SCHULZE

Instruction Manual

Version 10.01

Heat press

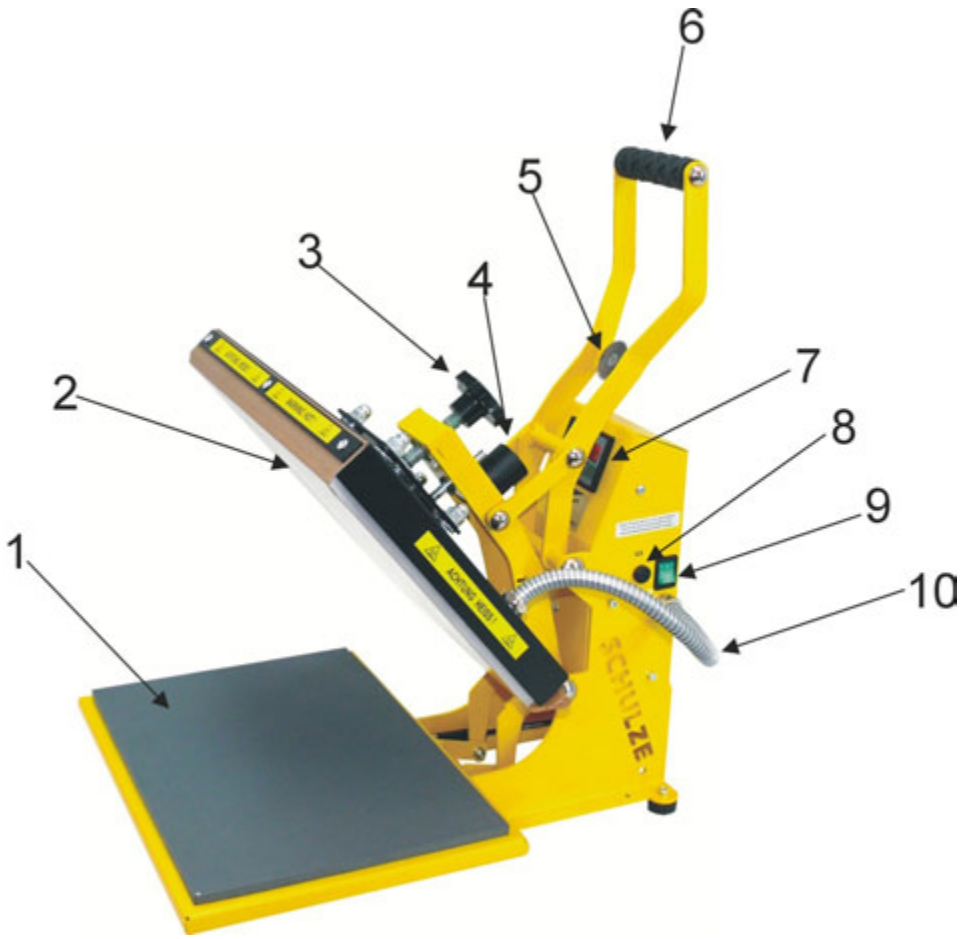
BluePRESSLine

Size 1-S
Size 2-S

1. Introduction

1.1 Content

1.2 Illustration of the heat press



1. Base plate
2. Heating plate
3. Contact pressure adjustment
4. Electromagnet
5. Lock plate for the electromagnet
6. Pressure lever with rubber handle
7. Electronic divices
8. Main fuse
9. Main switch
10. Spiral tube

1.3 Technical Data

Dimensions of the press:..... 54 x 41 x 39 cm
Dimensions of the press:..... 59 x 40 x 39 cm
Working plate: ..... 28 x 38 cm
Workingplate ..... 38 x 38 cm
Weight 28 x 38 cm..... 24 kg
Weight 38 x 38 cm ..... 25 kg
Operating voltage ..... 230 VAC
Rated power 28x38 cm ..... 1,3 kW
Rated power 38x38 cm..... 1,7 kW
Max. pressure: ..... 350 kg
Start up time..... ca. 15 min
Temperature range..... 90 - 220 °C
Time settings..... 1sek – 20 min
Economic Mode: ..... yes
Prepressing: ..... yes

1.4 Accessory

The heat press may be equipped with a position laser and an enlargement plate. The dimension of the enlargement plate are 48 x 68 cm or 55 x 69 cm.
Instructions on how to fit the additional equipment can be found chapters 3.9 and 3.10.

1.5 Safety arrangements of the heat press

The BluePRESSLine press S is equipped with different safety arrangements, to make a safe usage possible.

Main fuse 10A

The main fuse 10A is placed on the top of the heat press. In case of overcharge the main fuse prevents the heat press from getting damaged. Once the fuse was activated it must be replaced. The instruction for the exchange you can see in chapter 4.3.

Fuse 1,6A

This fuse is placed in the 12VAC power supply in the upper part of the heat press. It saves the 12VAC circuit of an overcharge. Once the fuse was activated, it has to be replaced. The instruction for the exchange you can see in chapter 4.6.

Thermal fuse

The thermal fuse is placed in the left corner on the heating plate and stops the power supply, if the temperature is exceeded too much.

Acoustic signal

3 Seconds before the end of the pressing process an acoustic signal will sound.

Automatic switch-off

If the press doesn't get opened within 15 seconds after the pressing process, the heating element switches off automatically to avoid fire hazard and overheating.

1.6 Safety arrangements at the workspace

Testing the heat press

After a correct installation of the press it is important to ensure that the press works properly, isn't damaged and has no safety defects. The testing can only be done by the employer or other authorized persons and is mandatory to guarantee correct installation and safe usage of the press.
If any irregularities regarding functionality or safety are found during the testing, these have to been noted and reported to Walter Schulze GmbH in written form within 7 days. Until clarification the press can not be used.

Information and Education

According to § 81 industrial relations law and § 14 employment protection law the employer has to make arrangements to give all information about the function and the range of application to the user.
In particular the user needs to be acquainted with the complete manual and be explicitly informed of the dangers of working with the press. The details have to be explained in a coherent form and language.

Safety distance and ventilation

The press has to be installed at a place which gives enough space on both sides to put the material on.
The space in front of the press has to be wide enough to let nothing disturb the user at work.
Using the press with certain materials may create a strong smell. That’s why the user should evaluate the need for a ventilation system at the workplace.

Safety instruction:

- The press should only be used by trained personal after notice of this manual
- Only one person is allowed to work on the press at a time.
- Beware of heating plate – risk of burns.
- The plug has to be pulled out of the power outlet while maintenance.

2. Initiation

2.1 Tips for transport

The BluePRESSLine S is covered with a cardboard for transport. Right after the receiving you should check if the cardboard and the press are in good condition. Later on, if you have to send the press somewhere, we ask you to cover the press with the same cardboard and in the same way. The press has to be cold and the pressure lever has to be pulled down.

2.2 Installation of the heat press

The heat press is delivered in a cardboard. After unpacking and connecting heat press can be worked with. The BluePRESSLine S heat press do not need any other installations.

2.3 Power supply

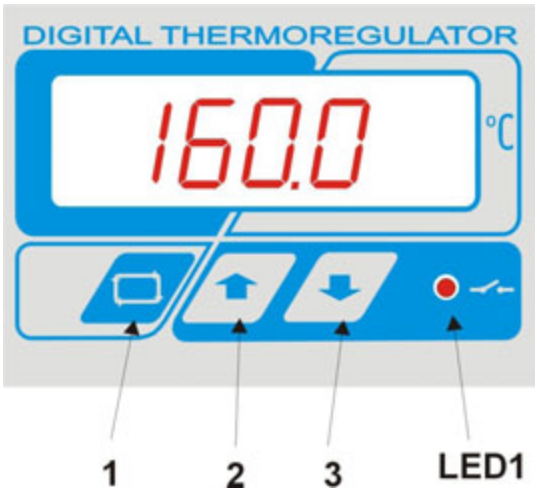
The BluePRESSLine S has to be connected to a voltage of 230VAC/ 50Hz. The press is equipped with a plug. Make sure that the power outlet is in the right condition and that the grounding is connected to the power outlet.

2.4 Initiation of the heat press

While powering up the press, the movable part has to be in the upper position, which means that the press has to be open. The press also has to be open while heating up. The press can be turned on with the green switch. If the green switch glows the press heats up to the adjusted temperature. After finishing the work with the press the switch has to be turned off and the plug has to be pulled out.

3. Working with the heat press

3.1 Programming of electronic devices



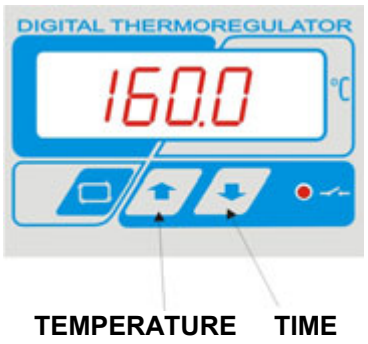
After switching on the press, the current temperature is shown is shown on the display and the press heats up.

Change settings:

1. The programming mode shows up when you press **Button 1** for about 5 seconds, until the LED1 blinks up.
2. 2. LED1 blinks and the programmed temperature shows up. The programming mode is activated.
3. The temperature gets programmed with button 2 and 3**.**
4. Press **Button 1** shortly.
   On the display you now can see the programmed time. You can adjust the time by pushing Button 2 and 3.
5. Press **Button 1** shortly.
   The display shows the programmed time for pre-pressing
   With the Buttons **2** or **3** you can change the pre-pressing time
6. Press **Button 1** shortly to save the changes and leave the programming mode.
   All settings are saved.

   or

6. To get to the ECO programming, press **Button 1** for 3 seconds.
7. With **Button 2 and 3** you can switch between the ECO modes:
   „Eco 0" - ECO Mode turned off,
   „Eco 1" - ECO Mode turned on, after 30 minutes temperature drops 50°C, then after 60 minutes the heating elements turn off.
   „Eco 2" - ECO Mode turned on, after 60 minutes the temperature drops 50°C, then after 60 minutes the heating elements turn off.
   „Eco 3" - ECO Mode turned on, after 120 minutes the temperature drops 50°C, then after 60 minutes the heating elements turn off.
8. Press **Button 1** shortly.
   With **Button 2 and 3** you can select the desired sound
9. To leave the programming mode press **Button 1.**



Control of the adjusted temperature

If you want to control which temperature is adjusted at the moment, press **button 2(+)**. The temperature shows up on the display.

Control of the adjusted time

If you want to control which time is adjusted at the moment, press **button 3(-)**. The time shows up on the display.

3.2 Bugfixing of the electronic devices

The electronic devices of the Swing S Duo heat press control the main functions of the press.

Here is a list of possible messages:

ERR.1 – No connection of the electronic devices to the temperature sensor, (**Temperature sensor defect/** cable not connected)
ERR.2 – Connection of electronic devices and temperature sensor bypassed , (**Temperature sensor defect/**)
ERR.3 – Resistor of temperature sensor too low. The temperature range of the electronic devices is deceeded.
ERR.4 – Resistor of temperature sensor too high. The temperature range of the electronic devices exceeded.
ERR.5 – No temperature rise within 3 minutes even if heating element is switched on. (**Temperature fuse is defect**)
ERR.6 – No reduction of the temperature within 3 minutes even if heating element is turned off. **(Power relay CRYDOM is defect)**
ERR.7 – Temperature too high, over 230°C **(Power relay CRYDOM is defect)**

ERR.3 and ERR.4 can occur if the electronic devices are not programmed properly.

3.3 "ECO" Mode

The "Eco" Mode is a special economic mode, which cools down the momentarily unused press about 50°C and turns off the heating elements later. Both will be signaled acoustically.

	temperature decreases about -50°C	turn off the heating elements later
ECO 0	-	-
ECO 1	30 Minute	60 Minute
ECO 2	60 Minute	60 Minute
ECO 3	120Minute	60 Minute

The press gets activated again by pushing any button at the press.

3.4 Pre-pressing

The BluePRESSLine S heat press has a new function, the pre-pressing. Before closing the press, push **Button 1** shortly (1 sec) to start the pre-pressing.

3.5 Application range and sample adjustments of the press

This press is used to put transfers and transfer films on textiles. To get good results, get in contact with the producer of the textiles.
Here are some settings:

Film Flex	150°C – 160°C	Time 15 Seconds
Folie FlexS	155°C – 160°C	Time 15 Seconds
Folie A-Flex	155°C – 160°C	Time 15 Seconds
Folie Flock	160°C – 180°C	Time 15 Seconds
Sublimation	190°C – 205°C	Time 50 Seconds

All indications without warranty, please run your own testing before production.

3.6 Pressure adjustments

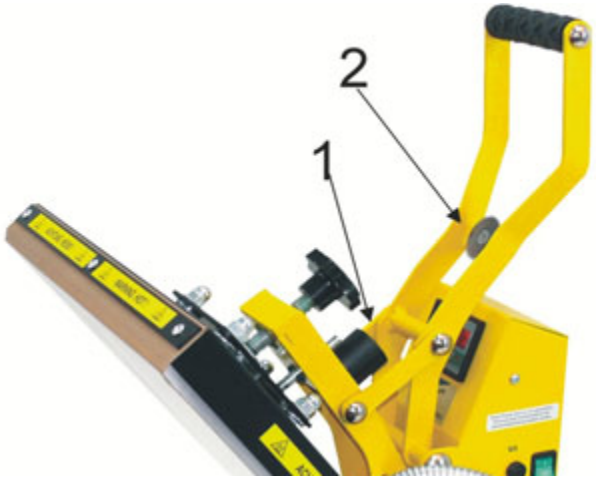
The pressure gets adjusted at the rotary knob on the upper lever. The pressure can only be changed when the heat press is opened. If the pressure is too high the heating plate could be damaged. Because you can't read the pressure on a display, you have to do tests to make sure the pressure is right.

You can adjust the pressure very exactly. To do this, follow this explanation:

1. Put a textile on the workplate.
2. Close the heat press and control the pressure, after that, open the heat press.
   - Turn the knop right to increase the pressure.
   - Turn the knop left to decrease the pressure.

3.7 Adjustment of the electromagnet

The electromagnet has the function to hold down the pressure lever while pressing and to release it automatically after the preset time has expired. The electromagnet is adjusted at the factory and must not be changed.



3.8 Adjustment of the tension springs

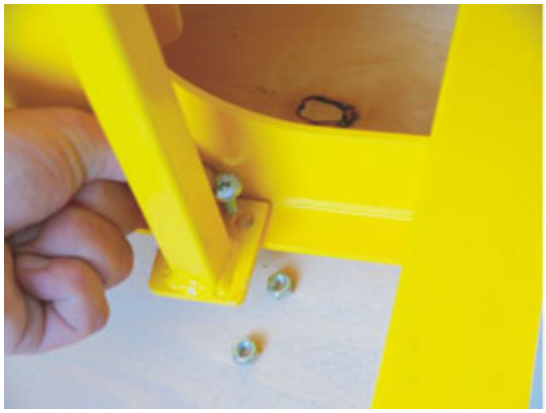
If you notice that heat press is not opening exactly and is too near to the base plate, you can change the adjustment of the tension springs. Put the heat press at the backside on the table. Turn the tension springs with a 17 mm wrench 2- 3 rotations to the right. After that you should check your new adjustment

3.9 Mounting the enlargement plate

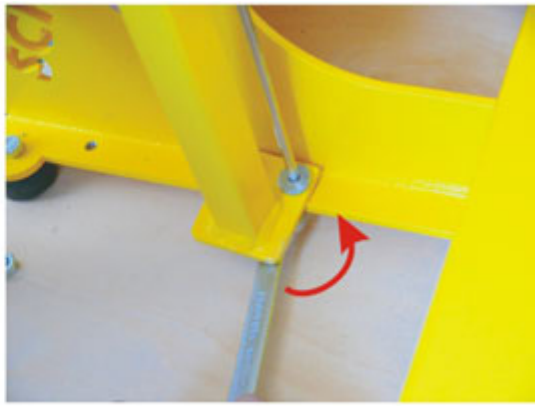
The enlargement plate has be mounted as it is shown in the pictures.

3.10 Mounting the position laser attachment

You have to fix the attachment with 2 screws at the heat press. Because the laser have to be in a solid position, he bolts must fixed very tight



1. Fix the attachment.



2. Fix the screws .

4. Maintenance

4.1 Daily Maintenance

The working surface of the heating plate and the base plate have to be clean. The heating plate can be cleaned with a clean, dry cloth. Avoid contact with the heating plate – risk of burns. The silicon gum can be cleaned with a soft cloth. You can use mild household detergent. Avoid scrub sponges, solvents or fuel.

4.2 Monthly Maintenance

Before beginning maintenance work, **control if the press is turned off and cold. Disconnect the press from electricity**. Some movable parts need to be greased. Greasing is needed after **every 200 hours of usage.** You can take normal car grease which is **heat resistant up to 160°C.**

There are 4 points on the heat press, which have to be greased after 200 hours of usage. While greasing you have to move the pressure lever up and down slowly.

1. At the pressure lever, 2 little chambers **(photo 1).**
2. At the pressure lever, 2 little chambers **(photo 2).**
3. At the lower lever next to the base plate, 2 little chambers **(photo 3).**
4. At the lower lever, 2 little chambers **(photo 4).**

4.3 Replacing the main fuse

If the heat press does not work after switching on, check the main fuse of the press.
The main fuse 10 A is placed at the right side of the heat press **(photo 1)**. To exchange the fuse, **switch off the heat press first and pull the plug**. There are additional fuses in the manual. Then remove the fuse bracket **(photo 1)**. Pull out the main fuse **(photo 2).** Replace the fuse **(photo 3)** and tighten the fuse bracket again **(photo 4).**

4.4 Replacing the electronic devices

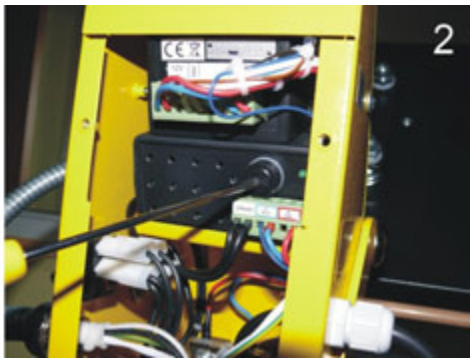
Inside the heat press are the electronic devices, which are controlling the time and the temperature. For an exchange of the electric devices turn off the press and pull the plug. Than take off the cap in the back of the heat press **(photo 1)** and pull out the green connector **(photo 2).** Release the fixation screws **(photo 3 and 4)**. Take out the electronic devices **(photo 5).** Put the green switch into the new electronic devices and reassemble the press again.

4.5 Replacing the power supply

The press is equipped with a power supply 1,5A/12V, which supplies the electric devices with 12V tension. The power supply is placed in the upper part of the press.
To exchange the power supply, **disconnect the press from the electricity first.**. Remove the cover on the back of the press by loosening the 4 screws **(photo 1)**. Pull the green plug **(photo 2)**. Remove the power supply and insert a new one **(photo 3)**. Tighten the cover on the back of the press again

4.6 Replacing the fuse of the power supply

The press is equipped with a power supply 1,5A/12V, which supplies the electric devices with 12V tension. The power supply is placed in the upper part of the press. In the power supply is a LED. This LED can be checked throught the ventilation holes in the back of the press **(photo 1)**.
When LED glows, it is working.
When LED do not glow, the fuse needs to be replaced.
To exchange the fuse, **disconnect the press from the electricity first.** Remove the rear cover, remove the fuse bracket **(photo 2) a**nd replace the fuse. Tighten the cover to the press again.



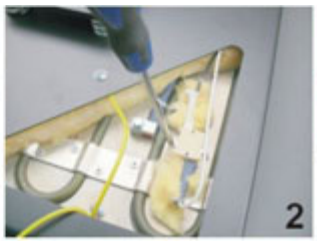
4.7 Replacing the silicon mat

To replace the silicon mat the press has to be cold and disconnected from the electricity. For the exchange you need a new silicon mat, silicon glue, acetone and a notched trowel.

1. Remove the silicon mat completely with a knife .
2. Clean the plate and the new silicon mat with acetone.
3. Put an equal film of silicon glue on the plate using the notched trowel.
4. Put on the new silicon mat.
5. Close the pressure lever gently to press the silicon mat and the plate together.
6. Make sure that the plate and the mat lays exactly over each other.
7. Remove remaining glue or overlapping mat from the edges of the press.
8. Let the glue dry for 24hours. Only then open the press.

4.8 Replacing the thermal fuse

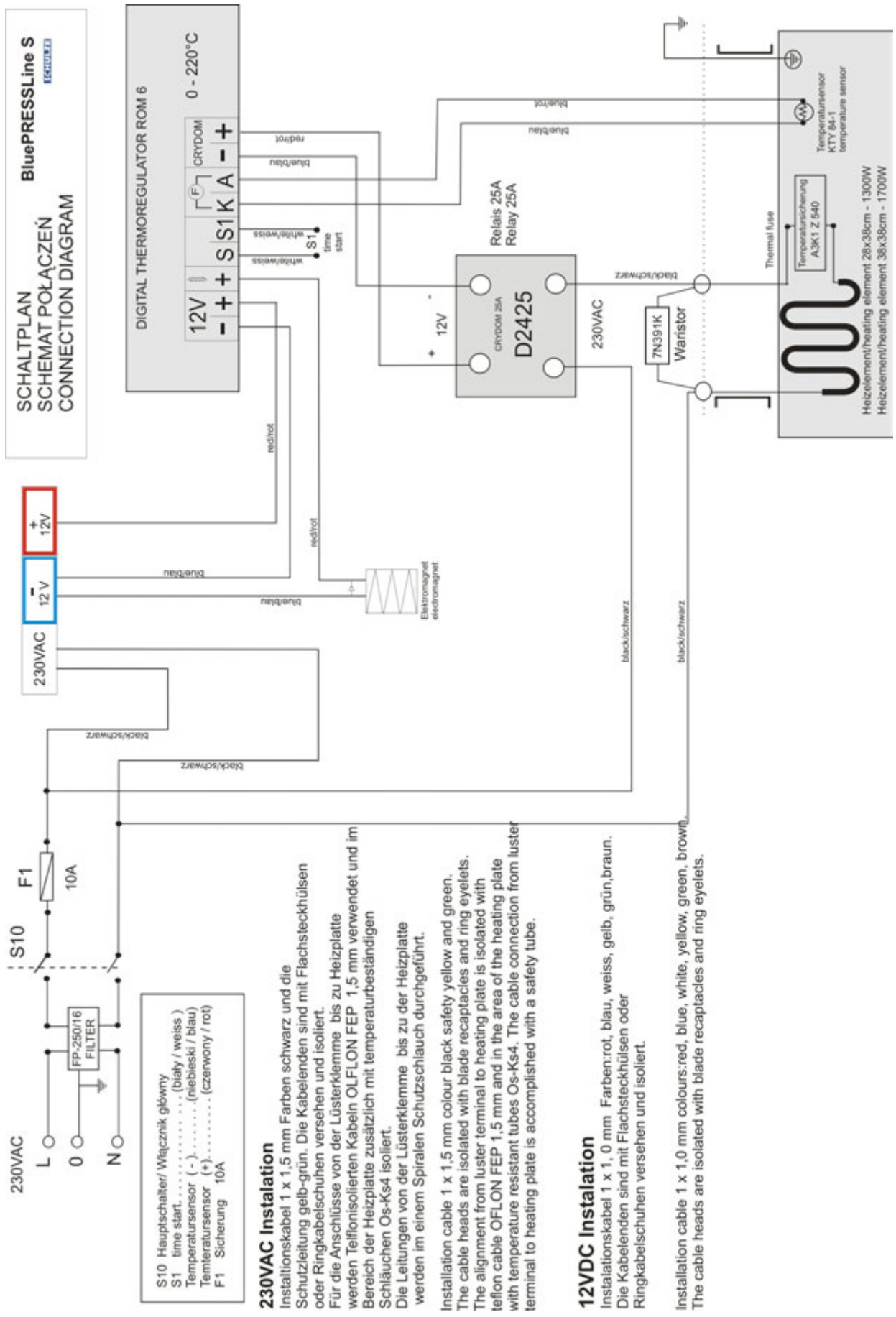
For the replacement of the thermal fuse, the heat press **must be disconnected from the electricity and cold**. Remove the cap from the heating plate and remove the heat isolation **(photo 1)**. Then remove the thermal fuse **(photo 2)** and connect a new one **(photo 3)**. Screw it on the base plate, set in the thermal isolation and screw on the cap.



4.9 Troubleshooting

Problem	Cause	Debugging
Green switch blink, but:	main fuse 10 A is defect	Exchange main fuse 10 A
display doesn´t glow	If main fuse is okay, than check Diode in power supply glows	Exchange fuse 1,6 A in power supply Or – completely exchange of power supply
plate doesn´t heat	if the diode is glowing, than electronic devices are defect	Exchange electronic devices
The display shows "Err. 5"	thermal fuse on heatplate is defect	Exchange thermal fuse See chapter 4.8
The display shows "Err. 1" or "Err. 2"	Temperature sensor is defect or the cable to temperature sensor is brocken	check cable to tmeperature sensor or exchange temperature sensor Please communicate with the service
time doesn´t count down, after closing the heatpress	angle at the START-button bent	Bent the angle while pushing START – button
	START-button is defect	Exchange START - button if time doesn't count down while pressing the start button
No acustic signal after end of pressing	beeper is defect	Exchange electronic devices
The display shows "Err. 6"	solid state relay CRYDOM is defect	exchange solid state relays CRYDOM Please communicate with the service
Button doesn´t work no settings possible in temperature and time	setting buttons are defect	exchange setting buttons
real temperature doesn´t match with temperature Shown on the display – temperature too high/low	breakdown of electronic devices	reset electronic devices

4.10 Connection diagram



4.11 Testing report

Final check of the heat press:

- o - base, paint
- o - greasing of the waves
- o - heating plate and baseplate, silicon, teflon
- o - electronic connection, safety wire, power cable
- o - electronic, max. temperature 220°C
- o - check of all functions
- o - working time at 180°C . . . . . hours
- o - temperature tolernace at 180°C . . . . . -/ . . . . . .+°C
- o - working time at 220°C . . . . . .hours
- o - test with a transfer film
- o - caution labels

Serial number . . . . . Date . . . . . Signature . . . . . .

4.12 EC-Conformance-Declaration **after EC- guideline for machines 2006/46 EC**

The Walter Schulze GmbH
Schmalenbachstraße 15
12057 Berlin

as European representative of the manufacturer company ROMANIK hereby declares that the following machine:

Heat press . . . . . Serial number . . . . . .

is compliant with the specifications of the following EC directives:

Machinery (2006/46)
Low Voltage (2006/95)
EMC (2004/108)

used norms and technical specifications:

EN 292-1 EN 292-2 safety of machines
EN 60204-1 electrical equipment of machines

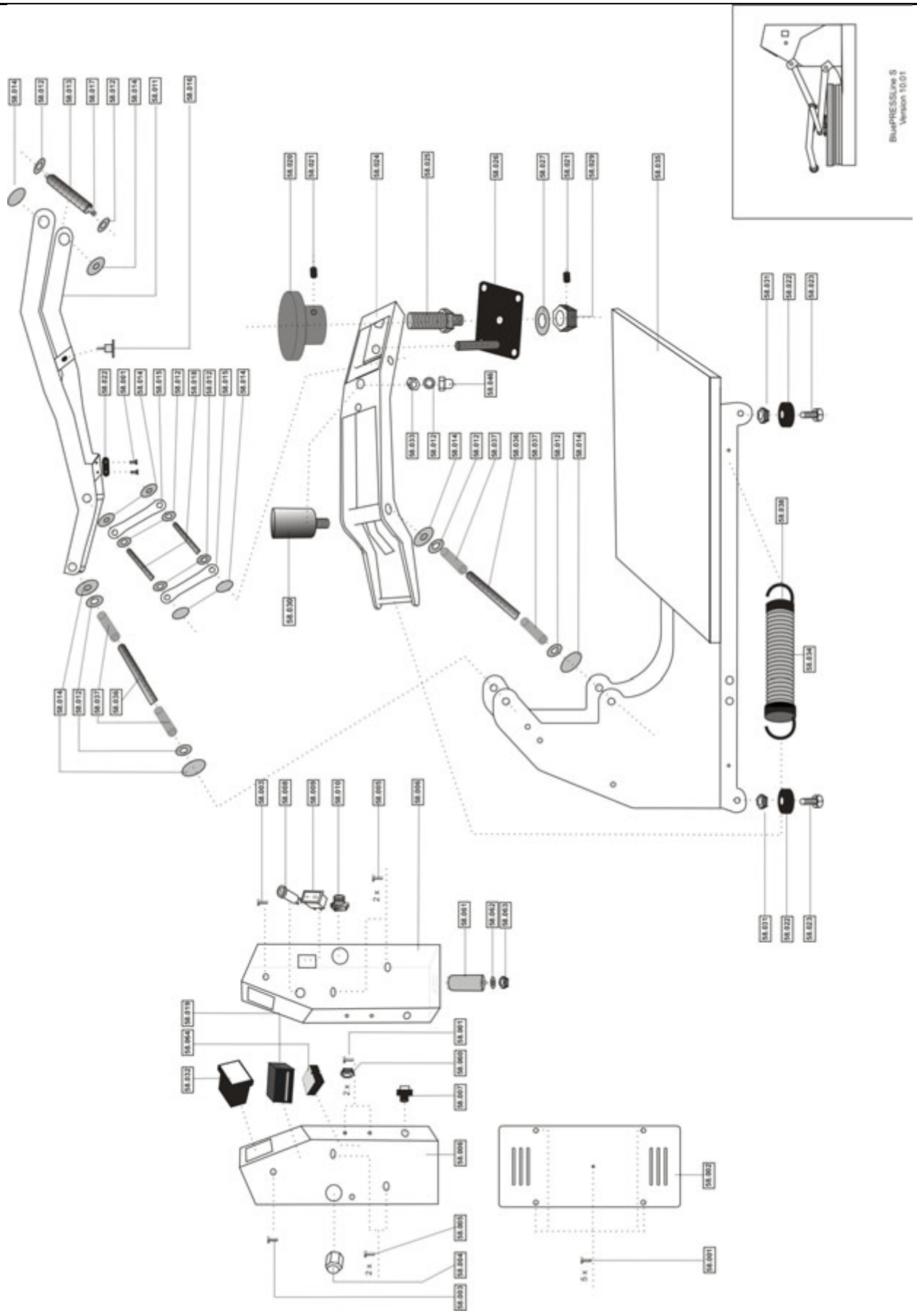
Berlin , ...

_____
Peter Meidinger
President

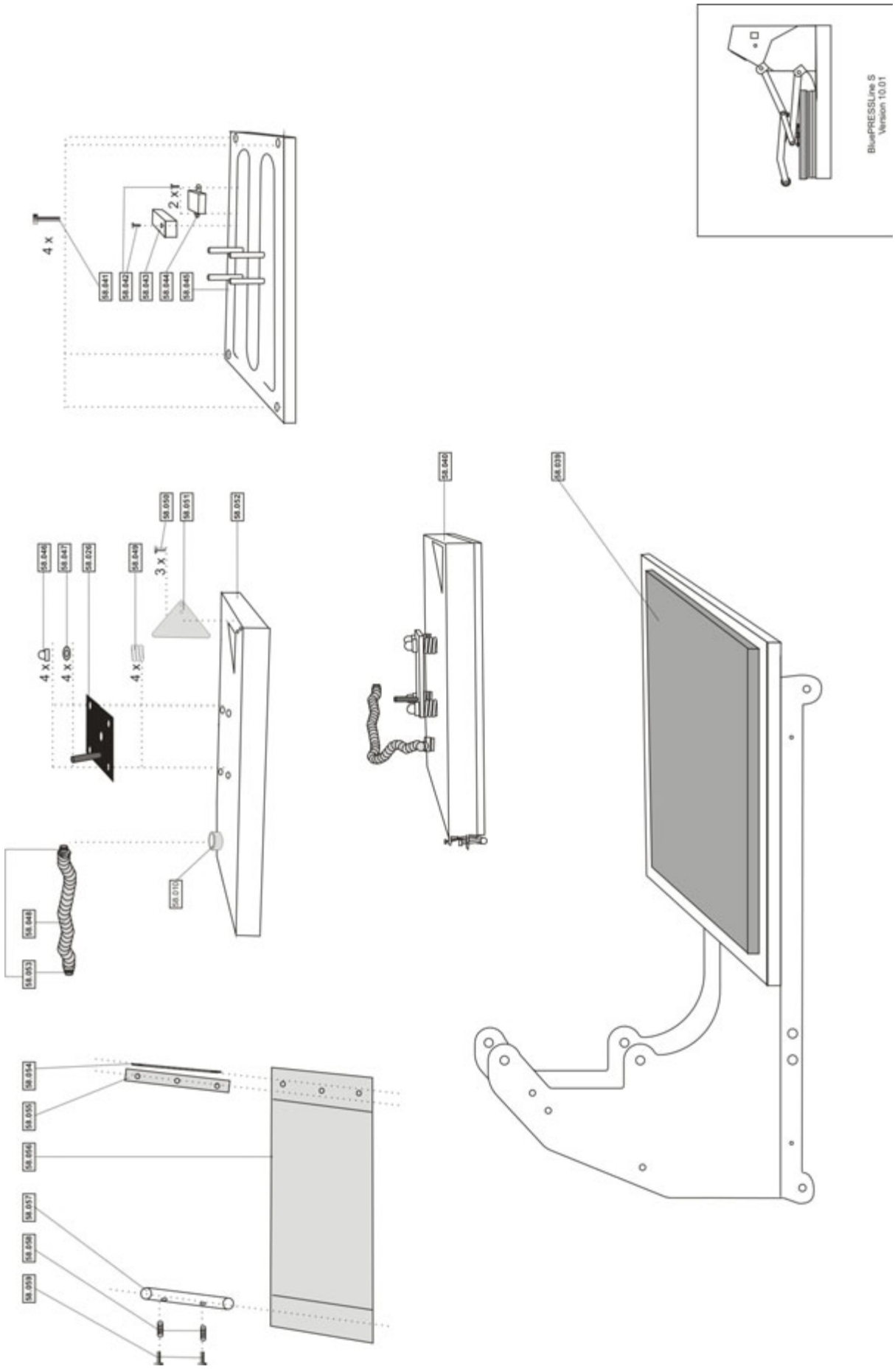
All SCHULZE heat presses are exempt from the waste disposal law under reg. no. DE 231060054.

5. Spare parts and illustrations

5.1 Illustration 1: Heat press



5.2 Illustration 2: Working area



5.3 Table spare parts

Symbol	Description
58.001	Screw M4 x 12
58.002	Cover
58.003	Screw M4 x 30
58.004	Cable gland M16 x 1,5
58.005	Allen screw M5 x 15
58.006	Housing
58.007	Button Rafi Grün
58.008	Fuse bracket
58.009	Main switch
58.010	Connection piece PG 11
58.011	Pressure lever
58.012	Grommet Ø 10
58.013	Handle
58.014	Covering spa
58.015	Connection piece
58.016	Electromagnet plate
58.017	Bolt Ø 10 x 130
58.018	Bolt Ø 10 x 94
58.019	Power supply
58.020	Rotary handle Ø 50 Bonex
58.021	Allen M 5
58.022	Rubber foot
58.023	Screw M 6 x 15
58.024	Pressure lever 2
58.025	Pressure adjustment screw
58.026	Fastening of the heatingplate
58.027	Grommet Ø 12
58.029	Threaded nut M 12
58.030	Electromagnet
58.031	Threaded nut M 6
58.032	Electronic devices
58.033	Threaded nut M 10
58.034	Spring R-30
58.035	Chassis
58.036	Bolt Ø 12 x 145
58.037	Bolt Ø 17 x 2,4 x 26
58.038	Plastic cap Ø 35
58.039	Silicon mat 23 x 38
58.040	Heating plate
58.041	Countersink screw M 4 x 35
58.042	Screw M 5 x 15
58.043	Thermo couple
58.044	Thermal fuse
58.045	Aluminium plate with heating element

Symbol	Description
58.046	Threaded nut M 10
58.047	Teflon cloth
58.048	Spiral tube
58.049	Spring S-01
58.050	Screw M4 x 10
58.051	Triangular cover
58.052	Cover of the heating plate 28 x 38
58.053	Bushing
58.054	Axle Ø 2
58.055	Teflon fastening
58.056	Teflon
58.057	Axle Ø 2
58.058	Spring S-04
58.059	Countersink screw M 4 x 30
58.060	Threaded nut M 4
58.061	Filter
58.062	Grommet Ø 8
58.063	Threaded nut M 8
58.064	CRYDOM