



**HAAS+SOHN**

## HSP 2.17 Selina-ST

<b>Geräteblatt</b> Pelletofen	DE
<b>Fiche technique</b> Poêle à pellets	FR
<b>Scheda tecnica</b> Stufe pellet	IT
<b>Equipment sheet</b> Pellet stove	<b>GB</b>
<b>Tehnički list</b> Kotel na pelete	HR
<b>Tehnični list</b> Kotel na pelete	SLO

# Notes in the text



Of utmost importance there are the notes entitled **WARNING**. The notes entitled **WARNING** advise you on **serious danger of damage to the heating device or of an injury**.



The note entitled **Notice** advises you on possible damage to your heating device.



The note entitled **Important** calls your attention to the information important for the operation of your heating device.



The note itself calls your attention to the information important for the operation of your heating device in general.

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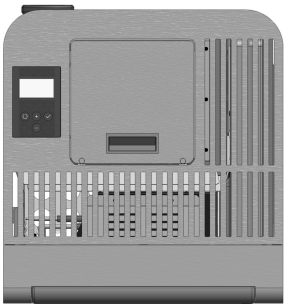
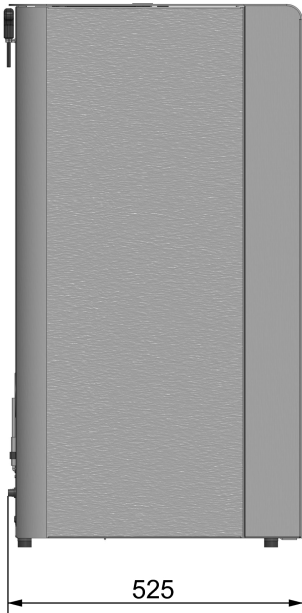
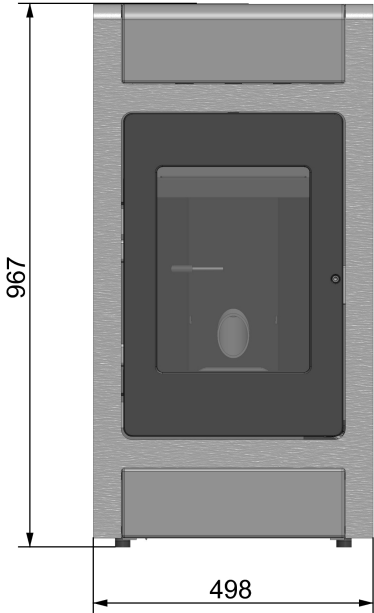


# 1. Technical data

	HSP 2.17 Selina-ST
Heat output range:	2,4 – 8,6 kW
Nominal heat output:	8,0 kW
Height:	967 mm
Width:	498 mm
Depth:	525 mm
Weight:	90 kg
Diameter of flue elbow:	80 mm
Flue gas temperature:	198°C
Test nominal supply pressure:	11 Pa
Test minimum supply pressure:	7 Pa
Flue gas flow rate in g/s	5,7 g/s
CO level in flue gas (%) (min./max.)	0,014/0,02 %
Efficiency:	90 / 94 %
CO level in flue gas:	175/250 mg/Nm <sup>3</sup>
NOx level in flue gas:	149/- mg/Nm <sup>3</sup>
OGC level in flue gas:	5/5 mg/Nm <sup>3</sup>
Proportion of dust in flue gas:	5/- mg/Nm <sup>3</sup>
Contents of storage container (pellet tank):	ca. 17 kg
Duration of burn with one charge (min./max.):	ca. 10 h / 30 h
Permitted fuel: Low-dust wood pellets	Diameter: 6 mm
to Ö-Norm M 7135, DIN plus, EN plus-A1	Lenght: max. 30 mm
Room heating capacity depending on the home insulation	max. 230 m <sup>3</sup>
Electricity supply:	230 V (50 Hz)
Electricity supply input (min./max.)	30 bis 50 W
in normal operation:	
Electric ignition (for max. 15 minutes on ignition):	400 W
Electronics fuses: (F3)	T 0,315 A, 250 V
Fuses for the ignition, screw conveyor motor, induced draught, (F1,) (F2 reserve)	T 3,15 A, 250 V

# 2. Dimensions

Dimensions



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# 3. Cleaning work



## WARNING

Before starting any cleaning work, the stove must be cool down and set to "Off"! Once the cleaning work is completed, the correct operating status of the device must be re-established: Put the combustion pot in correctly, close the combustion chamber door.

### 3.1. Cleaning the surface

Dirt on the upper surface of the stove may be cleaned off with a damp cloth or if necessary with mild soapy water. You are advised against using corrosive cleaning agents and solvents since these might damage the surfaces.

### 3.2. Cleaning the glass panel

To clean the viewing panel, you must first open the stove door. Dirt on the glass panel can be removed with a glass cleaner or with a damp sponge on which you have sprinkled some of the wood ash present. (Environmentally friendly). Cleaning the glass panel may only be done with a cooled down stove in the OFF operating mode.

### 3.3. Clean combustion chamber “function instruction” error F040

- The entire combustion chamber is to be cleaned with an ash vacuum cleaner at intervals of no longer than **20 operating hours**.
- However, this instruction to clean the combustion chamber (display flashing) does not trigger an error message during Heating mode.
- If the combustion chamber is now cleaned, then the “Clean combustion chamber” error message will thereafter be cleared automatically. A precondition for the automatic clearance of this error message is that the combustion chamber door is open for longer than 60 seconds. This time is required for cleaning the combustion chamber including the burner thoroughly with an ash vacuum cleaner. If the door is open longer than 60 seconds in “Off” operating status, then the operating hours counter, which is responsible for the “Clean combustion chamber” instruction, is automatically reset to zero.
- This reset of the operating hours counter occurs even if the cleaning of the combustion chamber is performed before the 30 operating hours have run provided that the stove is in “Off” operating status and the door is open for longer than 60 seconds during cleaning.

### 3.4. Cleaning the combustion pot -weekly

During operation, deposits may form in the combustion pot. How quickly the combustion pot becomes dirty depends solely on fuel quality. The deposits or encrustations must be removed from time to time.



## **WARNING**

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If this is not done, the clinker will continue to accumulate. Then the device will no longer be able to ignite properly. Pellets can pile up in the combustion pot. In extreme cases, this can reach all the way back to the pellet chute. Backfire in the pellet container and smouldering in the pellet tank might possibly result.

**This will destroy your device and is not covered in your guarantee.**

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## **WARNING**

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**Cleaning the combustion pot may only be done with a cooled down stove in “OFF” operating mode. Otherwise there is a risk of burns!**

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- Take out the burner bowl from the stove.
- Remove the remains of ashes and slag.
- After the cleaning, mount the burner bowl back to its proper position on the burner rest.
- Re-check the proper seating of the burner bowl, in order to avoid any lack of tightness.



# 4. Maintenance work



## WARNING

During the maintenance tasks, the mains plug must be pulled out of the power supply socket (always in advance)!

The frequency of maintenance in turn depends to a large extent on the pellet quality (ash content). Quality pellets have a low ash content of about 0.2-0.3%. However, if the ash content is higher (0.5% and over), the interval from maintenance to maintenance is reduced and the accumulation of ash increases by 2 or 3 times.



## WARNING

Devices that are not maintained in accordance with our specifications must not be operated. Failure to observe this point will invalidate all guarantee claims.

## 4.1. Cleaning the flue gas passes - annual maintenance



### CAUTION

Check and clean the flue-gas ways, exhaust (flue-gas) fan and flue-gas ducts at the latest after 1000 kg of pellets have been consumed. Clean with a brush or an ash extractor. Please perform the cleaning in two steps:

To clean the flue gas passes, proceed as follows:

- Disconnect the flue baffle (1) from the guide by lifting it. Draw the right cladding (2) down out of the guide and place it down in the ash space. Then the flue baffle can be removed and the upper part of the combustion chamber can be cleaned. (See Figure 8a).
- Then remove the right side wall. This is fixed with screws (1) at the back and at the front with 3 connectors. Remove the screws from the back and pull the side wall off sideways. (See Figure 8b).

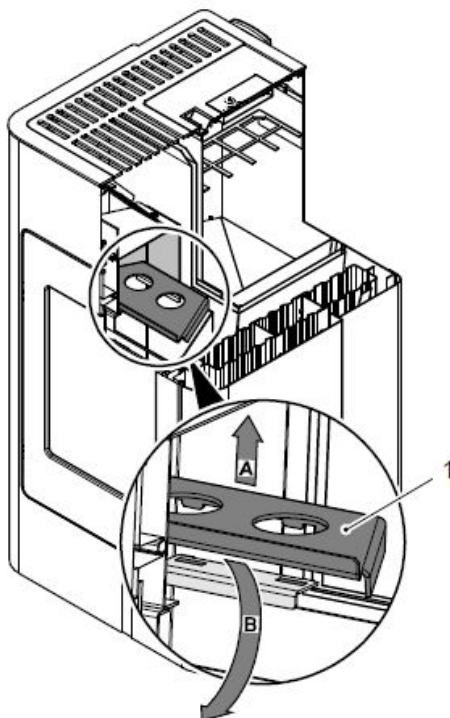
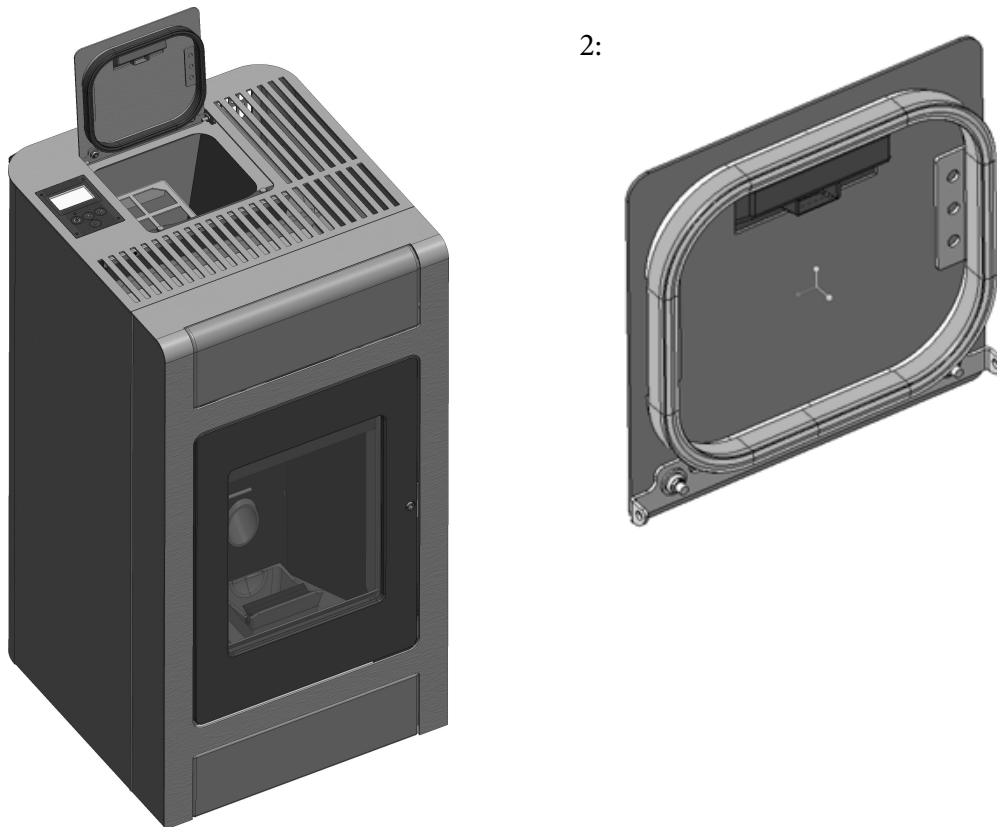


Figure 8a: Removing the flue baffle



## 4.2. Cleaning the pellet container - annual maintenance

- Heat the pellet stove until the storage tank is completely empty.
- Then the protective grille (1) in the pellet tank may be removed.
- Then clean the tank and the intake of the screw conveyor housing with a vacuum cleaner.
- After cleaning, it is essential to put back the protective grille. When doing this, make sure that no screws fall into the pellet tank so as to avoid consequential damage to the screw conveyor.



**Figure 7: Pellet tank**

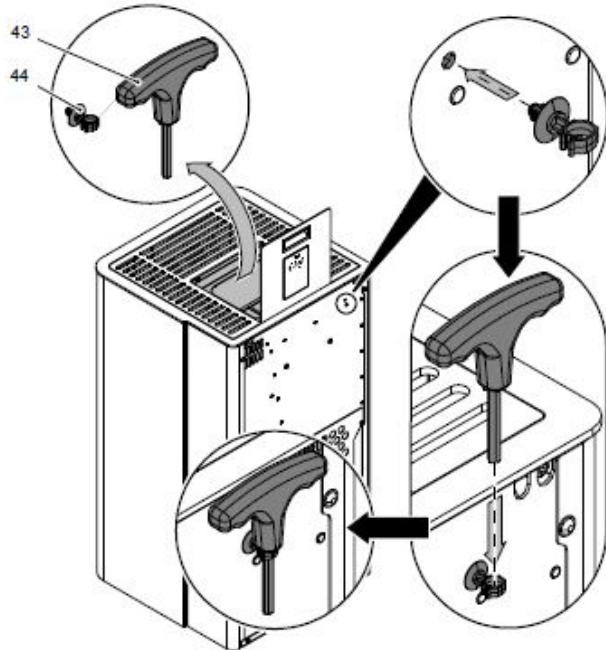
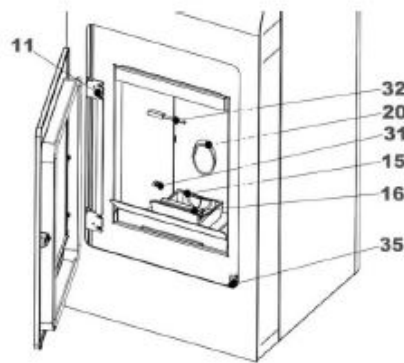
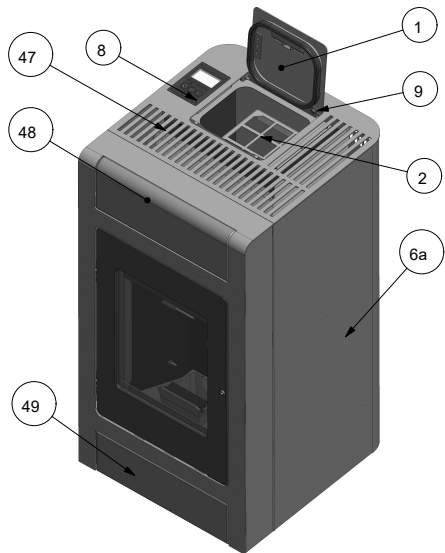
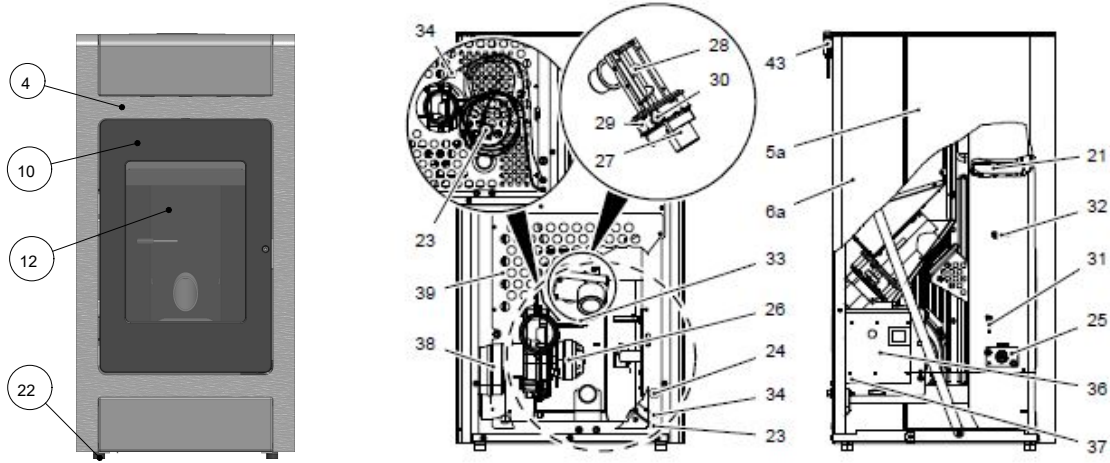
- 1 Protective grille
- 2 Tank cover

## Maintenance work

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# 5. Replacement parts list

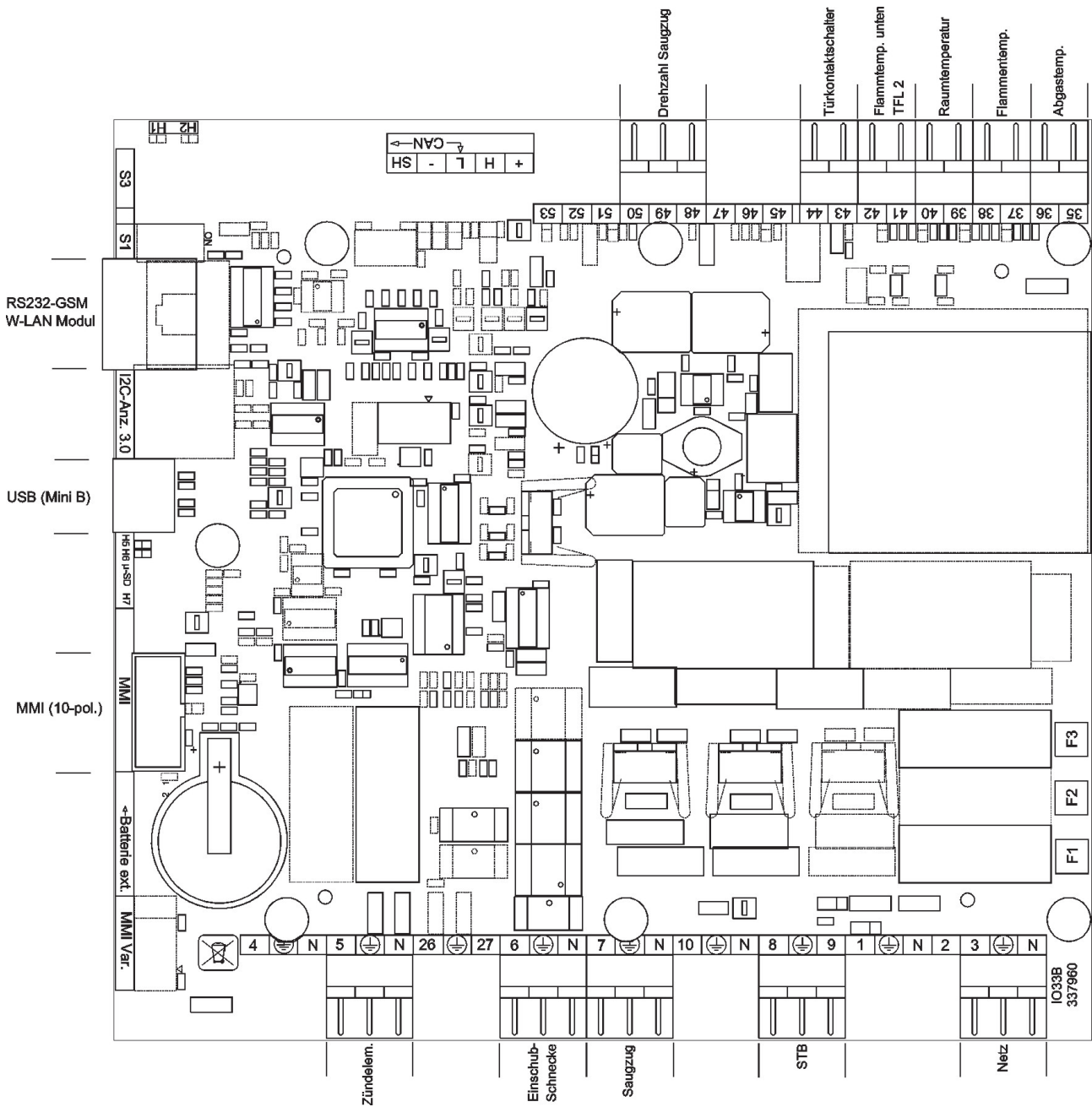
## 5.1. Replacement parts list HSP Selina-ST



Pos.	Description	Qty, pcs	No.PR HSP 2.17 Selina-ST 05 714 07 07 0000	No.PR HSP 2.17 Selina-ST 05 714 07 08 0000	No.PR HSP 2.17 Selina-ST 05 714 07 12 0000	No.PR HSP 2.17 Selina-ST 05 714 07 13 0000
<b>Ersatzteilli</b>						
4	Front plate pearl-black	1	0571407086200	0571407086200	0571407086200	0571407086200
10	Complete combustion chamber door	1	0571207005300	0571207005300	0571207005300	0571207005300
11	Door hinge pearl-black	1	0571207005034	0571207005034	0571207005034	0571207005034
12	Glass panel	1	0571207005301	0571207005301	0571207005301	0571207005301
	Sealing strip, glass panel 10x4		0040210040005	0040210040005	0040210040005	0040210040005
	Sealing strip, combustion chamber		0040300110005	0040300110005	0040300110005	0040300110005
1	Tank seal pearl-black	1	0571407056146	0571407056146	0571407056146	0571407056146
1b	Sealing strip (1000mm)	Meter	0561008006197	0561008006197	0561008006197	0561008006197
9	Cover hinge pins		0030110500181	0030110500181	0030110500181	0030110500181
6a	Side wall rear left pearl-gray	1	0571407076116	0571407076116	0571407076116	0571407076116
6b	Side wall rear right pearl-gray	1	0571407076118	0571407076118	0571407076118	0571407076118
2	Protective grille	1	0571407005921	0571407005921	0571407005921	0571407005921
15	Combustion pot	1	0571207005751	0571207005751	0571207005751	0571207005751
16	Combustion tray		—	—	—	—
20	Pellet chute	1	0571207005120	0571207005120	0571207005120	0571207005120
21	Draught baffle plate	1	0571207005701	0571207005701	0571207005701	0571207005701
43	Allen key 6 mm	1	9001700060005	9001700060005	9001700060005	9001700060005
22	Stand	4	0561008006941	0561008006941	0561008006941	0561008006941
23	Mains cable	1	0089500990000	0089500990000	0089500990000	0089500990000
	Cable screw conveyor motor with		—	—	—	—
25	Ignition 350 W	1	0561008005202	0561008005202	0561008005202	0561008005202
24	OC	1	0571207005840	0571207005840	0571207005840	0571207005840
26	Induced draught fan	1	0571207005820	0571207005820	0571207005820	0571207005820
27	Screw conveyor motor	1	0089500880005	0089500880005	0089500880005	0089500880005
28	Screw conveyor	1	0571207005030	0571207005030	0571207005030	0571207005030
30	Lower screw conveyor bearing	1	0089000340008	0089000340008	0089000340008	0089000340008
29	Motor plate	1	0571207007080	0571207007080	0571207007080	0571207007080
31	Bottom temperature sensor	1	0561008005543	0561008005543	0561008005543	0561008005543
32	Flame temperature sensor	1	0571207007539	0571207007539	0571207007539	0571207007539
33	Flue gas thermosensor	1	0561008005540	0561008005540	0561008005540	0561008005540
34	Room temperature sensor	1	0089500390005	0089500390005	0089500390005	0089500390005
35	Door contact switch	1	0561008006510	0561008006510	0561008006510	0561008006510
36	Complete control unit	1	0541908005569	0541908005569	0541908005569	0541908005569
37	Backup battery	1	CR2032	CR2032	CR2032	CR2032
38	Heat exchanger	1	0571207006020	0571207006020	0571207006020	0571207006020
39	Back wall	1	0571407005971	0571407005971	0571407005971	0571407005971
44	Holder		—	—	—	—
47	Upper cover pearl-black	1	0571407006160	0571407006160	0571407006160	0571407006160
48	Upper Stone rainbow	1	0571407076121	—	—	—
49	Botton Stone rainbow	1	0571407076122	—	—	—
48	Upper Stone speckstein	1	—	0571407086121	—	—
49	Botton Stone speckstein	1	—	0571407086122	—	—
48	Upper Stone whiterock	1	—	—	0571407126121	—
49	Botton Stone whiterock	1	—	—	0571407126122	—
48	Upper Stone woodstone	1	—	—	—	0571407136121
49	Botton Stone woodstone	1	—	—	—	0571407136122

# 6. Circuit diagram

Circuit diagram IO 33.3



Circuit diagram



**Description Circuit diagram:**

No.:	Description Cable harness
3	Mains plug / mains filter
5	Electric ignition
6	Screw conveyor motor
7	Induced draught
8.IX	OC
35/36	Flue gas temperature sensor
37/38	Flame temperature sensor
39/40	Room temperature sensor
41/42	Bottom flame temperature sensor
43/44	Door contact switch
48-50	Flue gas fan rotation speed
F1	Fuse T 3,15A ignition, induced draught fan, screw conveyor motor
F2	Fuse T 3,15A reserve
F3	Fuse T 0,315A operator console