	-	-	-
Low temperature coke	No	No	-	-	-	-	-	-	-	-	-
Bituminous coal	No	No	-	-	-	-	-	-	-	-	-
Lignite briquettes	No	No	-	-	-	-	-	-	-	-	-
Peat briquettes	No	No	-	-	-	-	-	-	-	-	-
Blended fossil fuel briquettes	No	No	-	-	-	-	-	-	-	-	-
Other fossil fuel	No	No	-	-	-	-	-	-	-	-	-
Blended biomass and fossil fuel briquettes	No	No	-	-	-	-	-	-	-	-	-
Other blend of biomass and solid fuel	No	No	-	-	-	-	-	-	-	-	-

(*) PM = dust, OGC = gaseous organic compounds, CO = carbon monoxide, NOx = nitrous gases

(**) Only required when applying correction factors F(2) or F(3)

Signed for and on behalf of the manufacturer by:
Andreas Bloderer / product management

Micheldorf, 12.04.2023

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In case of doubt as well as missing or incorrect translations, the German version is the only valid one.

TECHNICAL DOCUMENTATION

according to commission regulation
(EU) 2015/1185 und 2015/1186
Ecodesign

Contact details of the manufacturer

Manufacturer:	RIKA Innovative Ofentechnik GmbH
Contact:	Andreas Bloderer
Address:	Müllerviertel 20 4563 Micheldorf Austria

Details of the device

Model Identifier:	PARO / PARO MULTIAIR WOOD
Equivalent models:	-
Notified body:	CTIF, 44 av. De la Division Leclerc, 92318 Sèvres Cedex, Frankreich
Notified body no.:	1677
Test report no.:	4919
Applied harmonised standards:	EN13240:2001/A2:2004/AC:2007
Other applied standards/technical specifications:	-
Indirect heating functionality:	Nein
Direct heat output:	8 kW
Indirect heat output:	-

Characteristics when operating with the preferred fuel

Seasonal space heating energy efficiency ηs :	77,1 %
Seasonal space heating energy efficiency RIKATRONIC ηs :	77,1 %
Energy Efficiency Index:	116
Energy Efficiency Index RIKATRONIC:	116

Special precautions for assembly, installation or maintenance

Fire protection and safety distances such as distances to combustible building materials must be observed!

An adequate supply of combustion air for the appliance must be guaranteed at all times. Air-suction systems can interfere with the combustion air supply!

The flue gas values of the appliance must be observed for the chimney dimensioning!

Characteristics when operating exclusively with the preferred fuel

Heat output			
Nominal heat output	P_{nom}	8	kW
Minimum heat output	P_{min}	-	kW
Useful efficiency			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	87,1	%
Useful efficiency at minimum heat output	$\eta_{th,min}$	x	%
Auxiliary electricity consumption*			
At nominal heat output	el_{max}	0,02	kW
At minimum heat output	el_{min}	0,01	kW
In standby mode	el_{SB}	0,003	kW
Permanent pilot flame power requirement			
Pilot flame power requirement	P_{pilot}	n.A.	kW

*RIKATRONIC

Type of heat output/room temperature control	
single stage heat output, no room temperature control	Yes
two or more manual stages, no room temperature control (**)	No
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with electronic room temperature control (**)	No
with electronic room temperature control plus day timer (**)	No
with electronic room temperature control plus week timer (**)	No
Room temperature control with presence detection (**)	No
Room temperature control with open window detection (**)	No
with remote control options (**)	No

EN

Details of the fuel

Fuel	Preferred fuel:	Other suitable fuel:	η_s [%]	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*)(**)			
				PM	OGC	CO	NO_x	PM	OGC	CO	NO_x
				mg/Nm³ (13% O_2)				mg/Nm³ (13% O_2)			
Wood logs, moisture content ≤ 25 %	Yes	No	77,1	11	34	428	114	-	-	-	-
Wood logs RIKATRONIC, moisture content ≤ 25 %	Yes	No	77,1	11	34	428	114	-	-	-	-
Compressed wood, moisture content < 12 %	No	No	-	-	-	-	-	-	-	-	-
Other woody biomass	No	No	-	-	-	-	-	-	-	-	-
Non-woody biomass	No	No	-	-	-	-	-	-	-	-	-
Anthracite and dry steam coal	No	No	-	-	-	-	-	-	-	-	-
Hard coke	No	No	-	-	-	-	-	-	-	-	-
Low temperature coke	No	No	-	-	-	-	-	-	-	-	-
Bituminous coal	No	No	-	-	-	-	-	-	-	-	-
Lignite briquettes	No	No	-	-	-	-	-	-	-	-	-
Peat briquettes	No	No	-	-	-	-	-	-	-	-	-
Blended fossil fuel briquettes	No	No	-	-	-	-	-	-	-	-	-
Other fossil fuel	No	No	-	-	-	-	-	-	-	-	-
Blended biomass and fossil fuel briquettes	No	No	-	-	-	-	-	-	-	-	-
Other blend of biomass and solid fuel	No	No	-	-	-	-	-	-	-	-	-

(*) PM = dust, OGC = gaseous organic compounds, CO = carbon monoxide, NOx = nitrous gases

(**) Only required when applying correction factors F(2) or F(3)

Signed for and on behalf of the manufacturer by:
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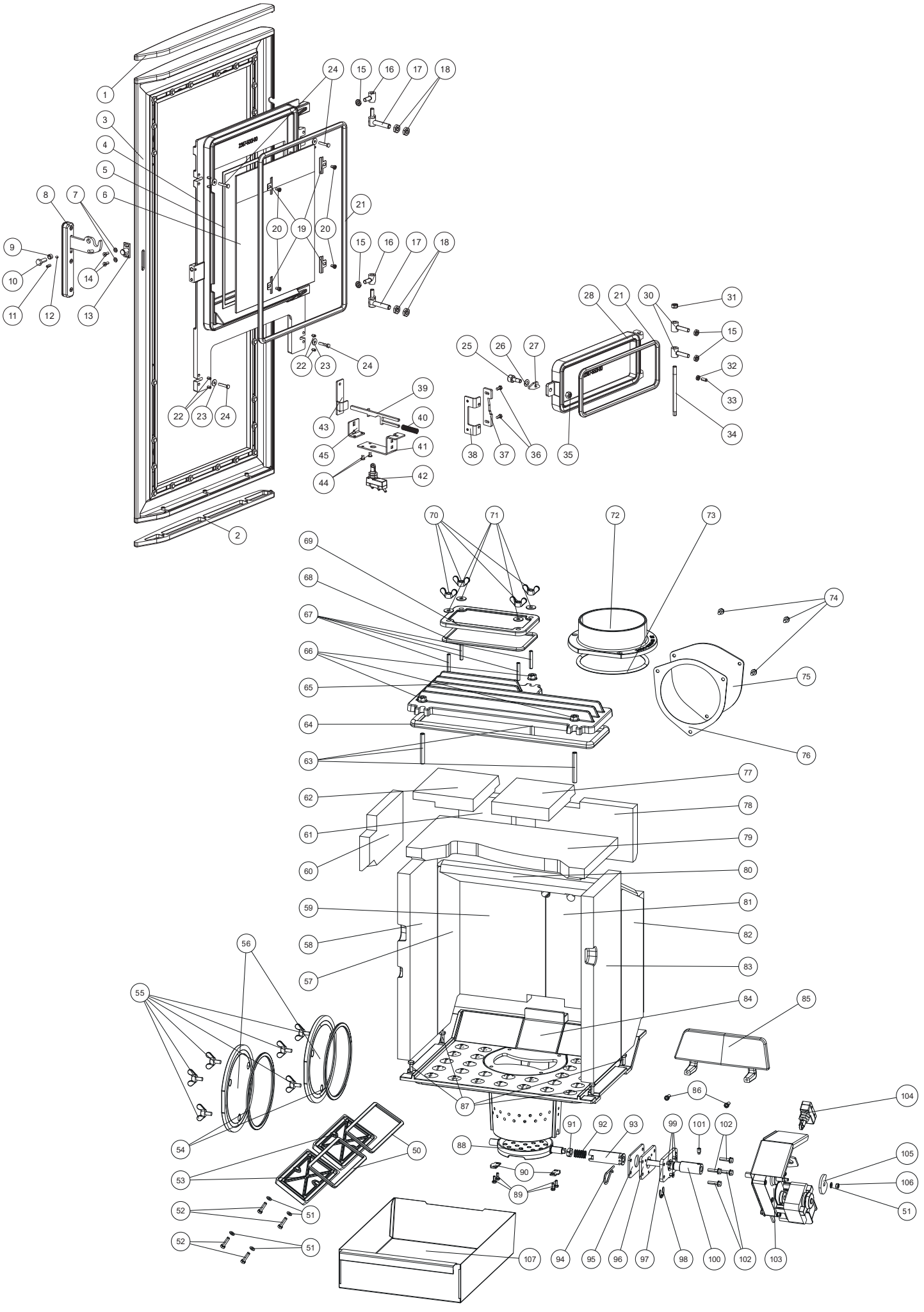
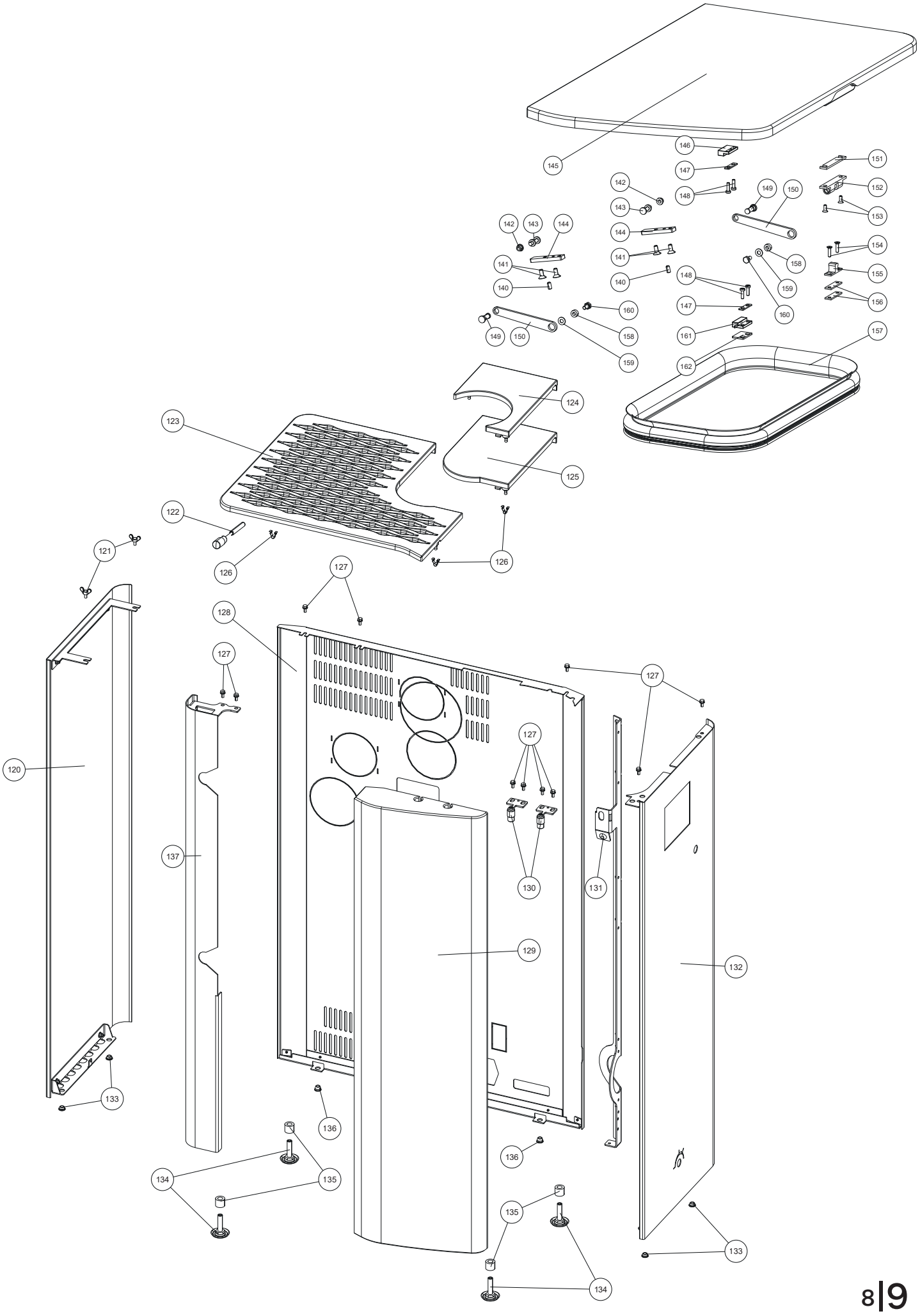
3. TECHNICAL DATA

Spare part overview exploded diagram

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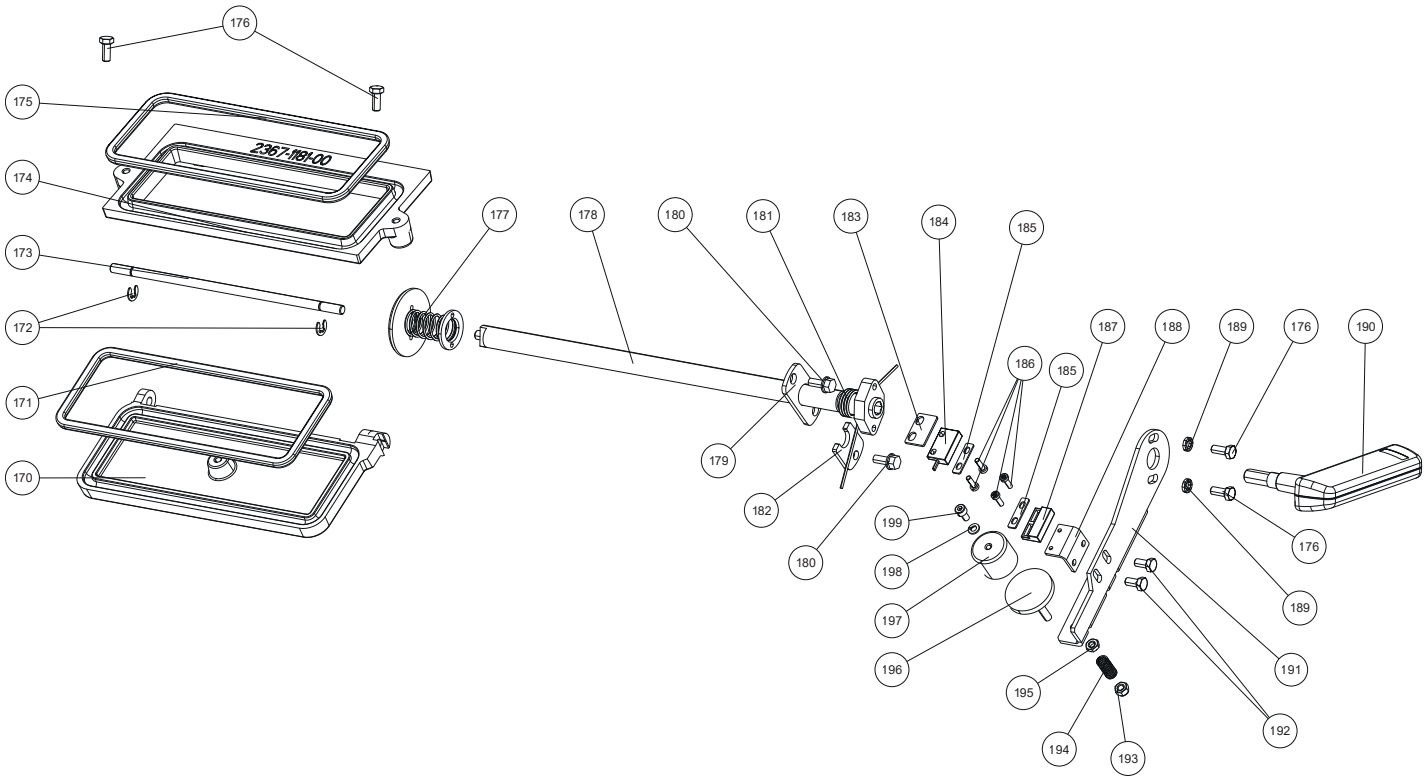
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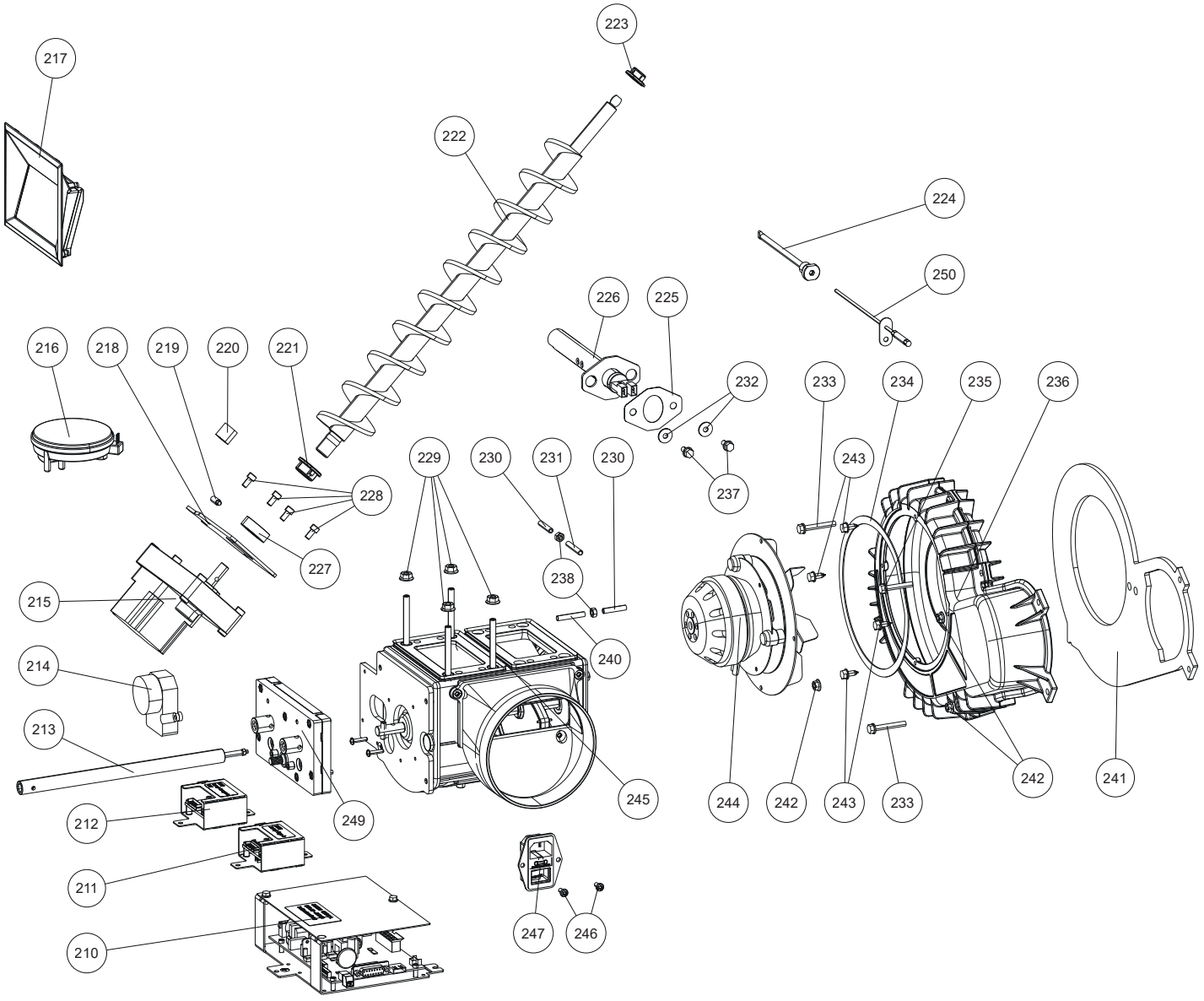

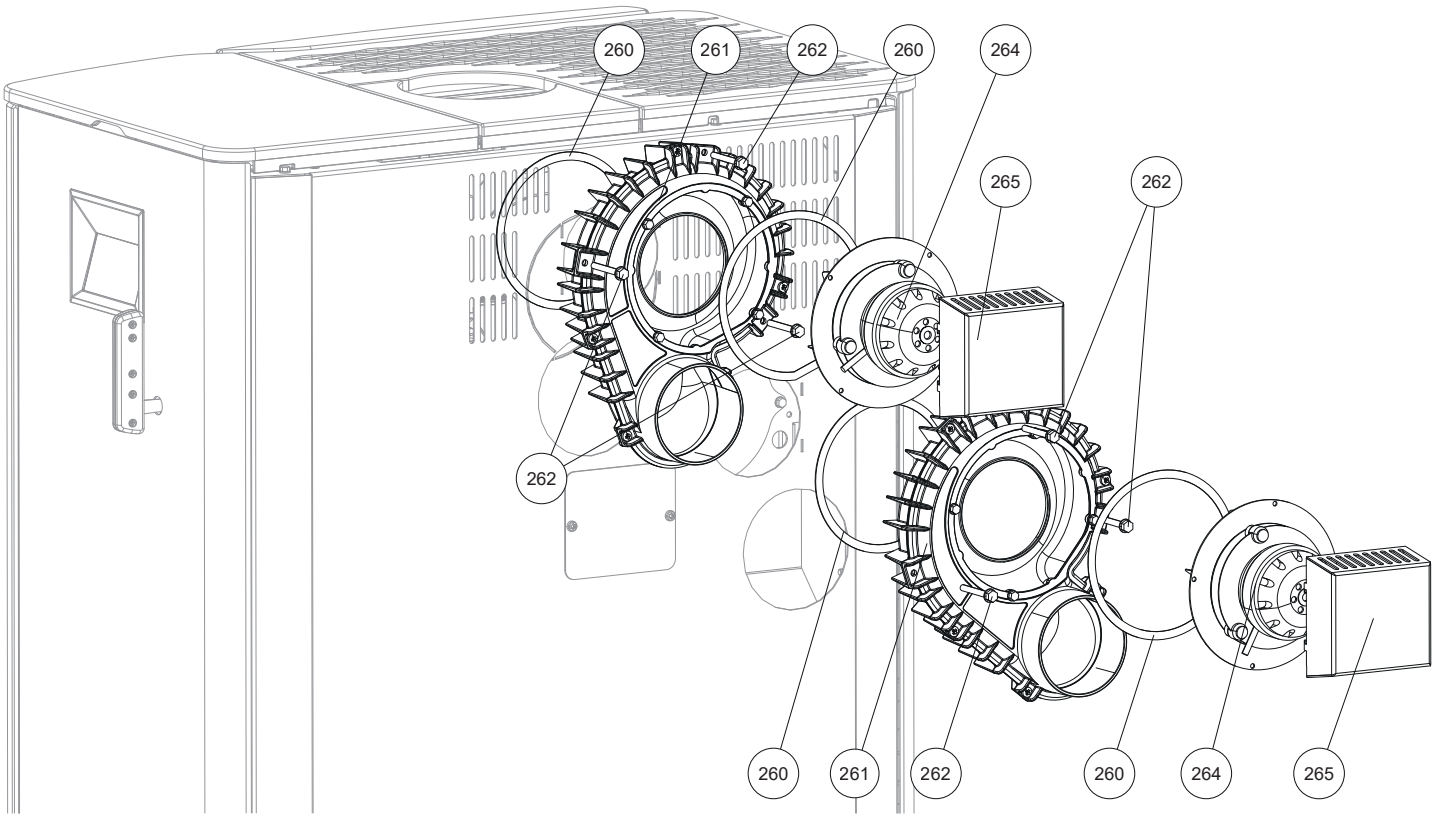
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Spare part overview - article numbers PARO and PARO MULTIAIR

Nr.	Art.Nr.	Description
1	Z37474	Frame panel top
2	Z37475	Frame panel bottom
3	B18164	Decorative door assy
4	Z36705	Combustion chamber door
	B18162	Front door assy with glass
5	N103693	Flat seal black 8x2
6	Z36790	Combustion chamber door glass
7	N111965	Washer M05
8	B18165	Door opener assy
9	Z14937	Handle sleeve
10	N111962	Hexagonal screw M08X20
11	N108427	Headless screw M05X12
12	N102434	Grub screw M05x06
13	B12322	Closure plate
14	N100751	Flat allen screw M05X12
15	N105378	Hexagonal nut
16	B18163	Top hinge
17	B18156	Bottom hinge
18	N111780	Hexagonal nut
19	L00475	Glass holder
20	N112201	Hexagon socket screw M05X08
21	N112551	Round sealing strip grey D11 (1m)
22	N111789	Grub screw
23	N112009	Flat washer
24	N112051	Hexagonal screw M05X25
25	Z36967	Locking bolt
26	N100699	Disc spring
27	L02713	Fastener tongue
28	Z36706	Door for ashdrawer
29	N112551	Round sealing strip grey D11 (1m)
30	B15396	Hinge
31	N108656	Hexagonal nut M08
32	N107499	Hexagonal nut
33	N112499	Grub screw M6x16
34	Z35923	Hinge shaft
35	N111970	Hexagonal nut M08
36	N111950	Hexagonal screw M05x10
37	L02712	Closure flap
38	Z37050	Angle support
39	Z37297	Switching rod
40	N112309	Pressure spring door contact
41	Z37298	Angle support for rod
42	N111825	Contact switch
43	L03305	Counter plate
44	N108830	Fillister head screw M05x08
45	Z37299	Angle support for rod small
50	N103066	Round sealing strip black D06
51	N111965	Washer M05
52	N111866	Hexagonal screw M05X20
53	B16682	Flue gas chute lid
54	N111631	Round sealing cord grey D06
55	N112437	Wing screw M06X12
56	Z37039	Blind cover black
57	Z36985	Firebrick lining left rear
58	Z36988	Firebrick lining left front
59	Z36983	Firebrick lining rear left

Nr.	Art.Nr.	Description
60	Z39443	Baffle plate left
61	Z38833	Baffle plate back left
62	Z38835	Baffle plate top left
63	N112436	Grub screw
64	N100485	Round sealing strip black D12
65	B19239	Cover with seal
66	N112411	Flange nut
67	N112253	Grub screw
68	N103066	Round sealing strip black D06
69	B19244	Cleaning opening assy
70	N112290	Wing nut
71	N112269	Washer
72	Z17799	Flue pipe attachment D130 black
73	N111631	Round sealing cord grey D06
74	N112240	Self-tapping screw M05x10
75	Z40078	Blind cover black
76	Z40079	Flat sealing
77	Z38834	Deflection plate, top, right
78	Z38832	Baffle plate rear, right
79	Z38830	Baffle plate bottom
80	Z38831	Baffle plate rear
81	Z36984	Firebrick lining rear right
82	Z36986	Firebrick lining right rear
83	Z36987	Firebrick lining right front
84	L03295	Fire trough tray
85	Z33583	Wood retainer
86	N111910	Allen screw M05X12
87	N103964	Hexagonal screw M06x16
88	Z36708	Turning Grid
89	N112272	Screw M04X10
90	L02044	Turning grid support
91	L01875	Driving plate turning grid
92	N108131	Pressure spring
93	Z33924	Intermediate shaft turning grid
94	N112470	Spring clip
95	Z36167	Ceramic seal
96	Z39856	Bearing plate
97	Z39857	Bearing clamping plate
98	N112125	Circlips
99	N108485	Allen screw M05X10
100	Z37833	Drive shaft
101	N113017	Grub screw M6x10
102	N112160	Self-tapping screw M05X20
103	B17406	Turning grid motor assy
104	N111825	Contact switch
105	L02646	Actuating cam turning grid
106	N106175	Hexagonal nut M05
107	L03304	Ash drawer
120	B18229	Side casing panel, left assy
121	N112419	Wing screw M05X10
122	B18500	Lifting assistance
123	B19242	Convection cover assy
124	B19240	Cover RAO
125	B19245	Cover AH
126	Z36001	Snap spring
127	N112240	Self-tapping screw M05x10

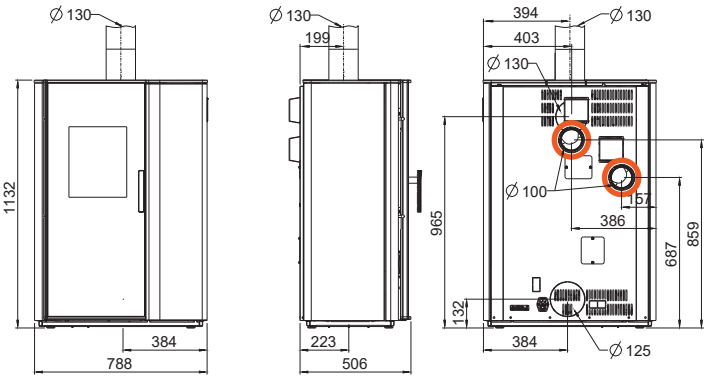
Nr.	Art.Nr.	Description
128	B19237	Rear panel assy
129	Z36842	Soapstone front
	Z36993	Front stone white
130	B17100	Stone retainer
131	Z18997	Rubber buffer
132	B19238	Side casing panel, right assy
133	N111730	Grommet
134	N112490	Levelling screw black
135	Z37051	Spacer
136	N112020	Grommet
137	B18228	Casing left front assy
140	N111801	Grub screw
141	N111856	Hexagonal countersunk screw M04x12
142	Z36997	Bushing
143	Z36996	Hinge pin
144	L03308	Hinge holder
145	Z36994	Container lid
146	N111732	Magnetic switch top part
147	L02310	Guard plate
148	N111842	Hexagon socket M03x10
149	Z36995	Hinge pin top
150	L03307	Hinge part
151	L01446	Lock washer
152	N112772	Double ball catch
153	N112446	Hexagonal countersunk screw M03x08
154	N112085	Hexagonal countersunk screw M03X10
155	N112773	Catch counterpart
156	L01502	Lock washer
157	N112600	Container seal
158	Z34489	Spacer
159	N107150	Washer
160	N112415	Hexagonal screw M04X08
161	N111733	Magnetic switch bottom part
162	L01445	Switch spacer
170	Z36710	Fluegas flap
171	N111631	Round sealing cord grey D06
172	N103981	Circlips D05
173	Z36966	Shaft of fluegas flap
174	Z36709	Frame of fluegas flap
175	N111631	Round sealing cord grey D06
176	N112138	Hexagonal screw M05X12
177	B18497	Shaft sealing
178	B18607	Axis fluegas flap
179	L03296	Bearing plate
180	N108313	Self-tapping screw M05x12
181	N112416	Torsion spring
182	L03297	Retaining plate
183	L01445	Switch spacer
184	N111733	Magnetic switch bottom part
185	L02310	Guard plate
186	N111842	Hexagon socket M03x10
187	N111732	Magnetic switch top part
188	L03300	Holder plate magnetic switch
189	N112757	Wedge retaining ring M4

Nr.	Art.Nr.	Description
190	B17925	Flap handle
191	L03298	Lever fluegas flap
192	N111950	Hexagonal screw M05x10
193	N108095	Hexagonal nut M05
194	N112417	Pressure spring
195	N111973	Hexagonal nut M05
196	LB00740	Magnet plate
197	Z37666	Electromagnet
198	N107813	Spring washer
199	N112059	Allen screw M04X08
210	B16561	Mainboard USB11
211	B16672	Additional board
212	B16030	Additional motherboard for motor, incl. cable
213	B18167	Extension of actuator
214	N111817	Air regulator motor
215	N112030	Screw motor, stepless
216	N112473	Differential pressure sensor
217	Z34485	Touch-display plug-in
218	L03302	Support for motor
219	N112499	Grub screw M6x16
220	Z18105	Hose
221	Z35182	Friction bearing D16
222	B17235	Auger
223	Z35183	Friction bearing D10
224	B16053	Sensor tube
225	Z36290	Seal for ignition
226	B17166	Ceramic ignition
227	Z11915	Lock ring conveyer screw
228	N108486	Allen screw M05x10
229	N111933	Flange nut
230	Z37701	Pressure Pipe
231	N112795	Silicon hose red
232	N112009	Flat washer
233	N111804	Self-tapping screw M05X35
234	N100475	Flat packing white 8x2
235	N112305	Self-tapping screw M05x30
236	B16951	Induced draft fan housing
237	N112240	Self-tapping screw M05x10
238	N106175	Hexagonal nut M05
240	N112796	Silicon hose blue
241	Z37002	Spacer plate
242	N112297	Self-locking nut
243	N106989	Hexagonal screw
244	N111581	Induced draft fan motor
245	B16547	Air regulator assy
246	N112703	Self-tapping screw M04x08
247	Z38387	IEC mains socket
249	B16464	Transmission air regulator
250	B16114	Temperature sensor
		MULTIAIR
260	N100475	Flat packing white 8x2
261	B17527-1	Induced draft fan housing
262	N112040	Self-tapping screw M06x50
264	N112000	Fan motor
265	L04104	Motor protection cover

EN

Note: Please consider the powdercoated parts can differ slightly in colour and colour effects though they are elaborated in high quality. Fairing parts with minor damage cannot be repaired and must therefore be replaced as spare parts. There is no matching RAL colour for the painted fairing parts.

Dimensions PARO



Dimensions		
Height	[mm]	1132
Width	[mm]	788
Corpus depth	[mm]	506
Weight		
Weight without shell	[kg]	~240
Weight with steelpanel	[kg]	~245
Weight with stonepanel	[kg]	~290
Flue pipe connection		
Flue pipe outlet	[mm]	130
Deapth from rear wall to middle of flue pipe	[mm]	199
Original angle pipe side distance	[mm]	394
Rear connection height	[mm]	965
Rear connection side distance	[mm]	394
Fresh air connection		
Diameter	[mm]	125
Connection height	[mm]	132
Side distance	[mm]	384
Floor connection side distance	[mm]	384
Floor connection depth	[mm]	223
Convection air connection MULTIAIR		
Diameter	[mm]	100
Connection height	[mm]	687 / 859
Side distance	[mm]	157 / 386

Amount of fuel

	Nominal Load	Part Load
Log operation	2,2 kg	1,1 kg
Pellet operation	~1,9 kg/h*	~0,6 kg/h*
Burning time at full pellet hopper	~14 h*	~43 h*

*Practical values may vary depending on pellet quality.

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

Technical data PARO

Technical Data		Pellets	Logs
Heating capacity range	[kW]	2,5 - 8	8
Fresh air demand	[m³/h]	18	21
Room heating capacity depending on house coating	[m³]	50 - 220	90 - 220
Consumption	[kg/h]	≤1,9	≤2,2
Pellet container lid capacity*	[l/kg]	47/~30	-
Electric supply	[V/Hz]	230/50	230/50
Average electrical input	[W]	~20	~20
Fuse	[A]	2,5	2,5
Efficiency	[%]	90	87,1
CO_2	[%]	11	9,2
CO-emission on 13 % O_2	[mg/m_N^3]	29	428
Dust emission	[mg/m_N^3]	8	11
Exhaust	[g/s]	5,8	7
Exhaust temperature	[°C]	198,6	191,4
Chimney draft requirement	[Pa]	3	12

*The capacity in kg may deviate due to different pellet bulk densities.

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 warrant.

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 woodburning stove (not in a pelletstove!). The cardboard and film (PE) can be depolluted via the municipal waste collection for recycling.

Electrical connection

The stove is supplied with an approx. 2 m long connecting cable with a Euro-plug. This cable is to be connected to a 230 V/50 Hz socket. The average electrical power consumption is about 20 watts in heating operation and approx. 150 watts during automatic ignition. The connection cable must be laid in a way that there is no contact to any sharp edges or hot surfaces of the stove.

4. 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.
- RIKA stoves should only be installed in rooms with normal humidity (dry areas according to VDE 0100 Part 200). The furnaces are not splash water protected and may not be installed in wet areas.
- 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.
- Use the heat-resistant gloves supplied to open the doors of your stove.
- 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.
- Push the embers together to form a firebed when you add new fuel (logs).
- Placing non-heat resistant objects on the stove or near it is prohibited.
- Do not place clothing on the stove to dry.
- Laundry racks 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.
- If the stove is heated in continuous operation, the cleaning intervals are shorter. Increased wear, especially of the thermally stressed parts, is the result. Please therefore strictly follow the requirements for cleaning and maintenance!

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

Note
To prevent your stove from overheating of the internal components, do never cover the convection fins!

Note
CAUTION when filling the pellet container. The opening of the pellet container is sufficiently dimensioned to ensure easy filling. Take great care that no pellets drop to the convection fins and the hot stove body. This can cause a lot of smoke.

Tip
Therefore we recommend refilling the pellet container at a cold stove.

Note
Your stove will expand and contract during the heating and cooling phase. This can sometimes lead to slight bending or cracking noises. This is normal and is no reason for a complaint.

EN

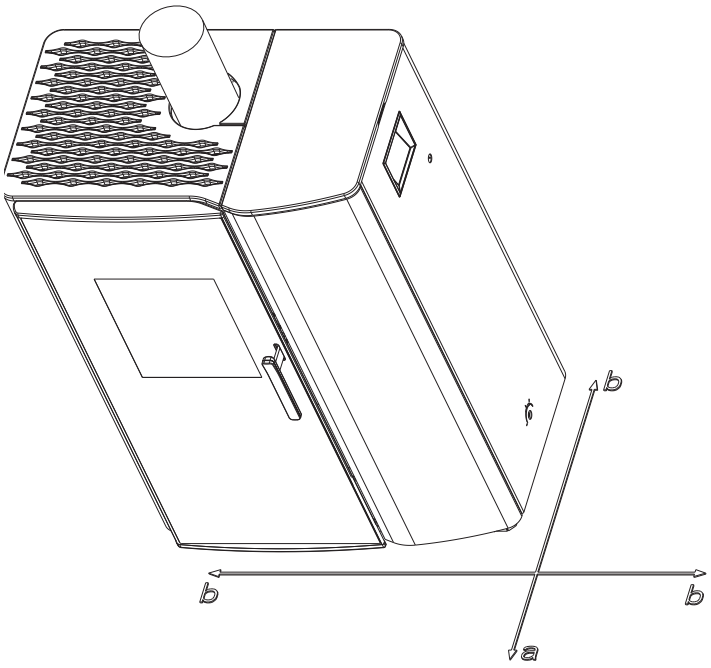
First heating

The stove body, just as various steel parts, cast iron parts and the flue pipes are painted with a heat resistant paint. During the first heating the paint dries out completely. This may cause a slight smell. Touching or cleaning the painted surfaces during the curing should be avoided. The hardening of the paint is finished after the first heating with high power.

Safety distances

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 > 10 cm

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



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 glass, sheet steel or ceramic plate is required, 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.

Stoves type 1 (BA 1):

- These may only be operated with the combustion chamber door closed.
- Suitable for multiple occupancy. (note the different country regulations)
- The combustion chamber door may only be opened to add fuel and must then be closed again otherwise other firing installations connected to the chimney may be endangered.
- The combustion chamber door is to be kept closed when the stove is not in operation.
- Fouling of the chimney i.e. deposits of highly inflammable materials such as soot and tar and subsequently fire in the chimney may occur if the chimney is miscalculated and dimensioned wrong and if wet wood is used.

If fire in the chimney occurs, disconnect the mains plug of the stove. Phone the fire brigade and get yourself and other residents out of harm's way.

Note
Due to the size of the combustion chamber door it is necessary not to open the door abruptly, to prevent the flames coming out. Especially when reheating into blazing flames.

Note
on ROOM-AIR DEPENDENT and
ROOM-AIR INDEPENDENT OPERATION:

Your stove has been tested as a room-air independent stove according to EN13240 and to EN14785 and can be installed as well room-air dependent and independent. In Germany it does not conform to the requirements for room-air independent operation.

When installed room-air dependent 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. 20 m^3/h must be ensured.

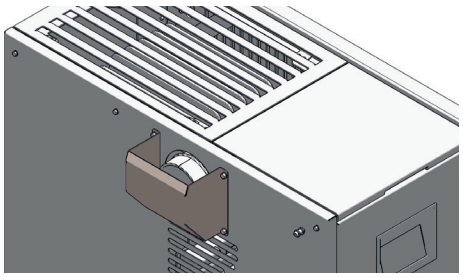
Please observe the respective local regulations and rules in consultation with your master chimney sweep. For changes after the printing of this manual, we can not assume any liability. We reserve the right to change without notice.

Convection air conduction

only for stoves with MULTIAIR

The MULTIAIR equipped stove is delivered with a cover on the convection air outlet to prevent direct heat to the wall.

example



Operation without this cover or without attached convection pipes is not allowed. If you do though no warranty and no liability is accepted for damage.

- The amount of air and temperature of one fan is designed to heat one additional room.
- Note the regional specific fire safety regulations and clarify the connection situation with the competent authority
- The max. temperature of the convection air is 180 °C at the air outlet.
- The convection air canal should be as short as possible.
- Keep the number of deflections as small as possible.

Note
Please pay attention to the national and country-specific building and fire regulations when connecting the convection air pipes. Installation and assembly must be performed by a trained specialist only.

5. INSTALLING THE STOVE

Note
Assembly may only be performed by authorised specialist companies.

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

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

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

Note
In case of room-air independent operation the stove pipe connections must be tightly sealed permanently. 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 a flue that is approved for solid fuels and is insensitive to moisture. The moisture insensitivity may vary if the flue calculation results in a dry operation. The chimney must have a diameter of min. 100 mm for pellet stoves and 130 mm -150 mm for log wood stoves depending on the diameter of the flue pipes.
- Avoid long flue pipes to the chimney. The horizontal length of the flue pipe should not exceed 1.5 metres.
- Avoid to many bends of the flue gas pipes. There should not be more than 3 bends in the exhaust pipe.
- 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 15 Pa.
- The derivation of the flue gases must be guaranteed even during a temporary power outage.

Note
If connecting to multiple connection chimneys and depending on country regulations, additional safety equipment is required. Your local chimney sweep will advise you in this case.

Note
Be sure to prevent condensed water from entering via the flue connection. For combination stoves, a condensate collection pipe must be used for ceiling connection or flue pipe connection at the top. Damages caused by condensate are excluded from manufacturer's warranty.

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.

Feeding in external combustion air

only for devices which are able to run in room-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.
- Connect at the air intake either a pipe Ø 125 mm for log wood and combi stoves, or Ø 50 mm or Ø 60 mm for pellet stoves. Fix it with a hose clamp (not included!). At pellet stoves with longer intake pipes than 1 m the diameter should be increased to 100 mm. (see RIKA range).
- To ensure sufficient air intake, the intake pipe should not exceed max. 4 metres and have max. 3 bends.
- If the line leads outside it must have a windbreak.
- In extreme cold pay attention to icing on 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.

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.

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. 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/log stove are convincing:

The range of operating modes leaves nothing to be desired. The automatic fuel detection means the operating mode can be changed at any time (simply add logs during pellet operation or ignite logs with the pellet burner).

Manually regulated currentless log operation is also possible. This ensures faultless operation even in the case of longer power cuts.

Operating comfort

The microprocessor-controlled combustion regulation optimises the interaction of flue gas blower, air flap position and screw using the current combustion chamber temperature. This guarantees optimum combustion and operating status in both pellet and log operation.

All function can be regulated centrally using the integrated touch display. 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.

The combination of temperature-controlled automatic air regulation and optimised wood retainer geometry enable combustion with minimum emissions at top efficiency in log operation.

Note
During operation, the flame noise, pellets dropping and actuation of the electronic components are audible due to the automatic control.

Note
Solid fuels like pellets and logs that can cause a fogging of the door glass during the combustion, particularly with the very fine ash from wood pellets.
By external influences such as chimney draft or pellet quality this coating can be very bright or dark black (especially with low power). This is a natural process and is not a shortage.

We therefore recommend regular cleaning of the door glass, just because soot is an excellent insulator and thus the heat dissipation can be reduced.

If the stove is heated according to its function in the combined operation, a significant improvement can be achieved due to the higher temperatures in log wood mode.

DAR - Dynamic Air Regulation

A differential pressure sensor in the supply air system measures the air flow. The fan speed is adjusted automatically and guarantees optimum combustion.

The air pipe of an external supply air pipe can also be monitored in this way.

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.

Flue gas flap

If faultless operation is no longer ensured due to a component defect or power cut, the fluegas flap is opened. The flue gas flows directly in the chimney. This ensures a safe burning off of the fuel in the combustion chamber.

Note
Be sure to close the flue gas flap for a proper, automatic function of the log mode.

Note
Check with every maintenance / cleaning the correct operation of the flue flaps.

Automatic cleaning cycle

The speed of the flue gas fan is increased every hour for a short period to blow ash from the burn pot, increasing the operational safety. The status indicator CLEANING appears on the display.

Every 5 hours (interval adjustable) an additionally automatic cleaning cycle is performed. The stove stops, the automatic cleaning tilts the grid and then re-ignites the stove. The status indicator CLEANING appears on the display continuously. The cleaning procedure with tilting the grid is to convey ash and clinker from the burn pot into the ash drawer.

Note
At runtime of the cleaning cycle occures a noise due to the turning grid (stove start or big cleaning).

Note
This additional function does not replace a manual cleaning as described in CLEANING and MAINTENANCE, as this is absolutely necessary to do regularly.

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 MANUAL TOUCH DISPLAY).

Auger motor monitoring

Too long or wet pellets as well as pellets with too high dust content (see BRIEF INFORMATION ON FUEL PELLETS) can cause so-called “auger jammers” in the auger channel. This may also happen if the pellets accumulate in the burn pot and the backlog reaches into the chute. The auger motor reacts in both cases with an increased current consumption, which causes the error message: INSERTION MOTOR JAMMED. The stove will be stopped. Please call the customer service immediately.

7. 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 ENplus standard sets 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	3,15–40[3)]
Buld density	kg/m³	≥ 600
Calorific value	MJ/kg	≥ 16,5
Water content	Ma.-%	≤ 10
Fine fraction (< 3,15 mm)	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)

Your pellet stove is only approved for the burning of pellets of tested quality. Please ask your pellet stove dealer for tested fuel and a list of monitored fuel manufacturers.

Note
Only burn pellets that have been inspected according to ENplus - A1. 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.

Note
Burning straw, maize, woodchips etc. is not permitted! Observe waste incineration legislation! Non-observance of these regulations makes void all warranty and guarantee claims and may impair the safety of the unit!

Pellet container refilling during operation

Note
CAUTION when filling! Avoid direct contact between the plastic bag and the hot stove. Immediately remove all pellets that have fallen on the hot stove or next to the container!

We recommend always having a suitable amount of pellets in the container to prevent the fire from extinguishing due to a lack of fuel. Check the level frequently. However the container lid should be kept closed, except during filling.

If you refill the container during operation (open the container lid), the fan will speed up and the pellet auger will stop; operation will only be continued once the container lid is closed again.

Pellet container capacity: (see TECHNICAL DATA)

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.

8. BRIEF INFORMATION ON COMBUSTIBLE - LOGS

Suitable fuels and fuel amounts

Your stove is generally suitable for burning dry firewood. You can also burn combustibles such as wood briquettes.

Note
A stove is not a waste incinerator. The warranty lapses if waste or non-approved materials such as plastic, treated wood (chipboard), coals or clothes are burnt! This leads to damage to the stove and chimney and to environmental pollution!

Note
FUEL AMOUNTS
The stove is fitted with a construction-specific flat firebox. This means only one layer of logs may be laid on the base embers.
Please observe that adding greater quantities of logs leads to emission of high temperatures, higher than the stove is designed for. This may cause damage to your stove. This is reflected in particular on the glass of the combustion chamber door, which will get a gray haze in case of overheating the stove, which can not be removed.

Wood types

Different types of wood have different calorific values. Wood from deciduous trees is particularly suitable. It burns with a constant flame and forms long-lasting embers. Coniferous wood has higher levels of resin and burns off faster as do all softwoods and tends to spray sparks.

Wood type	Calorific value kWh/m³	Calorific value kWh/kg
Maple	1900	4,1
Birch	1900	4,3
Beech	2100	4,2
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

Output controlling

The output of your stove is regulated manually or via the Rikatronic-control. Please observe that the output of your stove also depends on the chimney draught and the amount of fuel added.

Clean combustion

1. The firewood must be dry and untreated.

The should-be value is between 14 % and 18 % relative wood moisture.

Wood has to be stored dry and ventilated for 2–3 years.

2. Correct firewood amount and size:

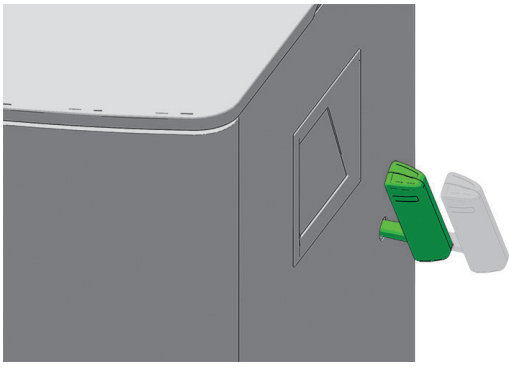
- Too much firewood leads to overheating. This can damage your stove and increases the exhaust emission values.
- If you take too little firewood or if the logs you place are too large the stove will not reach the optimum operating temperature. The flue gas values also increase in this case.
- For right quantity of firewood see AMOUNT OF FUEL.

9. FLUE GAS FLAP

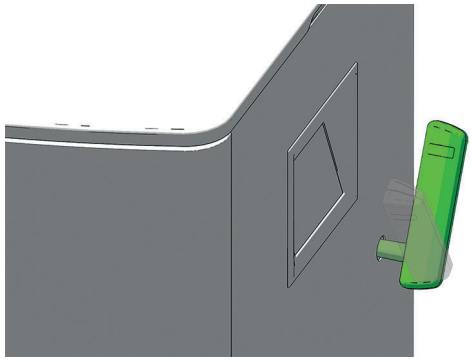
Start of operation

Once the stove has been reconnected to the mains you see the following warning on the display.

Insert the handle of the flue gas flap into the stove.



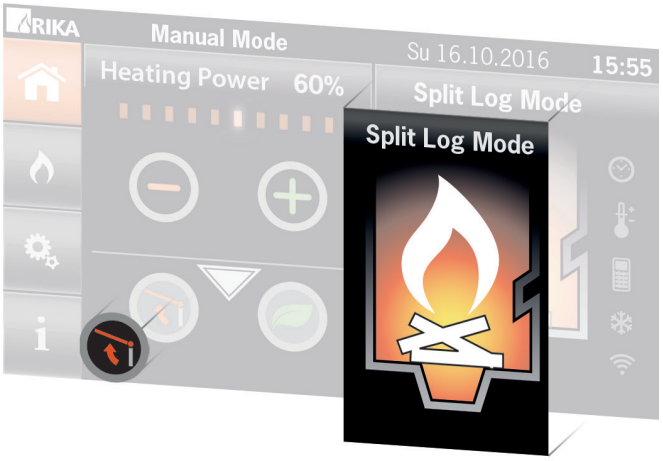
The handle must then be shifted clockwise to close the flap.



Your stove is now ready for operation.

Easy-refilling operation

In order to reduce the discharge of fluegas when refilling logs there is a easy-refilling operation available.



unhide additional functions	hide additional functions
Open the fluegas flap	

Wait about 3 seconds before you open the combustion chamber door to refuel.

After closing the combustion chamber door, turn the wrench clockwise to close the fluegasflap.

Tip
If the flue gas flap is open, a warning appears on the display. It expires when you close the flue gas flap.

Note
Pellet operation is not possible with an opened flue gas flap.

EN

10. ASSEMBLY/DISMANTLING STONE

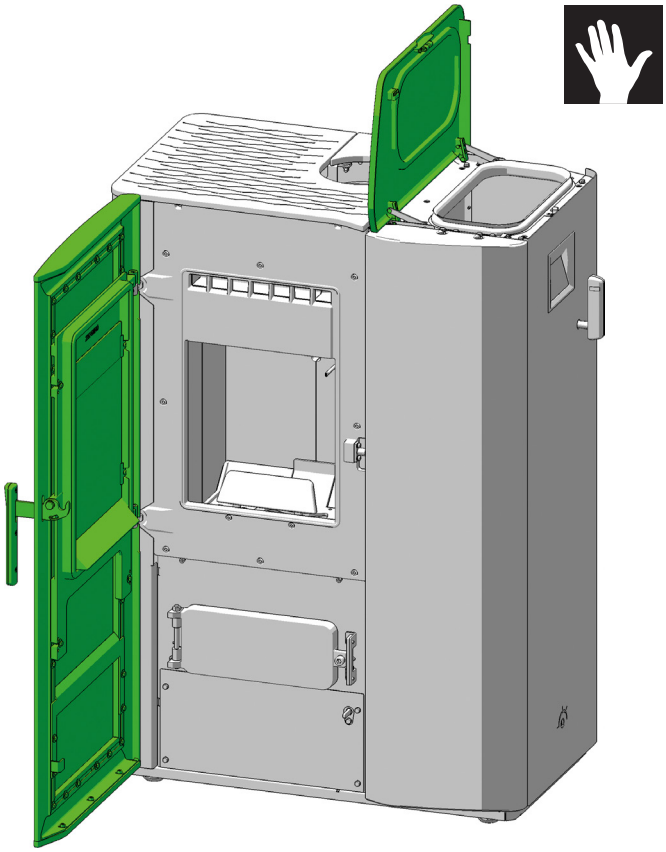
Note
Only work on the unit when the mains plug has been disconnected and the stove has cooled completely.

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.

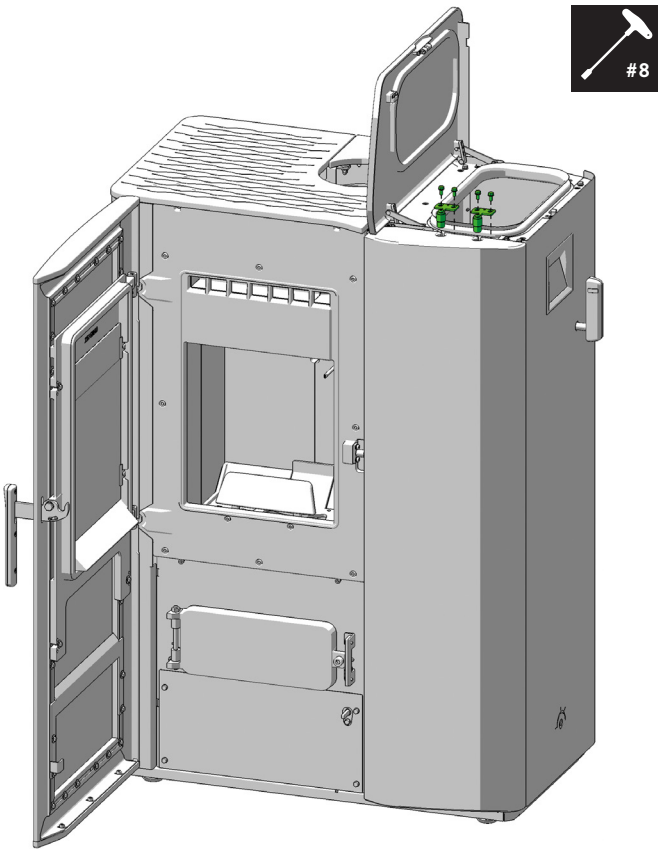
Note
During any conversion work, take particular care of your fingers and any panels and stove attachments.
Select soft bases to prevent scratches to your living space furniture and stove panels.

Dismantling stone

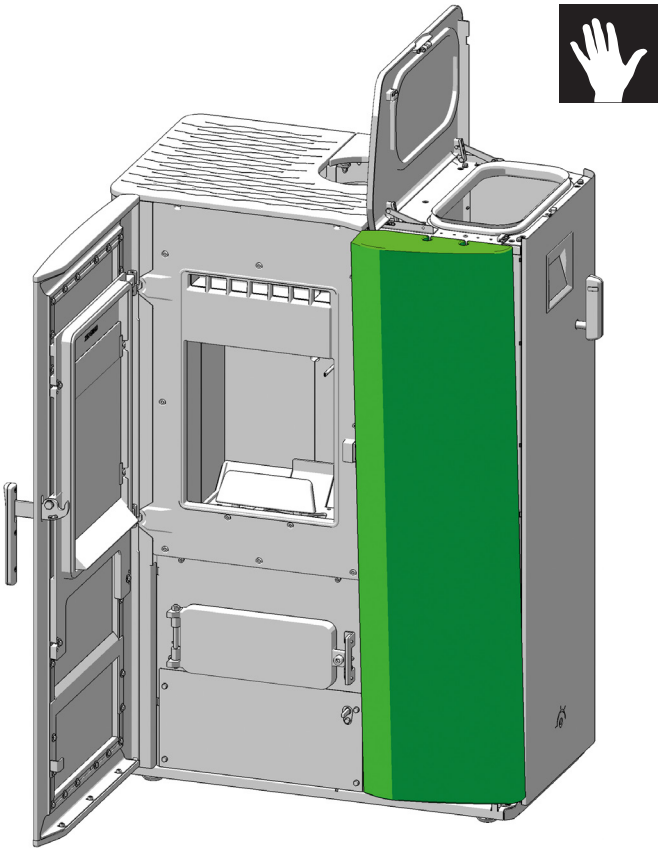
Open the container lid to the stop, it remains open in this position. Open the door of the combustion chamber.



Open the 4 hex head bolts and remove the two stone holders.



Tip the stone slightly forwards and lift it out of the floor bracing. Pay attention to the edges of the stone to prevent damage. Place the stone on a suitable base.

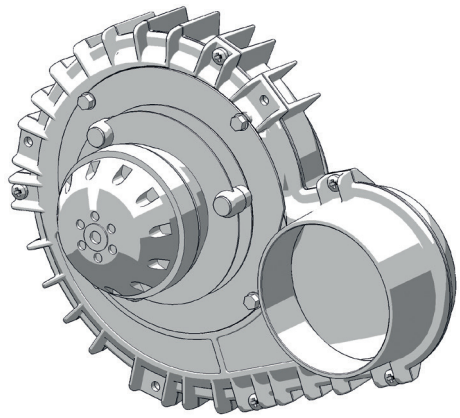


Re-assemble the parts in reverse order.

11. ASSEMBLY OPTION RIKA MULTIAIR

Scope of Delivery E17011

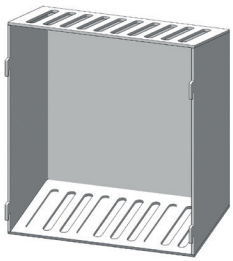
B17527 Convection fan complete



3x N112040 Duo Taptite

4x N103657 Cable tie

L04104 Motor cover



EN

General information

- The convection air amount and temperature is designed for heating one or, if two fans are installed, two additional rooms.
- Note the regional specific fire safety regulations and clarify the connection situation with the competent authority.
- The max. temperature of the convection air is 180° C at the air outlet.
- The convection air duct should be as short as possible.
- Keep the number of deflections as small as possible.

Note
Please pay attention to the national and country-specific building and fire regulations when connecting the convection air pipes. Installation and assembly must be performed by a trained specialist only.

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

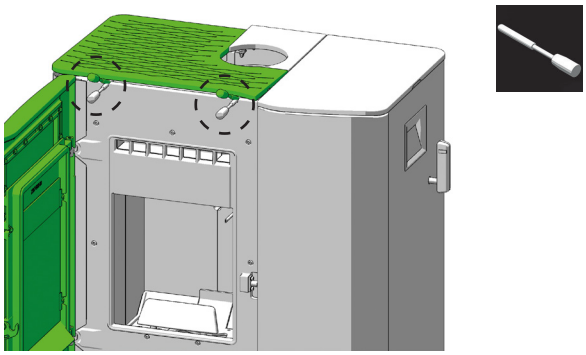
Note
During assembly / dismantling do not allow objects (screws etc.) to fall into the pellet container – they can block the screw conveyor and damage the stove.

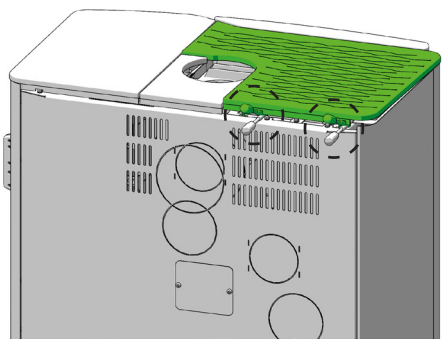
Note
During any conversion work, take particular care of your fingers and any panels and stove attachments. Select soft bases to prevent scratches to your living space furniture and stove panels.

Mounting Convection Fan

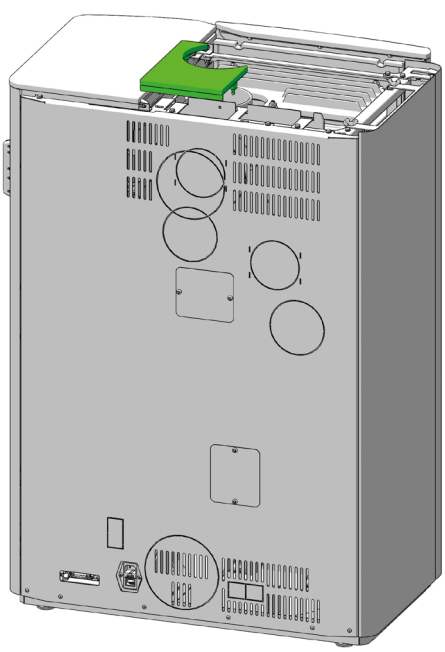
Prepare the following at the stove:

Open the door of the combustion chamber and loosen the convection cover using the lifting aid.

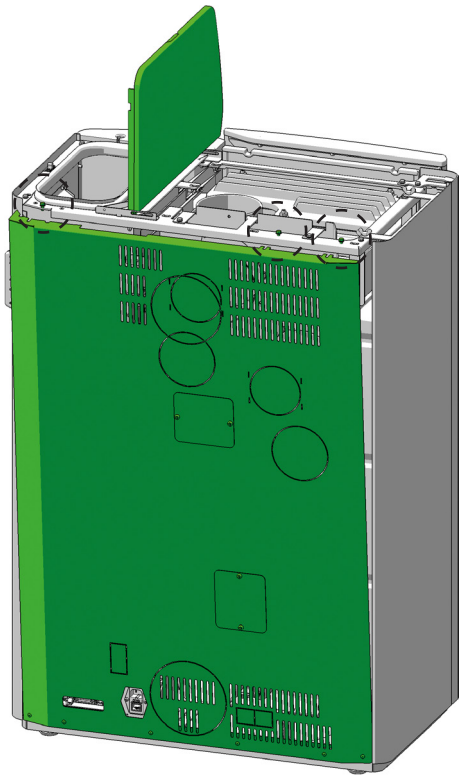




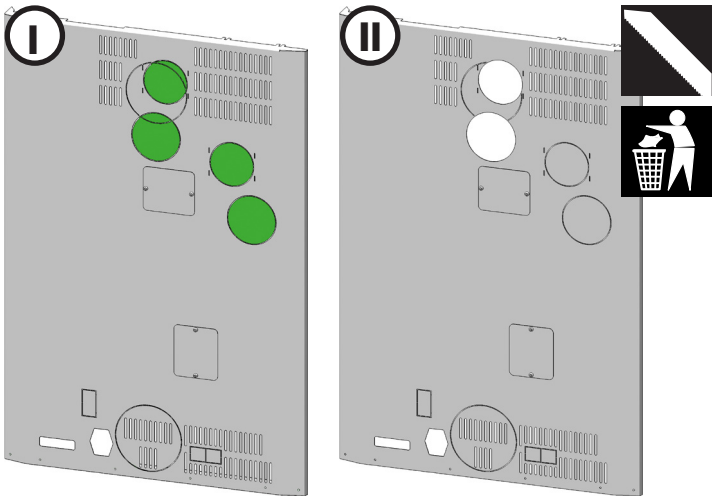
Lift the cover straight up.



Open the container lid. Loosen the 3 hexagonal screws on the rear panel. The rear panel tilts backwards. Disconnect the earthing cable. You can then lift it upwards.

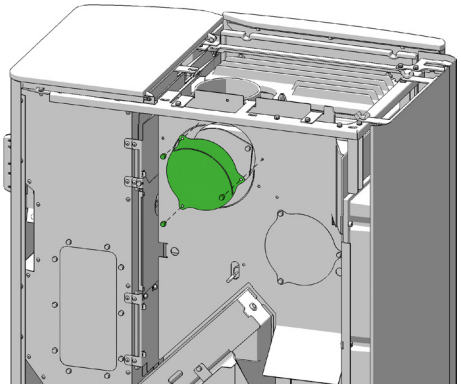


Depending on the desired option cut off the two upper markers for one fan, for the second fan in addition the two bottom markers.

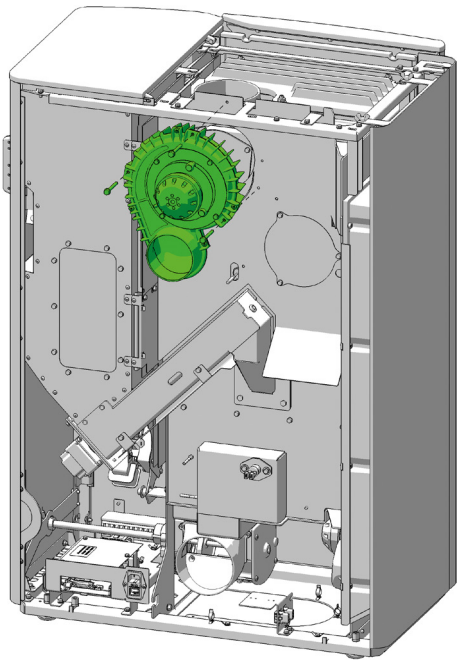


Note
The following steps are identical if you install a second convection fan.

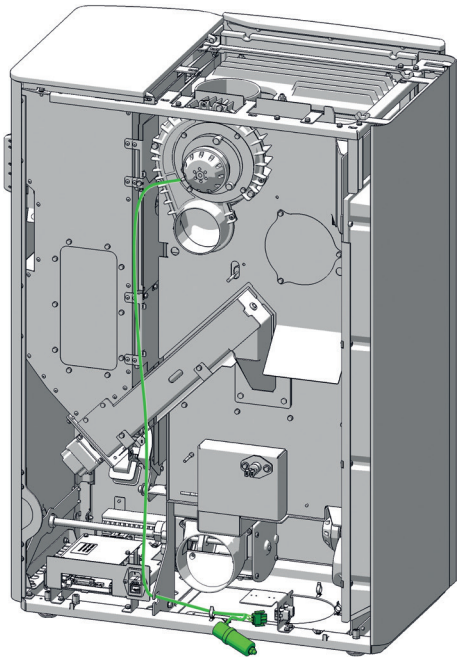
Loosen the 3 hexagonal screws and remove the sheet covering.



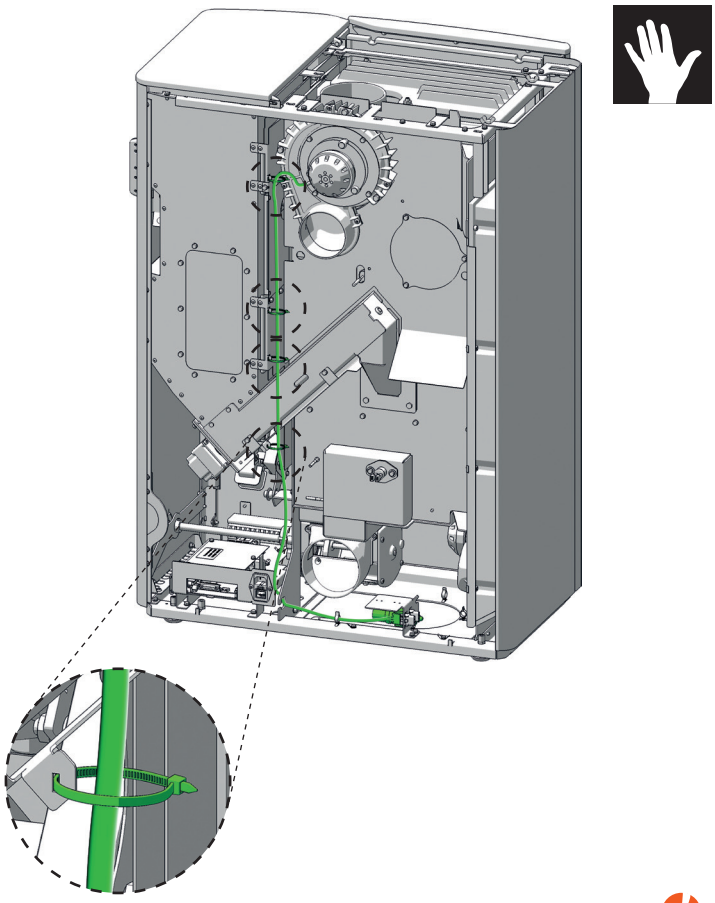
Screw the B17527 MULTIAIR fan on using the 3 Duo Taptite N112040 hexagonal screws.



Run the MULTIAIR fan cable vertically downwards and then further along the base plate in the direction of the designated slots.



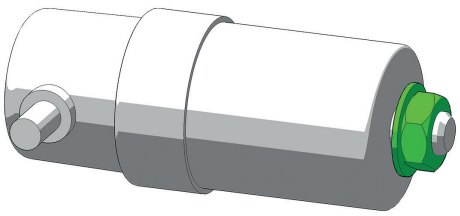
Now fix the cable of the MULTIAIR blower with the cable ties supplied.



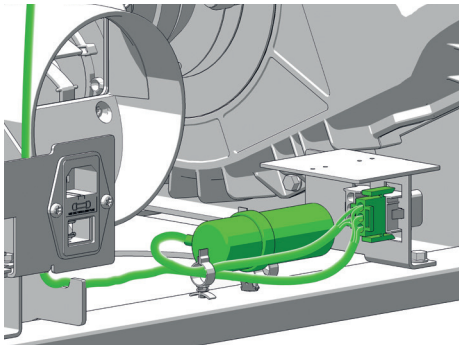
Note
All cables must be protected from heat. Improper installation can damage your stove and void your warranty.

Attach the capacitor to the free slot provided. The toothed lock washer must be between the fastening plate and the hexagon nut.

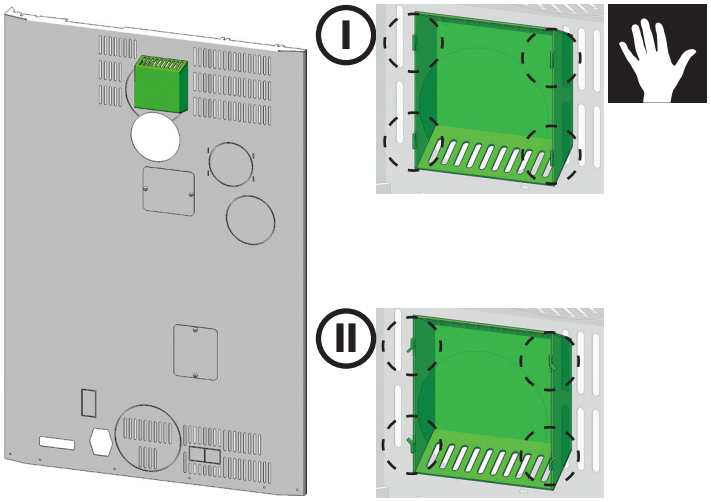
Turn the hexagon nut to the end of the threaded rod. The fastening positions are keyholes.



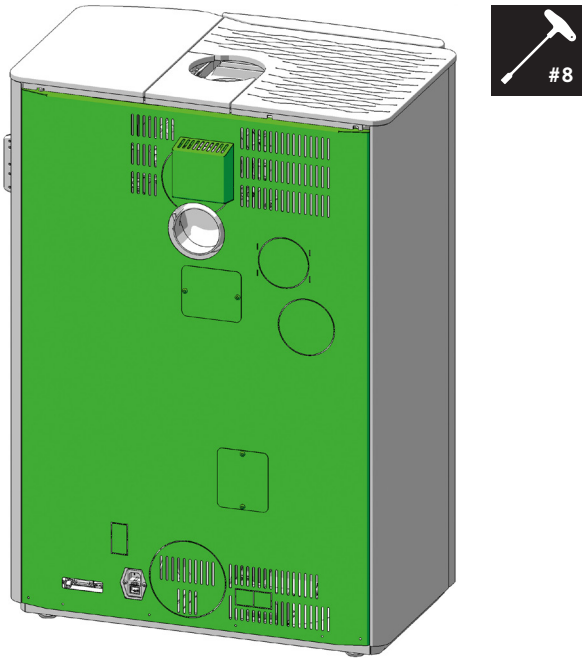
Next to it are the three pin connector **M3** for the upper **MULTIAIR fan 1** and the plug **M4** for the lower **MULTIAIR fan 2**. Insert the correct cable and re-route all cables and plugs.



It is mandatory to attach the motor cover L 04104 on the rear wall. This is hooked in and secured by bending the retaining straps.



Install the rear walls of the stove.



Note
Operation without a motor cover and without air duct is not allowed for security reasons. Disregard voids your warranty and no liability is accepted for damage.

Function test and settings

Connect the power cord back in and select the **Setup menu /** submenu **Service.** Perform a relais test to check the correct function of the Multi Air fan.

Select the **Setup menu /**submenu **MultiAir fan.** Switch the **MultiAir 1** to **ON** and you will get access to fan speed and fan adaptation.

Fan level
The volume of convection air is adjustable from AUTO (adapts automatically according to heating power), over to Level 1 (min) and level 5 (max).

Fan area
In addition, it is possible to adapt the Multi Air fan speed (AUTO, level 1 to level 5) within +/- 30% of fan speed.

12. COMFORT OPTIONS

Room sensor, Radio room sensor

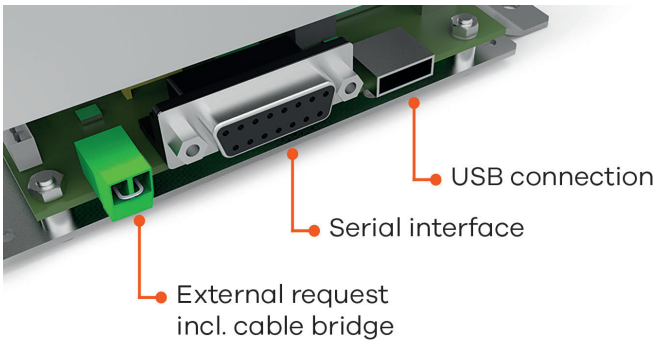
This option permits control of your stove via room temperature. You can set both the room temperature and the heating times required. A room temperature selected by you is observed during the heating times.

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

Interface for various options

for various options

The ROOM SENSOR and the WIRELESS ROOM SENSOR are to be connected to the interface (stove rear) using the connection cable supplied.



(condition as delivered)

External request

- Low-pressure controller* for multiple occupancy (e.g. BROKO - ON by default, see Settings)
- External room thermostat*, Rotary controller* (in conjunction with MULTIAIR)
- Contactor (e.g. exhaust hood)*

* remove cable bridge and connect a 2-pin cable with a section between 0.5 and 0.75mm² instead.

It will take approximately 1 minutes for your stove to shut down after receiving an external shut-down request.

Note
Operation is not possible unless either the cable bridge, or an external request (e.g. an external room thermostat) are connected. The external request has priority over all operating modes (MANUAL / AUTOMATIC / COMFORT).

Serial interface

- RIKA room sensor/ RIKA radio room sensor (available on request)
- RIKA GSM Control (available on request)

USB connection

- RIKA FIRENET (available on request)

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

If the control of your stove is to be assumed by an external room thermostat, you have to connect your external room thermostat (1) instead of the standard integrated cable bridge (2).

The connected room thermostat can be operated in either MANUAL or AUTOMATIC MODE. In both MODES, the current set heat output is used, in AUTOMATIC MODE the heating times set at the stove can also be activated.

You can see whether the external demand is currently activated in the INFO main menu in submenu item Info - inputs.

If your stove receives an external demand to stop operation, it takes approx. 5 minutes until it switches off. All further settings required to your thermostat can be taken from the respective room thermostat operating instructions.

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 (MANUAL/AUTOMATIC/COMFORT).

Option RIKA FIRENET 2nd Generation

Only for combination and pellet stoves with touch panel version V2.29 or higher.

The FIRENET module connects your stove to the Internet. You can operate the stove with any Internet-enabled device (tablet, PC, Smartphone ...). So you retrieve the operational status, various information and make your settings remotely.

For further information, please contact your dealer.

RIKA VOICE

for combi and pellet stoves with touch display, version V2.26 or above, only and in combination with the RIKA Firenet module and Amazon Alexa

RIKA VOICE allows you to control your RIKA stove by simply speaking to it. Power on or off, switching between modes or adjusting the preferred heat output or room temperature: a few words is all it takes!

More detailed information could be obtained at **www.rika.at** or from your dealer.

13. MAINTENANCE

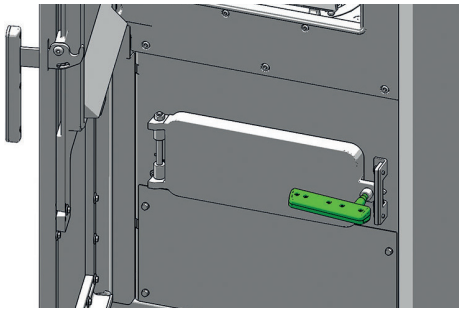
The frequency with which the stove requires cleaning and the maintenance intervals depend on the fuel you use. High moisture content, ash, dust and chips may more than double the maintenance required. We would like to again point out that only tested and recommended pellets or dry logs may be used as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

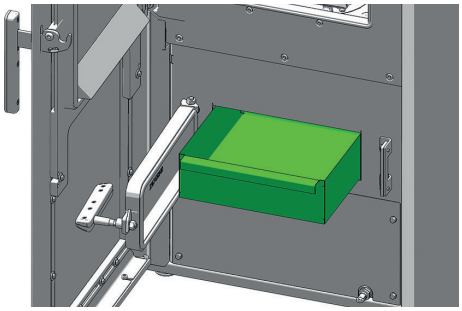
Note
Ash may contain embers – only place ash in sheet steel containers. FIRE RISK! In a cold state, dispose it of in the household waste.

Note
We recommend at least once a year to have all maintenance carried out by your RIKA dealer.

Empty the ash drawer

Open the ash-chamber door with the included key and empty the ash drawer regularly. The ash drawer is simply pulled forward.





Checking the door contact

(Only for models with Rikatronic)

Check that the door contact switch is working at regular intervals.

Press the door contact several times with your hand to prevent it from sticking.

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). This is a natural process and does not constitute a defect. The glass can be cleaned best with a moist cloth. Stubborn dirt can be removed with a special cleaner available from your stove dealer. Usual cleaners containing acid or solvents can be too harsh and damage the glass.

Cleaning of painted surfaces

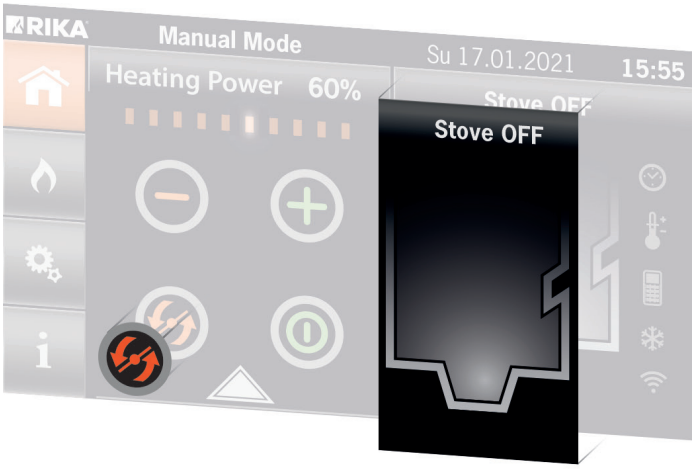
Wipe of the painted surfaces with a damp cloth, do not scrub. Do not use solvent-containing cleaners.

Cleaning the fire trough

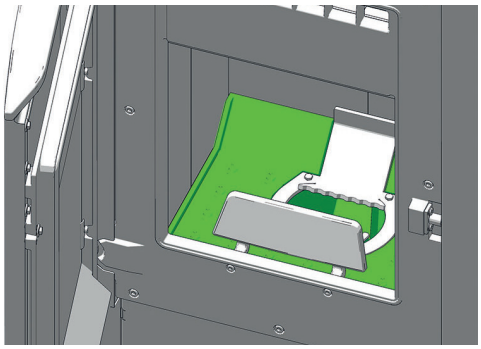
weekly

Despite the automatic ash dumping prior to and during heating operation you have to remove ash or clinker from the combustion chamber, from the fire trough and the turning grid regularly.

Use the cleaning function to put the grid vertical.



Remove the clinker using the brush supplied and sweep the ashes with a broom in the ash tray. Vacuum out the fire trough.



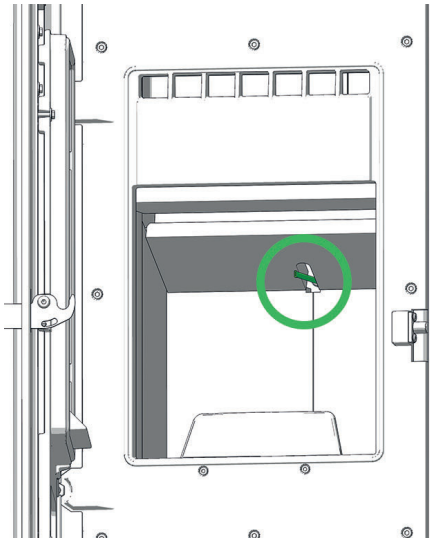
Do not damage the ignition when cleaning with the brush. Vacuum out the pipe of the ignition.

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

Note
To prevent "clinker formation" it is advisable to operate the stove sometimes on higher power level, or according to its combination function the operation with logs.

Cleaning the flame temperature sensor

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



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14. CLEANING

Depending on pellet consumption, a message prompting cleaning of the stove appears on the display in regular intervals. This message can be acknowledged on the Touch Display, while continuing operation. Perform a cleaning cycle at the next opportunity.

Subsequently, reset the counter in the **SETTINGS** menu / **RESETS** submenu, as per operating instructions of TOUCH DISPLAY.

Tip
The message will only stop reappearing once you have reset the feed volume in the SETTINGS / RESETS menu.

Note
Your stove must be switched off and cooled before any cleaning work is performed. Only work on the unit when the mains plug has been disconnected.

Cleaning the convection air openings

Vacuum clean any dust deposits from the convection air openings at regular intervals.

The stove should be cleaned thoroughly prior to the start of the heating season to prevent excess odour.

Note
To prevent your stove from overheating of the internal components, do never cover the convection fins!

Combustion air - intake

If necessary, please also clean the air intake with a hoover.

Note
Only when the stove is cold! You could vacuum out embers – FIRE RISK!

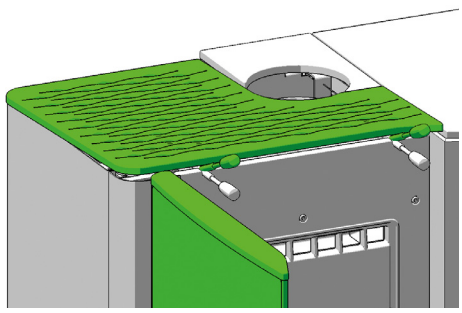
Cleaning the pellet container

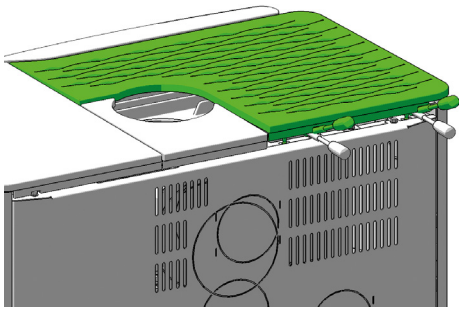
Do not refill the completely empty container immediately; remove the residues (dust, chippings etc.) from the empty container. The unit must be disconnected from the mains!

Cleaning flue pipes PARO and PARO MULTIAIR

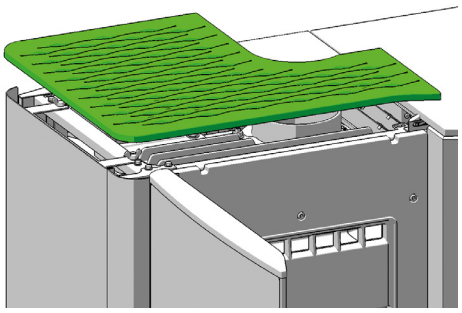
The flues are lateral the combustion chamber.

Open the door of the combustion chamber and loosen the convection cover using the lifting aid.

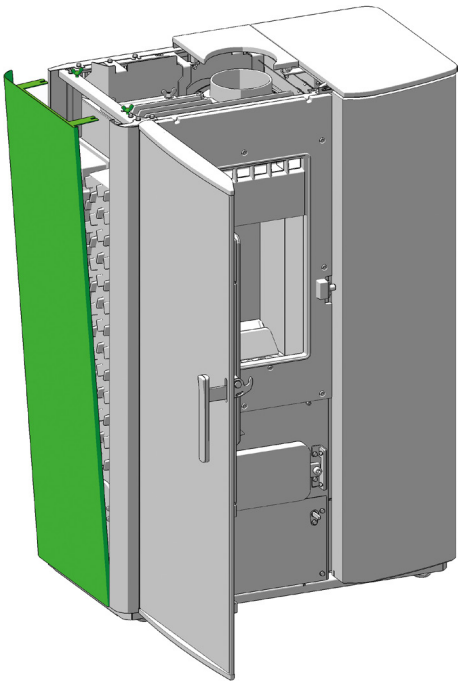




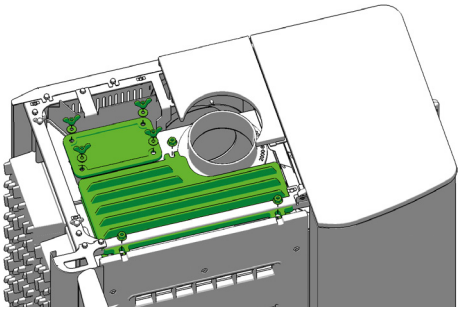
Lift the convection cover straight up.



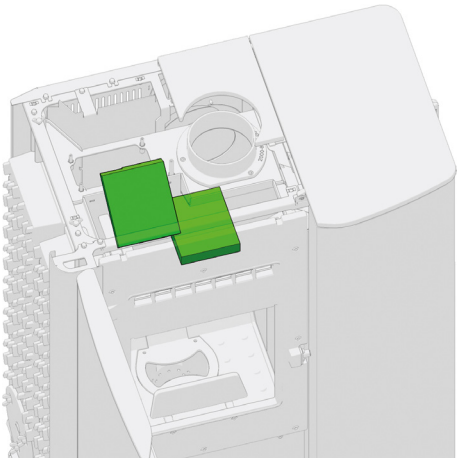
Now loosen the wing screws and remove the side panel.



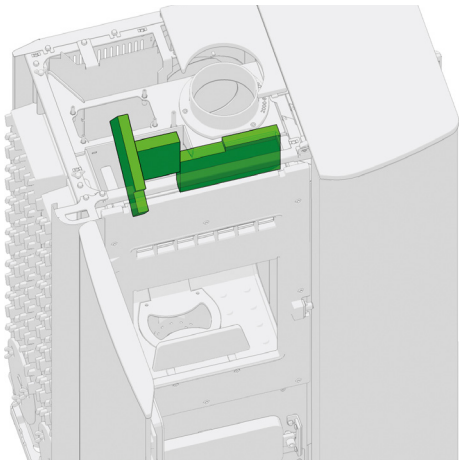
Remove the two cleaning lids.



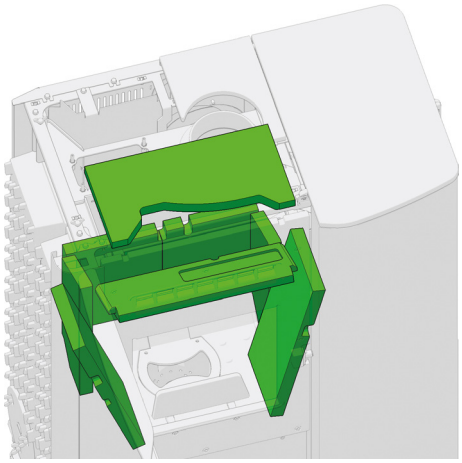
Lift the top baffle plate up.



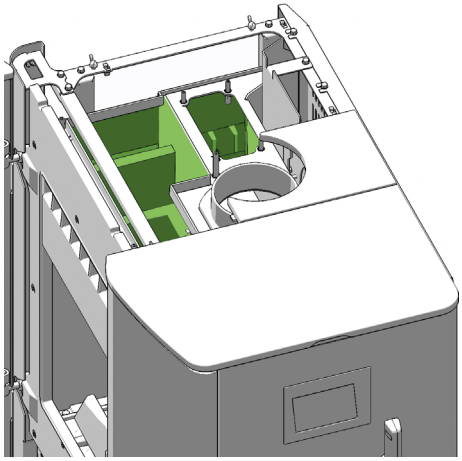
Remove the other baffle plates and the combustion chamber lining. Vacuum out the combustion residues in the baffle area.



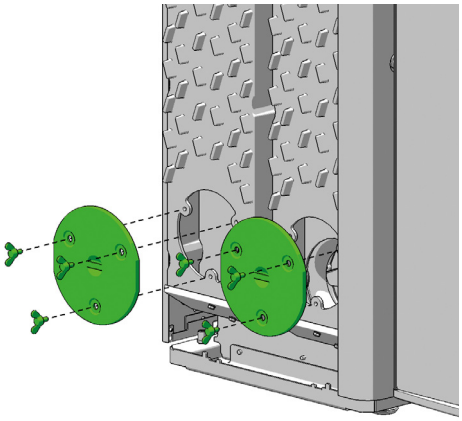
Remove the other baffle plates and the combustion chamber lining. Vacuum out the combustion residues in the combustion chamber.



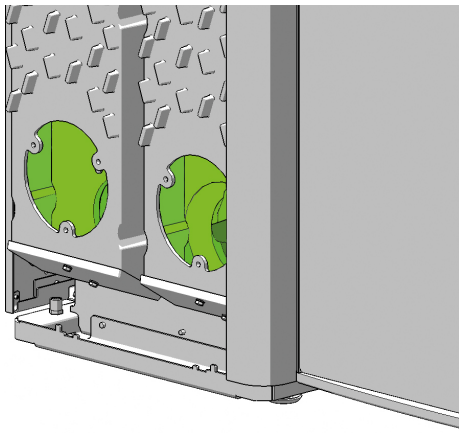
Clean the side flues and flue gas ducts with the brush supplied.



Remove the two cleaning lids.



Vacuum the combustion residues off the flue gas duct, especially the areas to the case of the fan.



Install the removed parts in reverse order again.

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. DANGER of FIRE!
To ensure the proper operation of your combination stove, replace the defect (porous, frayed) seals after cleaning and maintenance.

Cleaning the flue gas channels

annually

Remove the flue pipes. Inspect and clean chimney connection. Brush off any soot and dust deposits in the fire and in the flue pipes and vacuum.

Note
Accumulated fly ash in the flue gas channels may impair the performance of the stove and pose a safety risk.

Checking door seal

annually

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

Note
Only intact seals ensure your stove works perfectly.

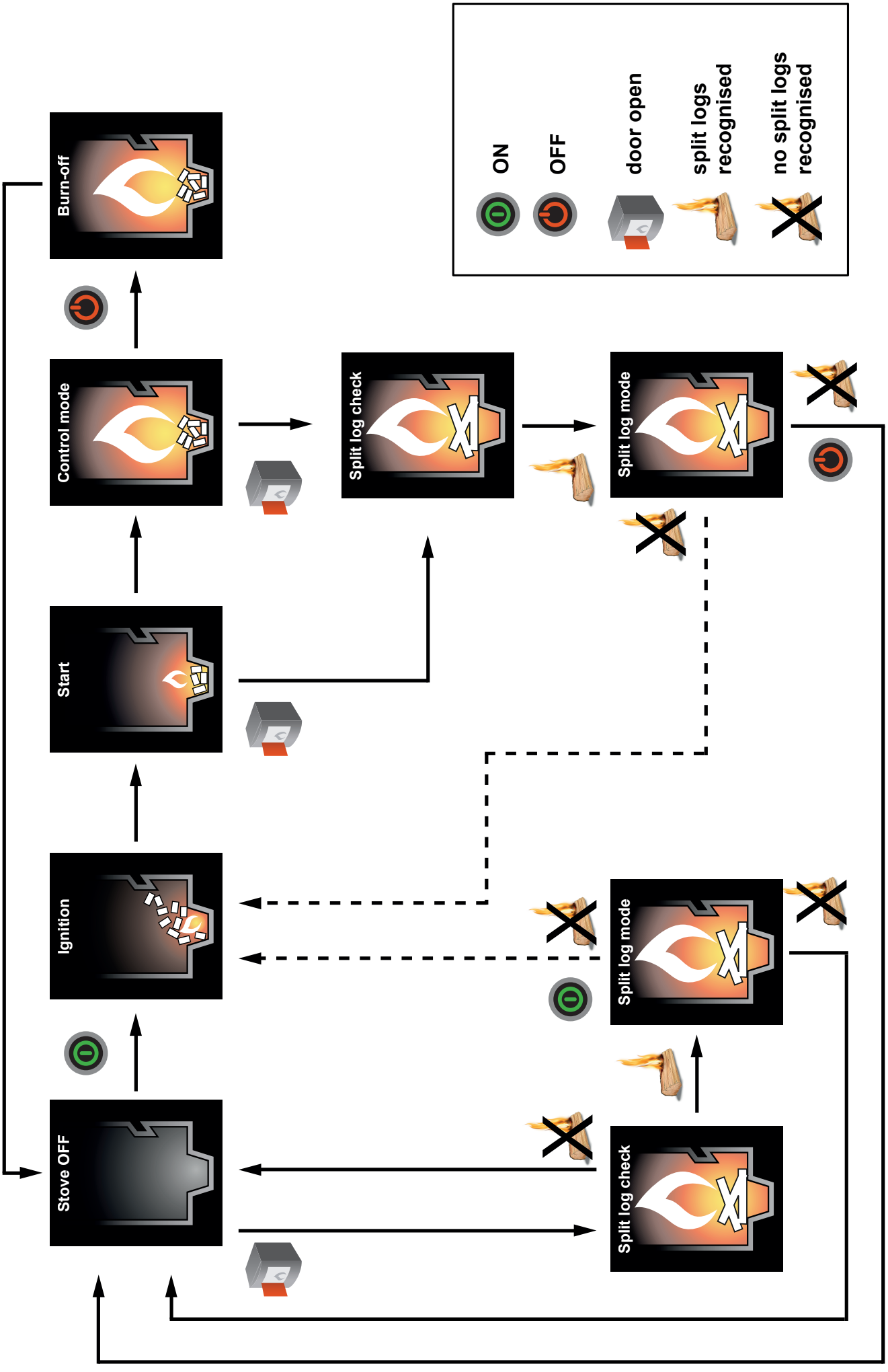
Bearings

annually

All built in bearings (pellet screw, turning grid) should be checked. Clean or replace bearings depending on condition.

EN

15. FLOW DIAGRAM PELLET - LOG OPERATION



16. PROBLEMS - POSSIBLE SOLUTIONS

Problem 1

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

Cause(s) pellet operation

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

Cause(s) log operation

- Poor chimney draught
- Too much fuel
- Damp wood
- Incorrect heating up
- Stove is sooted over inside

Possible solutions pellet operation

- 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.
- Every glass plate must be cleaned from time to time (depending on use) with glass cleaner.

Possible solutions log operation

- Use dry wood and correct fuel amounts (see BRIEF INFORMATION ON FUEL - LOGS)

Problem 2

Stove smells strongly and / or fumes are emitted

Cause(s) pellet / log operation

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

Possible solutions pellet / log operation

- 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) pellet / log operation

- Flue gas flap is not open for refueling
- Combustion chamber door opened too fast
- Too much ash in combustion chamber
- Adding logs to snappy
- Chimney draught too low
- Flue pipe connection leaks
- Logs combustion still running (visible flame)
- Inspection openings leak

Possible solutions pellet / log operation

- Open the flue gas flap for refueling
- open the combustion chamber door moderate
- regular cleaning of combustion chamber (vacuum)
- Adding logs carefully
- Check chimney
- Check connections and if necessary re-seal
- Add logs after flame is gone (display: „please add logs“)
- Check seals and replace (fire door, plaster cover, ..)

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 touch display.

EN

17. 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, 4563 Micheldorf, Austria.

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 100 mm for pellet stove, and of 130 mm / 150 mm for the combi stove, 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 noise arises 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

Note
We recommend at least once a year to have all maintenance carried out by your RIKA dealer.

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

COMMISSIONING REPORT
for RIKA pellet and combi stoves.
Dated 11/2021

EN

Installation address

Surname, forename

Street, number

Post-code, city

E-mail, phone

RIKA retailer

Retailer stamp

Device data

Device type

Serial number

Cladding undamaged? ☐ YES ☐ NO

Software version

Display version

Year of production

Electrical peripherals

Connection socket grounded ☐

GSM modem ☐ Function checked ☐

Room thermostat ☐ Model

Phone provider

FIRENET ☐ Model

Inspection of system and safety components

Smooth operation of flues gas flap checked (combi stove) ☐

Smooth operation of backfire safety flap checked (combi stove) ☐

Differential pressure sensor (building) ☐ YES ☐ NO

Fire alarm in place? ☐ YES ☐ NO

Fire-proof floor covering in place? ☐ YES ☐ NO

Other

Installation

Proper installation according to installation and user manuals ☐ YES ☐ NO

Comments

Room height

Room ventilation ☐ YES ☐ NO

Exhaust hood (outdoor connection) ☐ YES ☐ NO

WC extraction ☐ YES ☐ NO

Central vacuum cleaning system ☐ YES ☐ NO

ATTENTION:
Compliance with national regulations and laws as well as locally applicable rules and regulations is within the responsibility of the specialist contractor commissioned with installation.

Flue gas line/chimney

Chimney type ☐ BRICKS ☐ STAINLESS STEEL ☐ FIRECLAY

Chimney diameter

Chimney height

Chimney – approved by inspection authority? ☐ YES ☐ NO

Chimney system ☐ INDOOR ☐ OUTDOOR

Above sea level

Number of deflector plates

Length of smoke pipes

Smoke pipes in connection system ☐ WITH ☐ WITHOUT SEALING LIP

Plaster openings ☐ YES ☐ NO

Chimney draft (full load)

Outside temperature

Independently of room air ☐ YES ☐ NO

Device functions

Relay testing (component testing) ☐

Door/bricks/cladding checked and adjusted(function/gaps) ☐

Initial user instruction

Pellet quality explained (env. standard/DIN plus/ENplus-A1) ☐

Device function/control explained ☐

Cleaning & maintenance interval, maintenance checklist explained ☐

Maintenance contract ☐ YES ☐ NO

Guarantee conditions described ☐

Warranty conditions explained ☐

Soot brush ☐ Door opener ☐ Thermal gloves ☐

Care and maintenance log ☐ available and handed over to the user

Pictures made of ACTUAL condition ☐

User manual, warning and safety information explained ☐

Stove taken into operation with the client ☐

Stove switched off and handed over ☐

RIKA Innovative Ofentechnik, 4563 Micheldorf, Müllerviertel 20, Austria, hereby confirms that the provided personal data is exclusively used for in-house purposes, processing and recording. The client confirms the reception of correct and clear instructions. Our general terms and conditions shall apply.

☐ I consent to the collection, saving and use of my personal data (name, address, e-mail) by RIKA Innovative Ofentechnik GmbH for marketing and information purposes. This consent can be withdrawn at any time and without any charge and formless under marketing@rika.at.

User signature

Place, date

Signature & stamp of commissioning technician

ORIGINAL - REMAINS WITH CLIENT

18. GUARANTEE CONDITIONS

We recommend having the installation performed by a RIKA-certified technician.

These guarantee conditions only apply for the European mainland. For all other countries, the separate conditions of the importer in the respective country apply. In cases of doubt, or in the case of missing or incorrect translations, the German version is always the sole valid version.

In the interest of ensuring damage limitation in good time, the guarantee claim should be sent in writing to the RIKA specialist or contract dealer.

In this event, the following documents must be presented:

- Written reason for complaint
- Invoice
- Commissioning record
- Model name and serial number

RIKA GUARANTEE

5 YEARS

on the welded stove body.
Up to 5 years or 10,000 kg of consumed pellets for pellet stoves.

The RIKA guarantee is a commercial or manufacturer's guarantee (subject to certain exceptions).

This relates exclusively to defects in the material and processing, and to the supply of replacement parts free of charge. Working hours and travel times are not covered by the manufacturer's guarantee.

The guarantee is conditional on the following:

- Only original parts supplied by the manufacturer must be used.
- Professional installation of the stove in compliance with the respective operating manual valid at the time of purchase.
- The stove must be connected by a professional certified for that type of stove.
- The commissioning is performed by a RIKA-certified technician.

If these points are not complied with, the guarantee claim is void!

Any costs incurred by the manufacturer as a result of an unjustified guarantee claim will be charged back to the claimant. Likewise excluded from the guarantee is any damage resulting from or caused by non-compliance with the manufacturer's instructions for operating the appliance, e.g. overheating, use of non-approved fuels, unprofessional interference with the appliance or the flue pipe, a flue suction that is incorrectly adjusted to the appliance or is insufficient or too strong, condensation water, non-performance of or inadequate maintenance or cleaning, non-compliance with the applicable building regulations, improper operation by the operator or third parties, transport and handling damage.

STATUTORY WARRANTY PROVISIONS REMAIN UNAFFECTED BY THE GUARANTEE!

19. WARRANTY CONDITIONS

As a consumer, you are entitled to the warranty, which covers any defects at the time of delivery. The warranty is two (2) years from the date of delivery of the stove.

See the respective general terms and conditions of business and warranty conditions of the RIKA dealer.

The warranty does not cover:

1. Wearing parts (normal wear and tear not resulting from a defect)
2. Parts in contact with fire, e.g. glass, combustion troughs, grates, baffle plates, deflectors, combustion chamber cladding (e.g. refractory clay), ceramics, ignition elements, sensors, combustion chamber sensors and temperature monitors
3. Paint, surface coatings (e.g. handles, cover panels)
4. Seals
5. Natural stone, thermal stone, etc.

valid from: 01.07.2023

20. DISPOSAL INFORMATION

RIKA Innovative Ofentechnik GmbH is ensuring that its products are eco-friendly throughout the product life cycle. This is why our commitment for electronic products goes beyond the end of their product life cycle.

Note
For proper disposal of the device, we recommend contacting a local waste disposal company.

Note
Please contact your RIKA specialist dealer for professional disassembly/dismantling of the device.

Note
We recommend that you remove the parts that come into contact with the fire, such as glass, fire trough, grates, draught plates, baffle plates, combustion chamber linings (e.g. fireclay), ceramics, ignition elements, sensors, combustion chamber sensors and temperature monitors and dispose of them in the household waste.

Information on the individual components of the device

- **Electrical or electronic components:** Remove the electrical or electronic components from the device by disassembling them. These components must not be disposed of in the residual waste. Proper disposal should be carried out via the waste electrical equipment take-back system.
- **Fireclay in the combustion chamber:** Remove fireclay components that have been installed in the combustion chamber from the appliance. If present, fastening elements must be removed beforehand. Fireclay components that come into contact with the fire or flue gas must be disposed of; reuse or recycling is not possible.
- **Vermiculite in the combustion chamber:** Remove vermiculite that has been installed in the combustion chamber from the appliance. If present, fastening elements must be removed beforehand. Vermiculite in contact with fire or flue gas must be disposed of, reuse or recycling is not possible.
- **Glass ceramic pane:** Remove the glass ceramic pane using a suitable tool. Remove the seals and separate them from the frame if present. Transparent glass ceramic can generally be recycled, but must be separated into decorated and non-decorated panes. The glass ceramic pane can be disposed of as construction waste.
- **Sheet steel:** Disassemble the sheet steel components of the device by unscrewing or flexing (alternatively by mechanical crushing). If present, remove the seals beforehand. Dispose of the sheet steel parts as metal scrap.
- **Cast iron:** Disassemble the components of the cast iron device by unscrewing or flexing (alternatively by mechanical crushing). If present, remove gaskets beforehand. Dispose of the cast parts as metal scrap.
- **Natural stone:** Remove existing natural stone mechanically from the unit and dispose of as construction waste.
- **Gaskets (glass fibre):** Remove the gaskets mechanically from the device. These components must not be disposed of with residual waste, as waste glass fibre cannot be destroyed by incineration. Dispose of gaskets as glass and ceramic fibres (artificial mineral fibres).
- **Metal handles and decorative elements:** If present, remove or dismantle metal handles and decorative elements and dispose of them as metal scrap.

Note
Please observe the local disposal possibilities for all components.

Extract from the waste code of the European Waste List Regulation

Waste code	Waste type
15 01 03	Wooden packaging
17 01 03	Tiles and ceramics
17 02 02	Glass
17 04 05	Iron and steel
17 05 04	Soil and stones

Electronic Waste

In accordance with the European Directive (2012/19/EU) Waste Electrical and Electronic Equipment (WEEE) and other local regulations, RIKA supports the setup of take-back systems and recycling infrastructures.

Old devices can easily be returned to the municipal waste collectors for recycling purposes. Please observe the national regulations to that end.

The device may not be disposed of in the normal household waste.

21. COMPLIANCE WITH EU REGULATIONS

CE

This product comlies with the requirements of the European Community.

Hereby, RIKA Innovative Ofentechnik GmbH declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU, 2014/35/EU, 2014/65/EU and 2011/1185/EU.

The most recent and valid version of the DoC (Declaration of Conformity) can be viewd at www.rika.at

EN

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