DOMO
DOMO RAO

Operating manual



RIKA®

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1. EXPLANATIONS TO SYMBOLS

...important Note

...useful Tip



...Hex #8, #13

...Hacksaw



...Allen Key #2,5; #6

...manually



... Hexalobular T25

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:	DOMO / DOMO RAO / DOMO MA / DOMO PGI
Equivalent models:	-
Notified body:	Technische Universität Wien, Getreidemarkt 9/166, 1060 Wien, Austria
Notified body no.:	1746
Test report no.:	PL-14077-P
Applied harmonised standards:	EN14785:2006
Other applied standards/technical specifications:	-
Indirect heating functionality:	Nein
Direct heat output:	10 kW
Indirect heat output:	-

Characteristics when operating with the preferred fuel

Seasonal space heating energy efficiency ηs :	82,3 %
Seasonal space heating energy efficiency RIKATRONIC ηs :	-
Energy Efficiency Index:	124
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}	10	kW
Minimum heat output	P_{min}	3	kW
Useful efficiency			
Useful efficiency at nominal heat output	$\eta_{th,nom}$	92,7	%
Useful efficiency at minimum heat output	$\eta_{th,min}$	97,3	%
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

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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	82,3	18	3	46	115	-	-	-	-
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

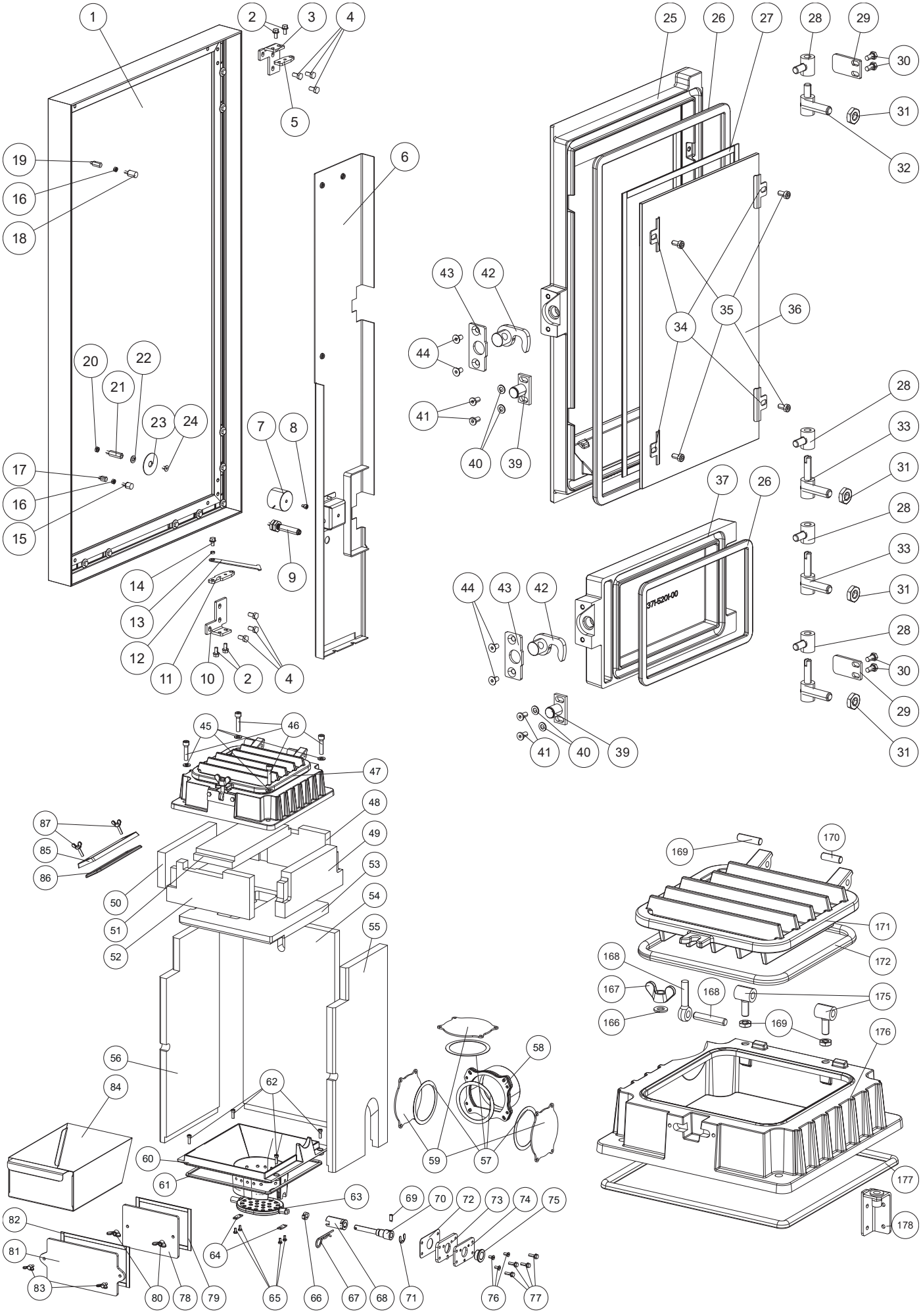
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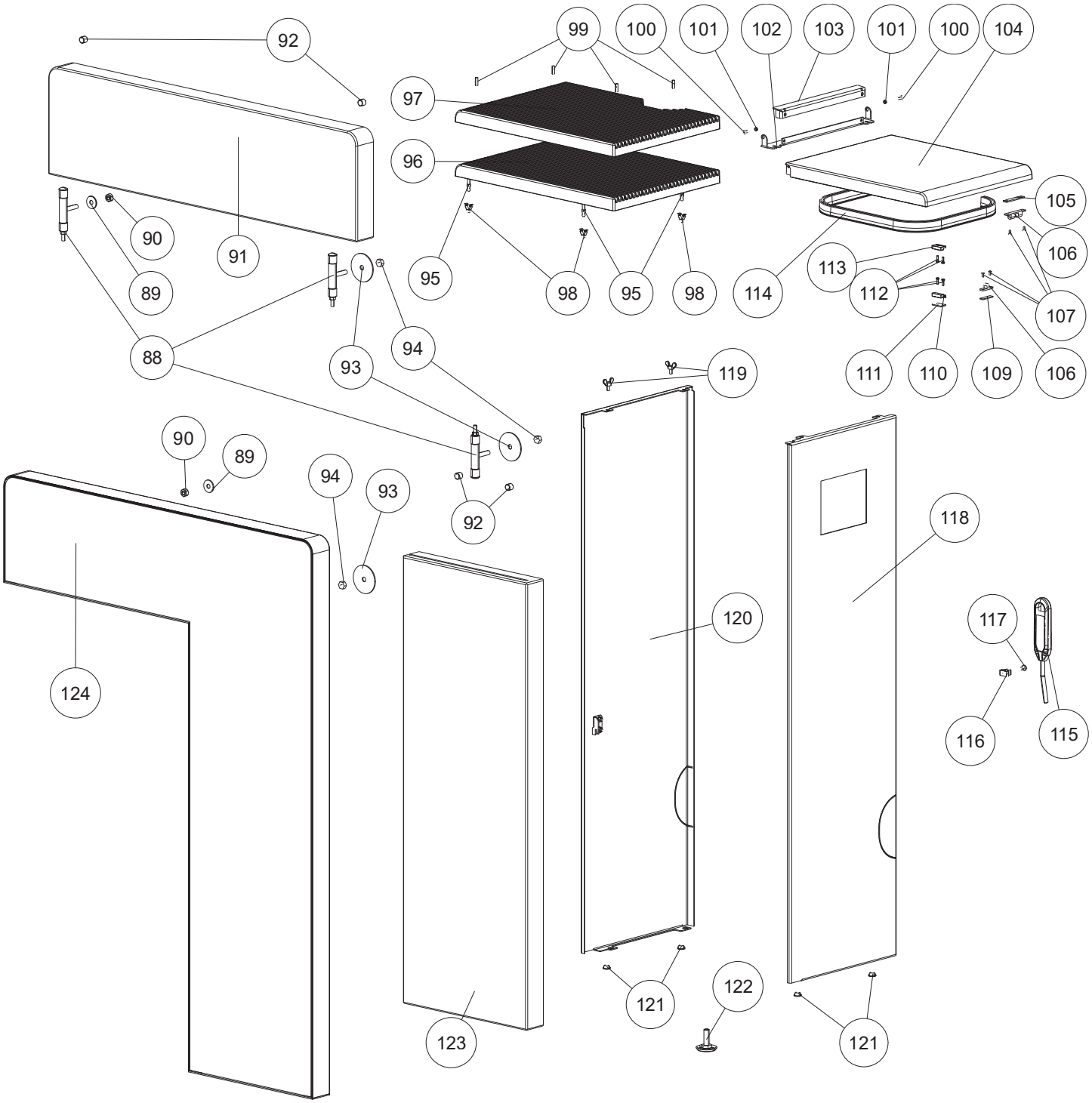
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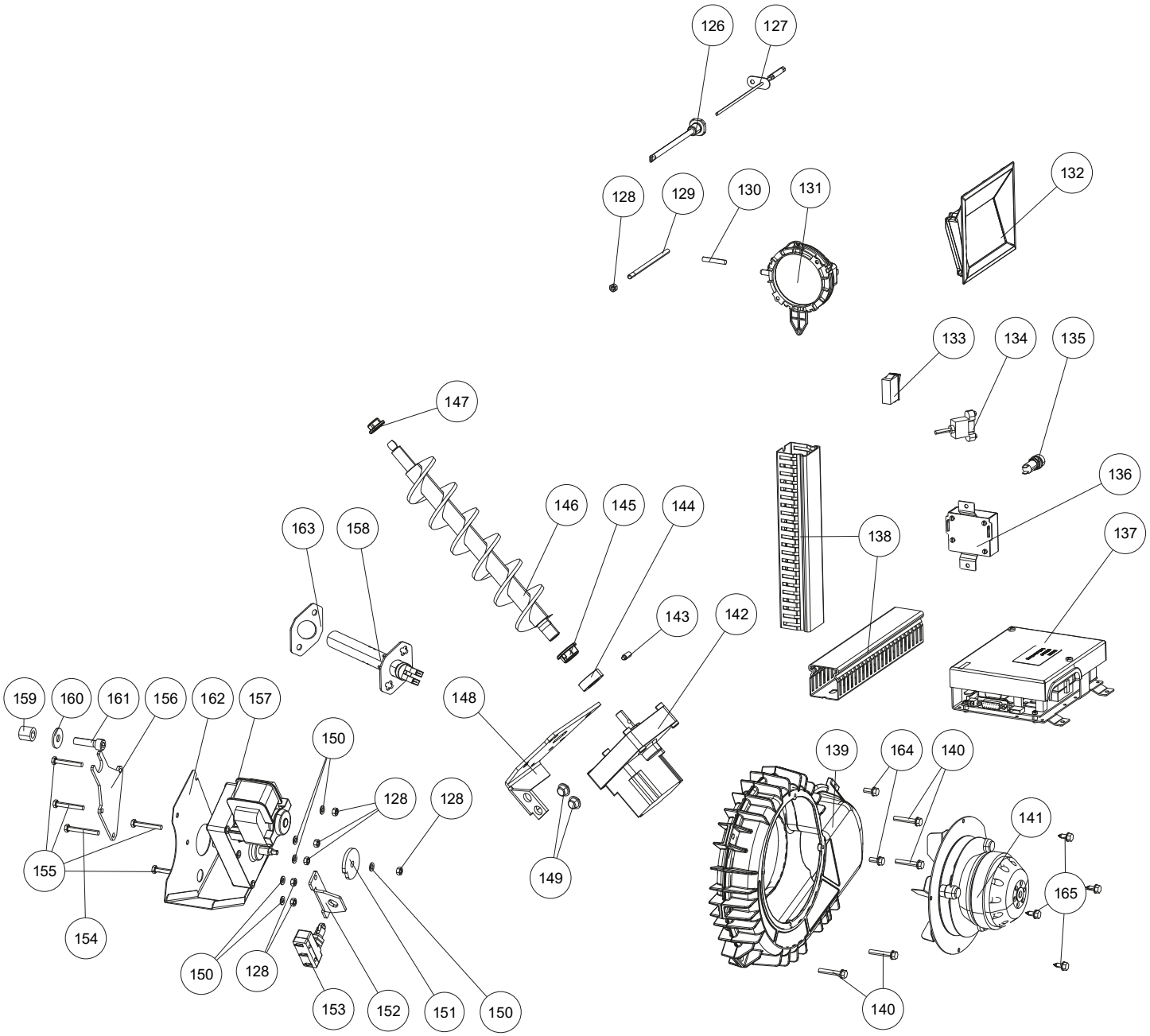
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3. TECHNICAL DATA

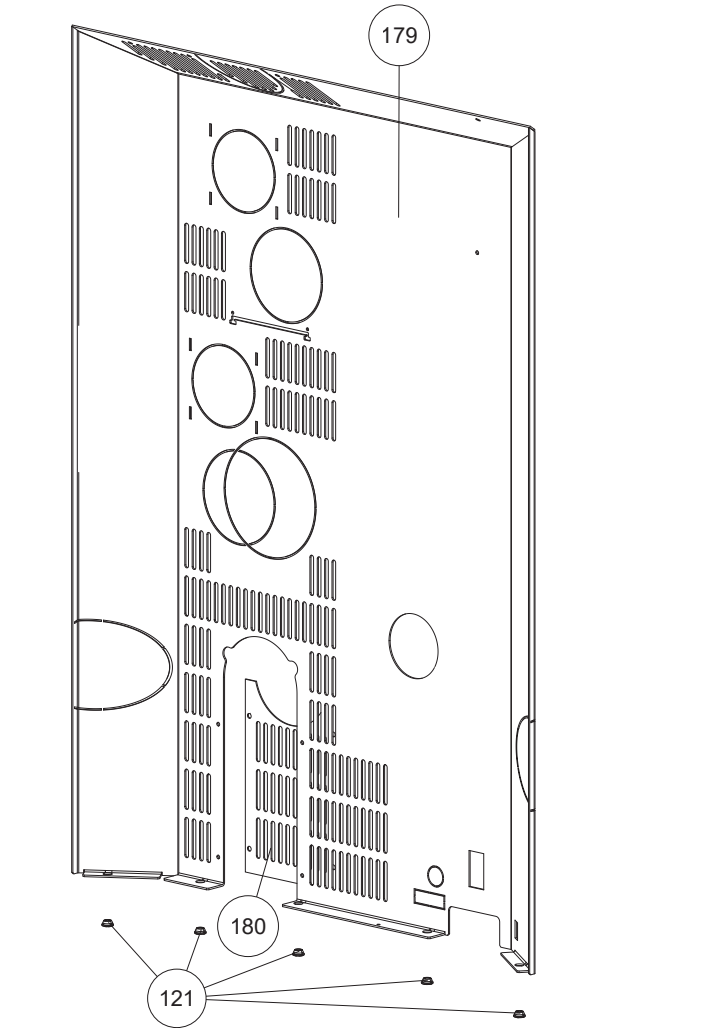
Spare part overview exploded diagram

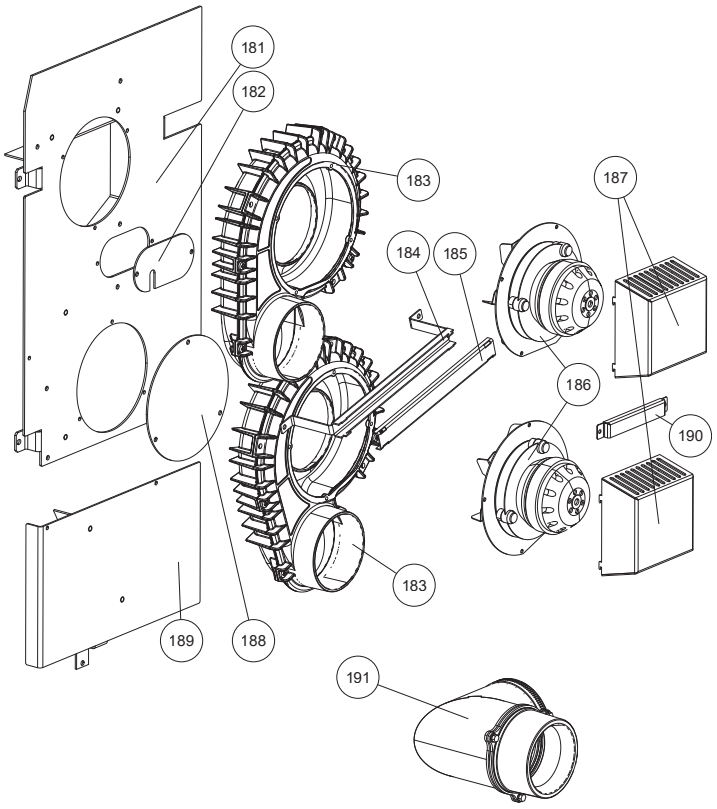



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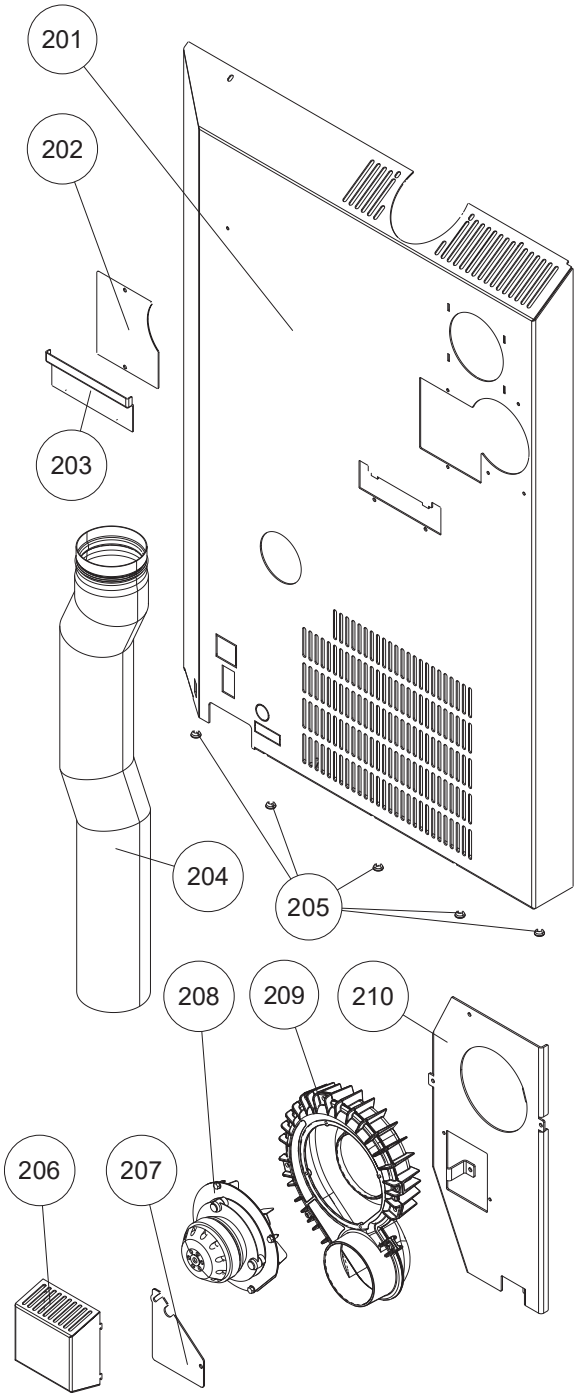

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DOMO rearwall and options





DOMO RAO MULTIAIR



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Spare part overview article numbers of DOMO and DOMO RAO MULTIAIR

Nr.	Art.Nr.	Description
1	B17412	Decorative door assy
2	N108313	Self-tapping screw M05x12
3	Z35993	Door mounting plate
4	N110032	Hexagonal screw M06x12
5	Z35992	Hinge
6	B17967	Cover plate (up to serial number 1354983)
	Z36172	Cover plate (from serial number 1354984)
7	Z37820	Electromagnet
8	N100489	Hexagon socket screw
9	B17521	Pressure spring
10	Z35995	Door mounting plate
11	Z35996	Hanger plate
12	L02651	Door stop plate
13	Z27866	Spacer
14	N108121	Self-tapping screw
15	N112111	Rubber buffer
16	N111975	Hexagonal nut M04
17	N112173	Spacer
18	N112110	Rubber buffer
19	N112174	Spacer
20	N111973	Hexagonal nut M05
21	N112149	Spacer
22	N112175	Washer
23	L02714	Magnet washer
24	N112176	Hexagonal countersunk screw
25	Z35464	Combustion chamber door black
26	N112551	Round sealing strip grey D11 (1m)
27	N103693	Flat seal black 8x2
28	B17524	Hinge black
29	L02645	Door stop base plate
30	N111950	Hexagonal screw M05x10
31	N111780	Hexagonal nut
32	B17405	Hinge
33	B15825	Hinge BA1
34	L00475	Glass holder
35	N112178	Hexagon socket screw
36	Z35856	Front door glass
37	Z35465	Front door black assy
39	B12322	Closure plate
40	N111965	Washer M05
41	N108485	Allen screw
42	B17407	Shutter
43	L02647	Closure plate
44	N100242	Allen screw
45	N112389	Washer
46	N112047	Hexagon socket screw M08x35
47 *4	B17416	Combustion chamber cover assy
48	Z35847	Firebrick lining rear
49	Z35846	Firebrick lining right
50	Z35849	Firebrick lining left
51 *3	Z36924	Firebrick lining, top
52	Z35848	Firebrick lining front
53	Z37323	Baffle plate right
	Z37324	Baffle plate left
54	Z36576	Cast rear panel black
55	Z36602	Firebrick lining right
56	Z36601	Firebrick lining left
57	N100475	Flat packing white 8x2
58	Z37844	Pipe adapter
	Z37830	Pipe adapter seal
	Z37832	Intermediary
59	Z35997	Blind cover
60	Z35463	Fire trough
61	N111631	Round sealing cord grey D06
62	N112058	Allen screw
63	Z35808	Turning grid
64	L02726	Small plate
65	N111835	Hexagonal screw
66	L01875	Driving plate turning grid
67	N112470	Spring clip
68	Z35854	Intermediate shaft turning grid
69	N112499	Grub screw
70	Z35853	Drive shaft
71	N112125	Circlips
72	Z36167	Ceramic seal
73	Z35852	Bearing clamping plate
74	L02641	Bearing plate
75	N102688	Sinter bearing ID16
76	N108485	Allen screw
77	N111947	Self-tapping screw M05x16
78	Z35999	Cleaning cover
79	Z36567	Sealing
80	N108306	Wing nut
81	Z36000	Cleaning cover
82	Z36566	Sealing
83	N112391	Wing screw
84	L02658	Ash drawer
85	Z35632	Cleaning opening
86	N103066	Round sealing strip black D06
87	N112418	Wing screw
88	B17390	Stone retainer assy
89	N111843	Washer M08
90	N100150	Hexagonal nut M08
91	Z35655	Soapstone, top
	Z35648	Stone top, white
92	N112179	Grub screw
93	L02239	Cover plate
94	N111683	Self-locking nut
95	N112127	Locking bolt
96	Z35974	Convection cover AH
97	Z36038	Convection cover RAO
98	Z36001	Snap spring
99	N111803	Grub screw M05x16
100	N111859	Allen screw
101	Z34696	Spacer
102	Z35865	Hinge for container cover
103	Z36174	Stop rail
104	Z35975	Container lid black
105	L01446	Lock washer
106	N110461	Double ball catch
107	N111459	Allen screw
109	L01502	Lock washer
110	N111733	Magnetic switch bottom part
111	L01445	Switch spacer
112	N111842	Hexagon socket M03x10
113	N111732	Magnetic switch top part
114	N112126	Seal
115	N112018	Key
116	Z35691	Spring plug
117	N112136	Self-tapping screw

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.

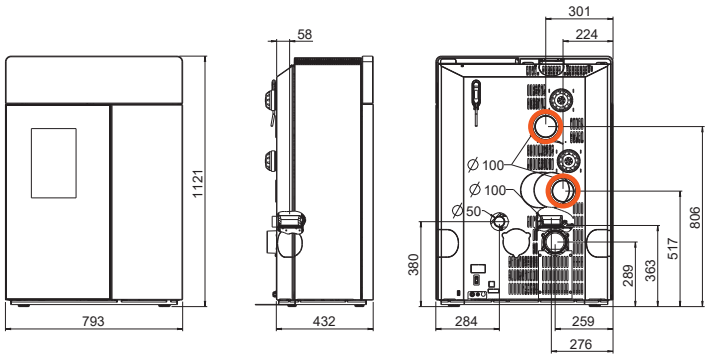
Nr.	Art.Nr.	Description
118	L02718	Side casing panel, right
119	N112419	Wing screw
120	B17670	Side casing panel, left
121	N111730	Grommet
122	N112490	Levelling screw black
123	Z35656	Side casing soapstone right
	Z35647	Front stone white right
124	B18146	Front steel black
	B18147	Front glass
	B18260	Front decor white
126	B16053	Sensor tube
127	B16114	Temperature sensor
128	N106175	Hexagonal nut M05
129 *1	B18172	Pressure Pipe
*2	B18126	Pressure Pipe
130	N111551	Silicon hose
	N112316	T-Joint
131	N112102	Differential pressure switch
132	B16574	Touch-display plug-in
133	N112016	Power switch
134	N111989	USB cable
135	N111604	Fuse 2,5 A
136	B16030	Additional motherboard for motor, incl. cable
137	B16561	Mainboard USB11
138	Z35943	Cable channel
139	B16951	Induced draft fan housing
140	N111641	Self-tapping screw
141	N111581	Induced draft fan motor
142	N112030	Screw motor, stepless
143	N112499	Grub screw
144	Z11915	Lock ring conveyer screw
145	Z35182	Friction bearing D16
146	B12301	Auger
147	Z35183	Friction bearing D10
148	L00797	Motor holder plate
149	Z18997	Rubber buffer
150	N111965	Washer M05
151	L02646	Actuating cam turning grid
152	L02644	Retaining plate
153	N111825	Contact switch
154	N101570	Hexagonal screw M05x40
155	N111806	Hexagonal screw
156	L02643	Motor plate
157	N112014	Turning grid motor assy
158	B17166	Ceramic ignition
159	N112609	Silicon hose
160	N112509	Washer M08
161	N112378	Hexagon socket screw
162	L03484	Heat protection
163	Z36290	Seal for ignition
164	N108313	Self-tapping screw M05x12
165	N106989	Hexagonal screw
167	N112387	Wing nut
168	N112386	Swing bolt
169	N111696	Headless screw M08x30
170	N112388	Headless screw
171	Z36921	Cleaning opening
172	N112551	Round sealing strip grey D11 (1m)
173	N112390	Cylindrical pin
174	N105378	Hexagonal nut

Nr.	Art.Nr.	Description
175	B18133	Hinge
176	Z35462	Cover combustion chamber
177	N100476	Sealing cord black D10
178	B17848	Cover support
179	L02652	Rear wall black
180	L02653	Rear wall cover black
181	LB00629	Fan holder
182	L02721	Cover plate sensor
183	B17370	Induced draft fan housing
184	L02722	Cable duct
185	L02723	Cover cable duct
186	N112000	Fan motor
187	L02724	Motor protection cover
188	L02725	Cover plate
189	LB00630	Air guide blade
190	Z36002	Cable cover
191	E15634	Flue pipe connection center
201	B18263	Rear wall RAO MA
202	L03373	Covering plate
203	L03374	Cable run
204	N112317	Flue pipe
205	N111730	Grommet
206	L02724	Motor protection cover
207	L03372	Cover plate
208	N112000	Fan motor
209	B17370	Induced draft fan housing
210	L03371	Fan support plate
	B17527	Convection fan assy
	B17411	Wiring harness
	Z35018	Cable for touch-screen 1,25 m
	Z34841	Cable for additional motherboard
	B18051	Combustion chamber kit up to serial number 1365490
	B17961	Pressure monitoring kit up to serial number 1366535
	E15899	Sealing kit DOMO
	B18663	Set turning grid connection DOMO
	*1	position in the drop shaft
	*2	position in the combustion chamber from serial number 1366536
	*3	up to serial number 1379139 articles Z35847 + Z35848 must be supplied as well
	*4	up to serial number 1379139 articles Z35847 + Z35848 + Z36924 must be supplied as well

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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 of DOMO



Dimensions		
Height	[mm]	1121
Width	[mm]	793
Corpus Depth	[mm]	432
Weight		
Weight without shell	[kg]	~170
Weight with steelshell	[kg]	~185
Weight with stones	[kg]	~230
Weight with decor side panels	[kg]	~180
Flue pipe connection		
Flue Pipe Outlet	[mm]	100
Rear Connection Height	[mm]	289
Rear Connection - side Distance	[mm]	259
Top connection Height	[mm]	363
Top connection - Distance to rear wall	[mm]	58
Top connection - side Distance	[mm]	276
Fresh air connection		
Diameter	[mm]	50
Connection Height	[mm]	380
Side Distance	[mm]	284
Convection air connection MULTIAIR		
Diameter	[mm]	100/100
Connection height	[mm]	806/517
Side distance	[mm]	301/224

Amount of fuel

	Nominal load	Part load
Amount of fuel	~2,3 kg/h*	~0,8 kg/h*
Burn time at full pellet hopper	~20 h*	~60 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 for DOMO

Technical data		
Heating power range	[kW]	3 - 10
Fresh air demand	[m³/h]	22
MULTIAIR-Output*	[kW]	0,5 - 4,3
MULTIAIR-Air volume*	[m³/h]	40 - 170
Room heating capacity (depending on house insulation)	[m³]	70 - 260
Fuel consumption	[kg/h]	≤2,3
Pellet container capacity**	[l]/[~kg]	76/~50
Electric supply	[V]/[Hz]	230/50
Average electrical input	[W]	~20
Fuse	[A]	2,5 AT
Efficiency	[%]	92,7
CO_2	[%]	11,8
CO-emission on 13% O_2	[mg/m_N^3]	46
Dust emission	[mg/m_N^3]	18
Exhaust	[g/s]	6,6
Exhaust temperature	[°C]	162,6
Chimney draft requirement	[Pa]	3

*with a two meter MULTIAIR line in combination with RIKA design outlet, values may differ in practice.

**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.

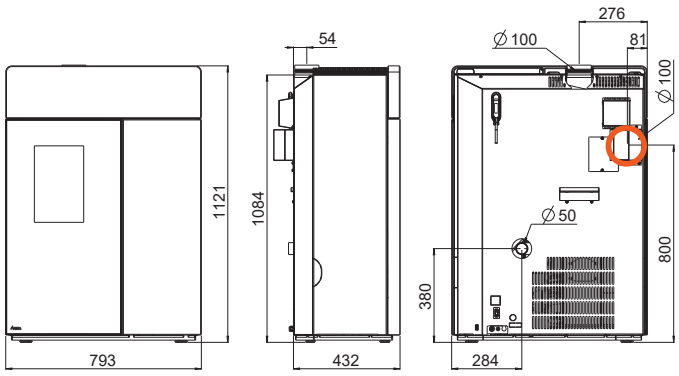
The packaging of your new stove is environmentally neutral to a great extent.

Tip
The wood used in the packaging has not been surface treated and may therefore be burnt in your woodburning stove (not in pellet stoves!). 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 Volt / 50 Hz socket. The average electrical power consumption is about 20 Watt in heating operation and approx. 150 Watt 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.

Dimensions of DOMO RAO MULTIAIR



Dimensions		
Height	[mm]	1121
Width	[mm]	793
Corpus Depth	[mm]	432
Weight		
Weight without shell	[kg]	~175
Weight with steelshell	[kg]	~190
Weight with stones	[kg]	~235
Weight with decor side panels	[kg]	~185
Flue pipe connection		
Flue Pipe Outlet	[mm]	100
Rear Connection Height	[mm]	-
Rear Connection - side Distance	[mm]	-
Top connection Height	[mm]	1084
Top connection - Distance to rear wall	[mm]	54
Top connection - side Distance	[mm]	276
Fresh air connection		
Diameter	[mm]	50
Connection Height	[mm]	380
Side Distance	[mm]	284
Convection air connection MULTIAIR		
Diameter	[mm]	100
Connection height	[mm]	800
Side distance	[mm]	81

Amount of fuel

	Nominal load	Part load
Amount of fuel	~2,3 kg/h*	~0,8 kg/h*
Burn time at full pellet hopper	~20 h*	~60 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 for DOMO RAO MULTIAIR

Technical data		
Heating power range	[kW]	3 - 10
Fresh air demand	[m³/h]	22
MULTIAIR-Output*	[kW]	0,5 - 1,9
MULTIAIR-Air volume*	[m³/h]	40 - 80
Room heating capacity (depending on house insulation)	[m³]	70 - 260
Fuel consumption	[kg/h]	≤2,3
Pellet container capacity**	[l]/[~kg]	76/~50
Electric supply	[V]/[Hz]	230/50
Average electrical input	[W]	~20
Fuse	[A]	2,5 AT
Efficiency	[%]	92,7
CO_2	[%]	11,8
CO-emission on 13% O_2	[mg/m_N^3]	46
Dust emission	[mg/m_N^3]	18
Exhaust	[g/s]	6,6
Exhaust temperature	[°C]	162,6
Chimney draft requirement	[Pa]	3

*with a two meter MULTIAIR line in combination with RIKA design outlet, values may differ in practice.

**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 pellet stoves!). 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 Volt / 50 Hz socket. The average electrical power consumption is about 20 Watt in heating operation and approx. 150 Watt 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.

EN

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.
- Make sure that no embers fall out of the combustion chamber onto inflammable material.
- 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.

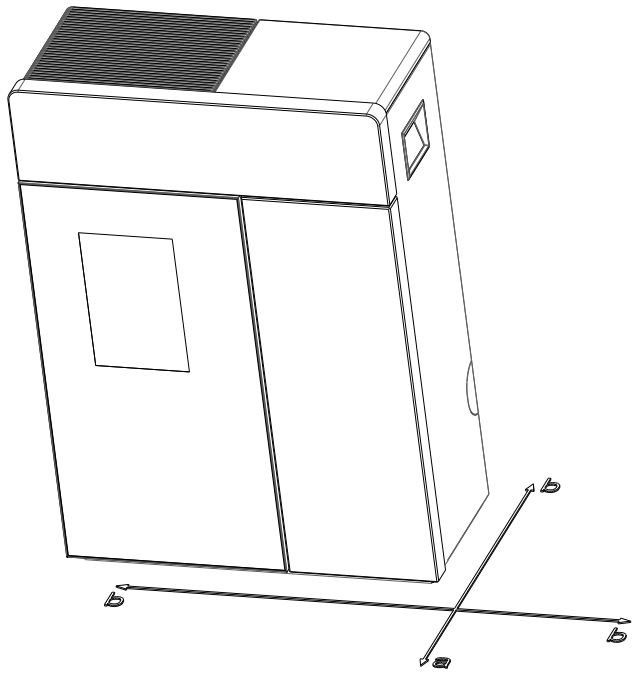
First heating

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.

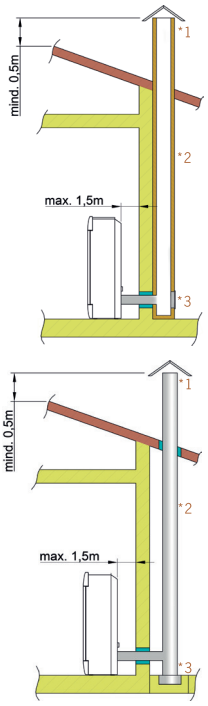
Floor protection
A glass, sheet steel or ceramic plate is recommended, if the floor is combustible (wood, carpet, etc.). Please observe the respective local regulations and rules.

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.

The correct chimney connection

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



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

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

Stoves type 1 (BA 1):

- Suitable for multiple occupancy. (Note the different country regulations.)
- These may only be operated with the combustion chamber door closed.
- 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.
- If this occurs, disconnect the mains plug. Phone the fire brigade and get yourself and other residents out of harm's way.

Note
Your pellet stove has been tested as a room-air independent stove according to EN14785. It can be operated room air dependent or room air independent.

ROOM-AIR INDEPENDENT OPERATION:
The stove is certificated for type FC62x of the approval principles for the inspection and evaluation of ambient air independent fireplaces specified by the Deutsches Institut für Bautechnik (DIBT) (German Institute for Building Technology). Thanks to an air-tight configuration of the air supply line and flue pipes the stove may be operated in air-tight rooms and in rooms with room-air installations (e.g. controlled ventilation and venting systems, extractors etc.).

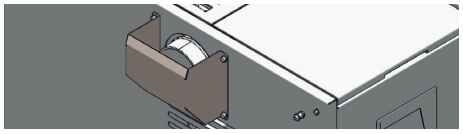
ROOM-AIR DEPENDENT OPERATION:
In combination with room-air installations (e.g. controlled ventilation and venting systems (extractors etc.) it must be ensured that the stove and the room air system are monitored and safeguarded mutually (e.g. via a differential pressure controller). The combustion air 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 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 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 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.

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5. 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.

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 stove are convincing:

Operating comfort

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

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

Top efficiency - lowest emissions

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

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

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

Pressure monitoring

The negative pressure in the combustion chamber is continuously monitored during operation. Below a defined threshold, a correct operation can not be guaranteed and the unit will switch off with the fault message „NOT ENOUGH LOW PRESSURE" for safety reason.

Note
After the occurrence of the error message, maintenance or cleaning work necessarily has to be carried out! If the error occurs again, a safe operation is no longer guaranteed, the service must be informed immediately.

Note
If the stove is used in a habitation together with a kitchen hood or a ventilation (WC) it might happen that the built-in pressure switch stops the stove. If using the hood make sure that an adequate supply of air is ensured.

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.

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 CLEAN appears on the display.

Only for stoves with turning grids:
Every 6 hours (interval adjustable) an additionally automatic big cleaning cycle is performed. The stove stops, the automatic cleaning tilts the grid and then re-ignites the stove. The status indicator BIG CLEAN 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
This additional function does not replace a manual cleaning as described in CLEANING and MAINTENANCE, as this is absolutely necessary to do regularly.

Note
Due to the turning grid there is a certain generation of noise during the automatic cleaning cycle (START or BIG CLEAN).

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: DISCHARGE MOTOR BLOCKED. The stove will be stopped. Please call the customer service immediately.

Power failure (during heating)

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

Power failure (during the initial stage)

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

7. 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. You may need to have a condensate ring installed - ask your chimney sweeping expert for more information. 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.

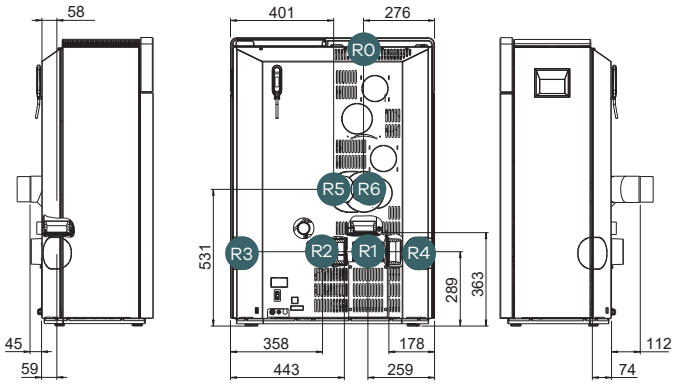
- Combustion air must be fed to the stove from outside via a sealed pipe for operation independent of the room air. According to EnEV, it must be possible to shut off the combustion air pipe. The open/closed setting must be clearly recognisable.
- Connect at the air intake either a pipe Ø 125 mm for 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.

8. ASSEMBLY/DISMANTLING STONE AND OPTIONS

Assembly/Dismantling options for DOMO



Tip
Right / Left according to standing in front of the stove!

Nr.	Connection	Parts
R1	Rear	-
R2	Rear center	Domo-accessory elbow
R3	Right side range	straight flue pipe*
R4	Left side range	straight flue pipe*
R5	Rear center top range	90 degree elbow with cleaning lid + 45° elbow*
R6	Rear top range	90 degree elbow with cleaning lid*
RO	Top range	straight flue pipe*

*from the standard RIKA flue pipe

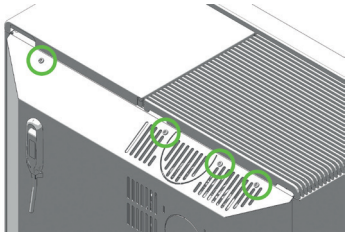
Note
Only work on the unit when the mains plug has been disconnected and the stove has cooled completely.

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.

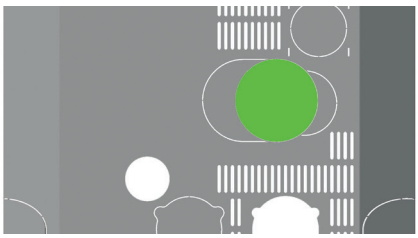
Converting to top connection rear R6 and top connection rear in the center R5

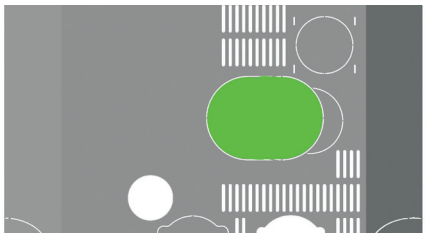
Loosen the screws on the rear panel. The back wall tilts backwards and then you can lift it off.



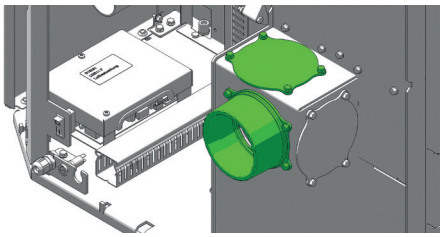
#25

Cut with a saw along the marked perforation of the rear wall for the option you need.

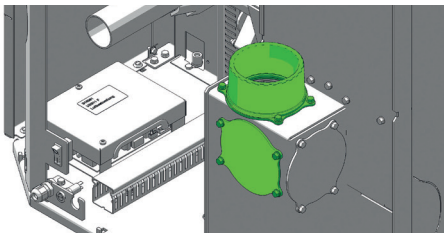




Replace the flue gas stack and the top cover against each other.

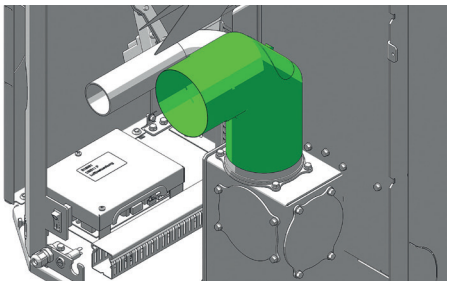


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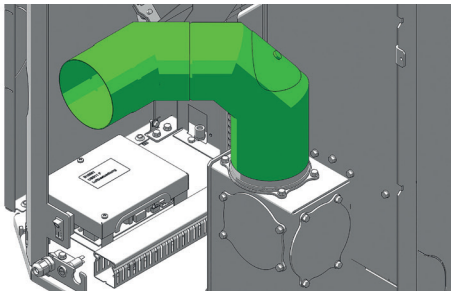


#8

Place the elbow with cleaning lid to the flue gas stack. Make sure that everything is tight!



Put on a 90 degree elbow with cleaning lid and then another 45 degree elbow, which has to be cut off about 4 cm, to reach the **top center connection** of the flue gas pipe. Make sure that everything is tight!



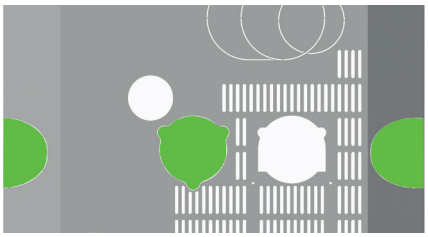
Install the rear panel again.

EN

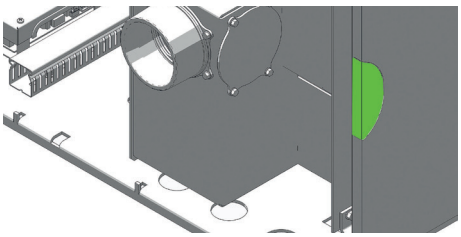
Converting to side connection R3 + R4 and connection rear in the center R2

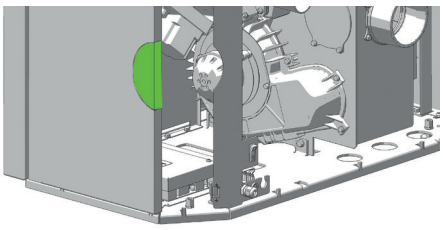
Remove the rear panel as previously described.

Cut with a saw along the marked perforation of the rear wall for the option you need.

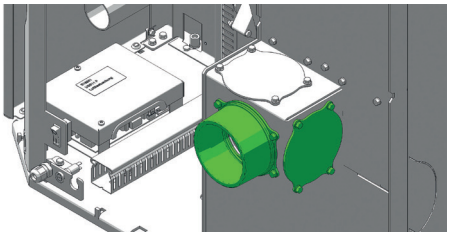


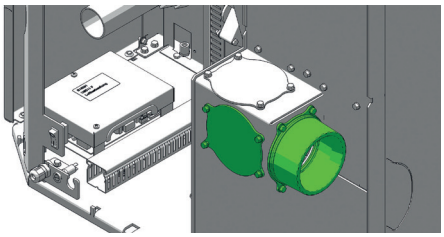
Cut out one of the side panels of the stove along the marked perforation for **lateral option**.



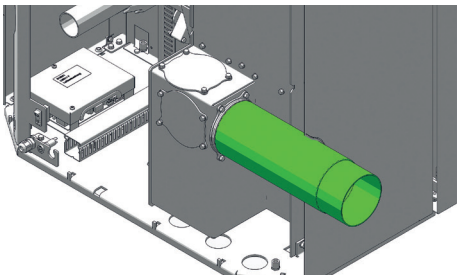


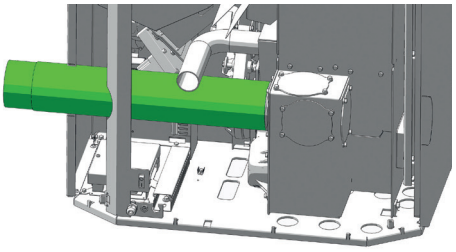
Replace the flue gas stack and one of the side cover plates against each other.

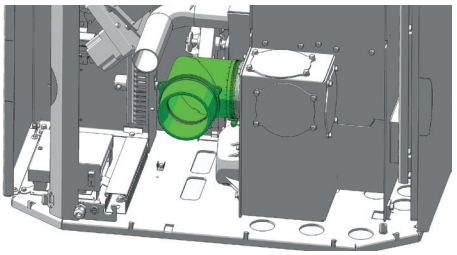




Place the correspondent flue pipe on the side. Make sure that everything is tight!







Install the rear panel again.

Note
Protect all cables and the silicone hoses inside the stove from the heat! Improper installation can damage your stove and void your warranty.

Assembly/Dismantling stone

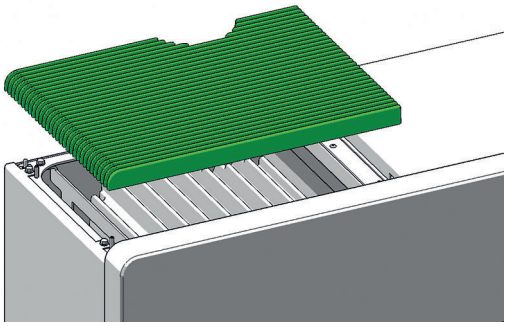
Note
Only work on the unit when the mains plug has been disconnected and the stove has cooled completely.

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.

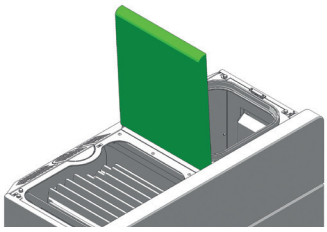
Note
During any conversion work, take particular care of your fingers and any panels and stove attachments.
Select soft bases to prevent scratches to your living space furniture and stove panels.

Open the decorative glass door by pushing the button on the display before you unplug the stove from the power supply.

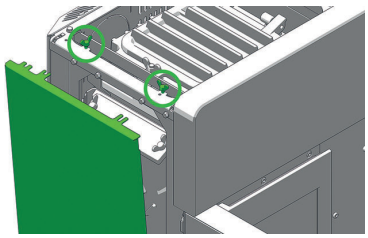
Remove the cover by simply lifting.



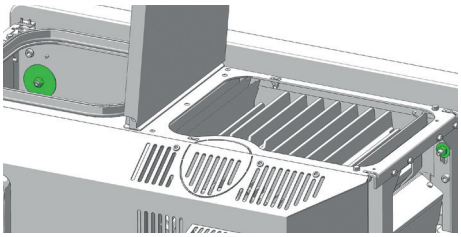
Open the pellet container lid until it stops, in this position, it stays open.



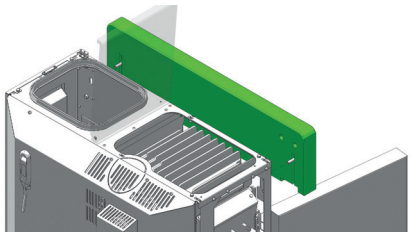
Now remove the two wing screws on the side panel and lift the side wall.



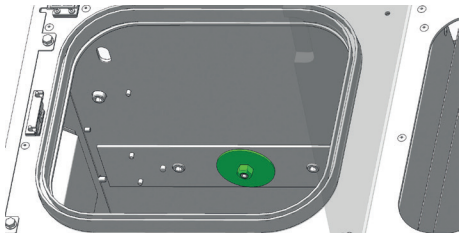
Remove the self-locking hexagon nut including the covering plate which serves to seal the pellet container, and the hex nut including the washer on the other side.



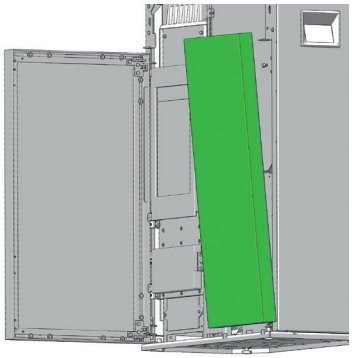
Now you can take off the top stone to the front.



For the right front stone remove the self-locking hexagon nut including the covering plate which serves to seal the pellet container.

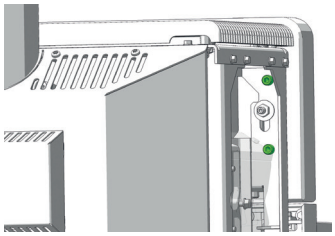


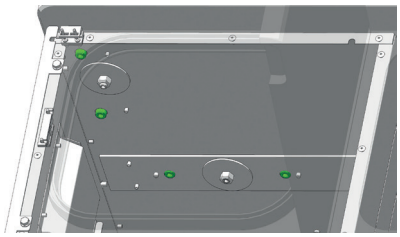
Now tilt the stone slightly and carefully lift diagonally forward.



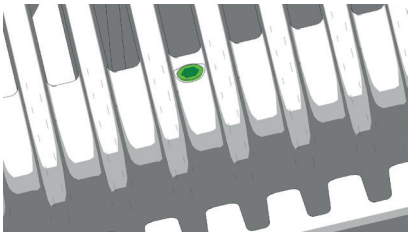
Install the removed parts in reverse order.

With the green marked screws you can adjust the position of the stones, so that the decorative glass door and the stones are flush in front. Afterwards you fix the stones with the self-locking hexagon nuts.





Make sure before mounting the convection fins that the 4 screws (marked in green) are flush.



Then carefully place the convection fins in the supposed recess and press down firmly with your hand until the cover locks into place.

EN

9. COMFORT OPTIONS

Room sensor, Radio room sensor

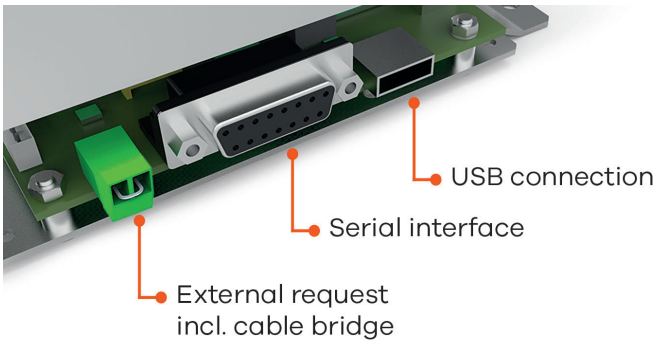
This option permits control of your stove via room temperature. You can set both the room temperature and the heating times required. A room temperature selected by you is observed during the heating times.

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 FIRENET

Only for combination and pellet stoves with touch panel version V2.16 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.

10. 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.

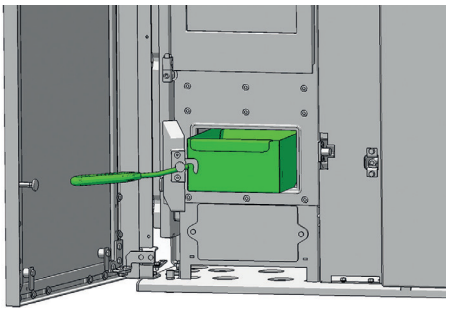
Note
We recommend at least once a year to have all maintenance carried out by your RIKA dealer.

Open the combustion chamber door

To open or close the combustion chamber door and the door of the ash-chamber use the included key. This key can be stored on the back of the stove when not in use.

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.



Cleaning the door glass

If necessary

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 painted surfaces

If necessary

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

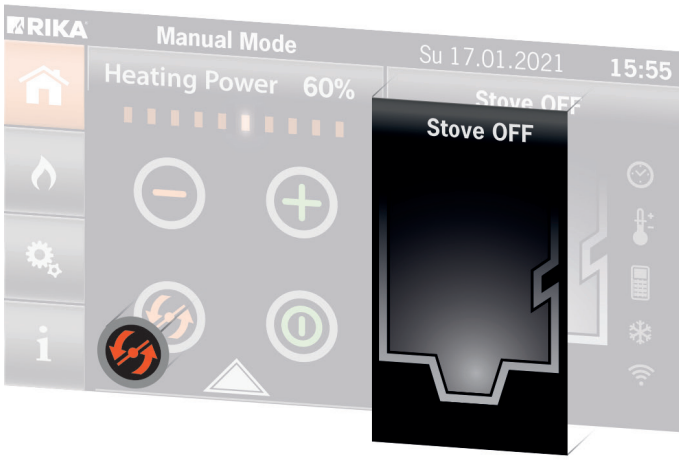
Cleaning the fire trough

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

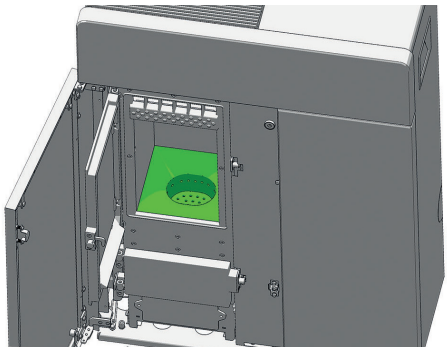
If necessary, but at least 1x a week

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.



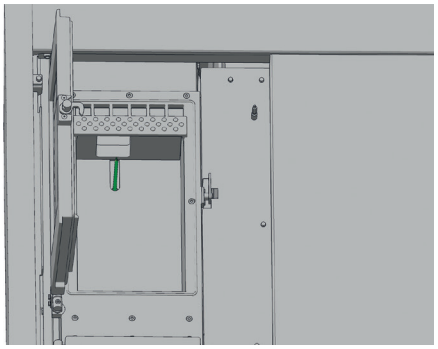
Remove the clinker using the brush supplied and sweep the ashes with a broom in the ash tray. Vacuum out the fire trough.



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

Cleaning the flame temperature sensor

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



EN

11. 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

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

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

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 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.

Check seals

annually

Check the condition of the seals at least once a year. Repair or replace seals depending on condition.

Note
Only intact seals ensure your stove works perfectly!

Tip
You will find the seals and sealing kit in the spare part overview.

Bearings

annually

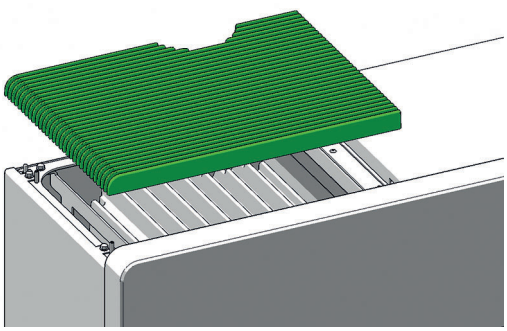
All built in bearings (pellet screw, turning grid) should be checked. Clean or replace bearings depending on condition.

Cleaning flue gas paths

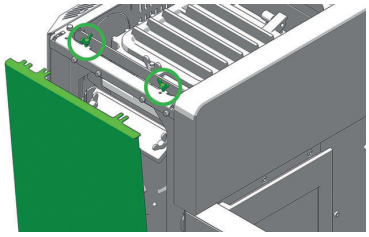
The flues are lateral the combustion chamber.

Open the decorative glass door by pushing the button on the display before you unplug the stove from the power supply.

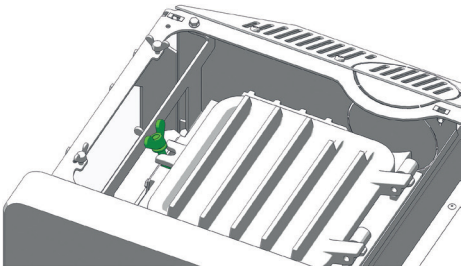
Remove the cover by simply lifting.



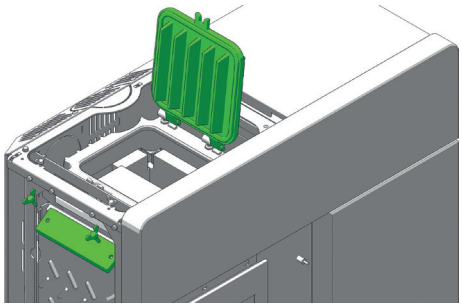
Now loosen the two wing screws and tilt the side panel. Subsequently, lift the side panel to remove it.



Loosen the wing nut on the lid of the cleaning opening, tilting the eyescrew sidewards.

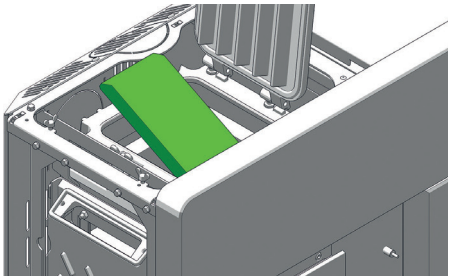


Open the lid as far as the stop. Remove the two wing screws and the lateral cleaning lid.

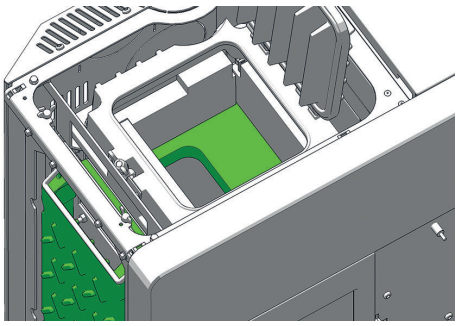


Note
Please pay attention to your fingers! They could be damaged by the lid falling down.

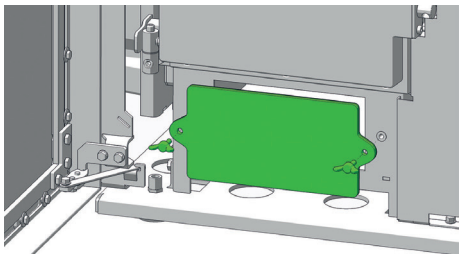
Remove the top horizontal baffle plate.



Now clean the flues and baffles with the supplied brush. Vacuum the combustion residues with a vacuum cleaner.

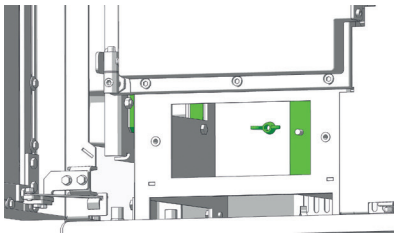


Unscrew the two wing screws under the ash door and remove the outer cleaning lid.

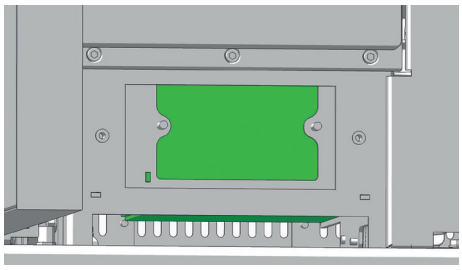


Vacuum the combustion residues off the flue gas collecting duct, especially the areas to the side flues.

Unscrew the 2 wing nuts on the rear cleaning lid and remove the same.

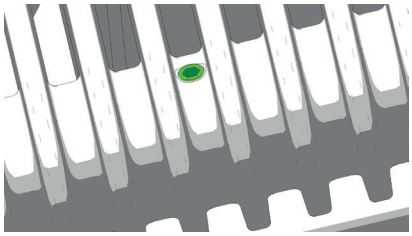


Thoroughly vacuum the combustion residues off the flue gas chamber.



Install the removed parts in reverse order again.

Make sure before mounting the convection fins that the 4 screws (marked in green) are flush.



Then carefully place the convection fins in the supposed recess and press down firmly with your hand until the cover locks into place.

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 pellet stove, replace the defect (porous, frayed) seals after cleaning and maintenance.

EN

12. PROBLEMS - POSSIBLE SOLUTIONS

Problem 1

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

Cause(s)

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

Possible solutions

- Remove any ash or clinker from the fire trough that may block the air inlets. (see CLEANING/MAINTENANCE)
- If possible swap to better pellet quality.
- Check whether flue gas pipes are blocked with ash (see CLEANING/MAINTENANCE).
- Check whether the air intake or flue tubes are blocked.
- Check door and cleaning cover seals for leaks (see CLEANING/MAINTENANCE)
- Clean fan (see CLEANING/MAINTENANCE)
- Have service performed by authorised specialist company.
- The window has to be cleaned from time to time (see CLEANING/MAINTENANCE)

Problem 2

Stove smells strongly and smokes outside.

Cause(s)

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

Possible solutions

- Wait to end of burning-in phase and ventthe room sufficiently.
- Vacuum 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)

- Leaking cleaning openings
- Chimney draught too low
- Leaking flue pipe connection

Possible solutions

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

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

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

13. 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.

EN

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

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

FIRENET ☐ Model

Phone provider

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

14. 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.

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!

15. WARRANTY CONDITIONS

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: 01.11.2022

16. 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.

17. 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



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In case of doubt as well as missing or incorrect translations, the German version is the only valid one. Subject to technical and visual changes as well as layout and printing errors..
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