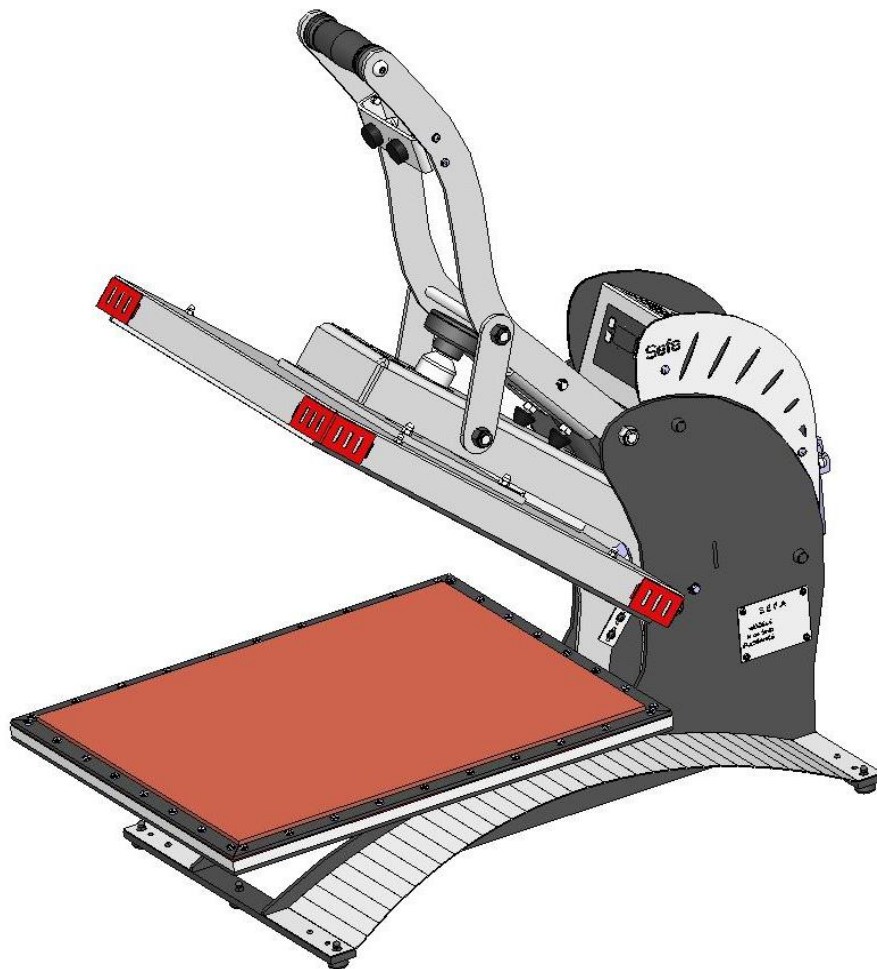


INSTRUCTION MANUAL

AIR CLAM X



CE

S.E.F.A[®]

**Z.I PASTABRAC
11260 ESPERAZA
FRANCE**

Tel : +33 (0)4.68.74.05.89 - Fax : +33 (0)4.68.74.24.08

E-mail : contact@sefa.fr

INDEX

- I. CONDITIONS OF GUARANTEE 3**
- II. SPECIFICATIONS..... 4**
- III. PARTS SUBJECTED TO WEAR AND TEAR 4**
- IV. USING THE MACHINE 5**
 - A. GENERAL POINTS.....5
 - B. INSTALLATION OF THE MACHINE5
 - C. ELECTRONIC BOX.....6
 - D. DESCRIPTIF DU CYCLE TRANSFERT6
 - E. CONTROL PANEL : OVERVIEW7
 - F. USING THE CONTROL PANEL7
 - 1. Pressing time and temperature settings7
 - 2. Preheating cycle8
 - 3. Stop Cycle.....8
 - 4. Recording programmed cycles8
 - 5. Selection of programmed cycle9
 - 6. Parts counter9
 - 7. Warnings9
 - 8. Power save function..... 10
 - G. HEIGHT ADJUSTMENT 10
 - H. PRESSURE ADJUSTMENT 10
 - I. MAINTENANCE 10
- V. QUICK REPAIR ADVICES 11**
- VI. ELECTRIC DIAGRAM 12**
- VII. MAINTENANCE LOG 13**

I. CONDITIONS OF GUARANTEE

- The guarantee period starts the day of putting the equipment into service at the user's place, materialized by the return of the guarantee bill for a duration of two years, 8h per day meaning about 3000 hours.
- The guarantee is strictly limited to our equipment, against the defects of matter and execution, with the buyer's responsibility to prove the known defects.
- Our responsibility is limited to the obligation to rectify or replace free of charge the parts acknowledged as faulty by ourselves, and there will no claim for any indemnity whatever the reason given.
- Parts replaced under the guarantee:
 - remain our property
 - are the subject of an invoicing of deposit
- A credit of cancellation is activated as soon as the faulty parts are returned. The return will have to occur ONE MONTH MAXIMUM after the intervention

THE GUARANTEE DOES NOT COVER:

- The retail consumables such as:
 - Fuses, bulbs, joints, flexible devices, covers, nozzles, filters.....
 - The supplies, which are not our own manufacturing, undergo the guarantee of their manufacturer.

THE GUARANTEE DOES NOT APPLY:

- To replacements, nor repairs which would result from normal wear and tear of apparatus and machines, of deteriorations and accidents coming from negligence, defect of monitoring and maintenance, defective use or modifications without our written agreement.
- In case of vice coming from the material supplied by the buyer, or a design imposed by the latter.
- To repairs which would result from deteriorations or accidents occurred during transport.
- To operations of maintenance and adjustments inherent in the use of the machine, and indicated in the maintenance manual, such as:
 - adjustments of intermediaries
 - Screwing of piping, etc...



For the pneumatic machines, any trace of detergent oil in the pneumatic circuit inhibits the conditions of guarantee previously mentioned.

**For any technical information or spare parts orders,
please give the reference number of the machine as well as its serial number**

II. SPECIFICATIONS

Weight in running order	61kg
Height	534 mm
Depth	878 mm
Width	443 mm
Plate size	400 x 500 mm
Power supply	230 V Single phase + Ground 50/60 Hz
Power	2500 W
Amperage	11 A
Thermo regulator	
Accurate to	+/- 2%
Range of control	0 à 220 °C
Timer	
Accurate to	+/- 1%
Range of control	0s à 9min59s
Pressure	0 à 500 gr/cm ²

Document non contractuel : en fonction des progrès techniques, nous nous réservons le droit de modifier les caractéristiques de nos produits.

III. PARTS SUBJECTED TO WEAR AND TEAR

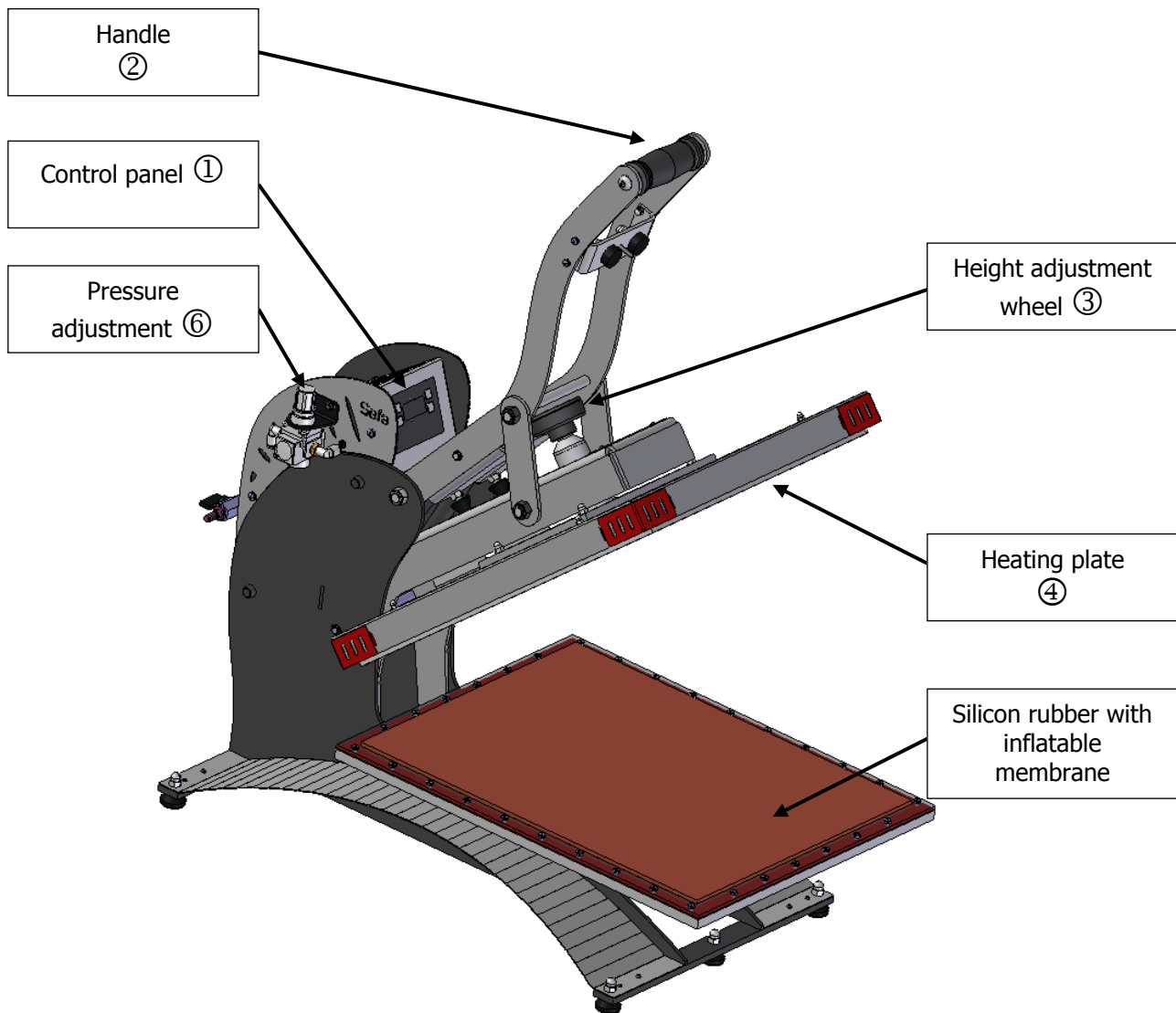
For any order: *precise the description, la reference and the quantity*

Référence	Description	Quantité
CAR-CO2	ELECTRONIC CARD	1
RES-682	HEAT ELEMENT MICA 400x500 2500W	1
SON-189	SENSOR	1
CAP-IND	INDUCTIVE CAPTOR NO M8	1
MOU-540	SILICON RUBBER 400x500 mm	1
RES-BI2	GAS SPRING	1
RES-172	MECHANICAL SPRING	2
FUS-153	FUSE 16 A	1
PLA-MEMBRANE	INFLATABLE MEMBRANE	1
HOU-4555	NOMEX COVER 450x550	1

IV. USING THE MACHINE

This heat seal press machine is standard to the labour laws to ensure the security of the user. Its design allows it to ensure an intensive production while keeping a total reliability.

A. GENERAL POINTS

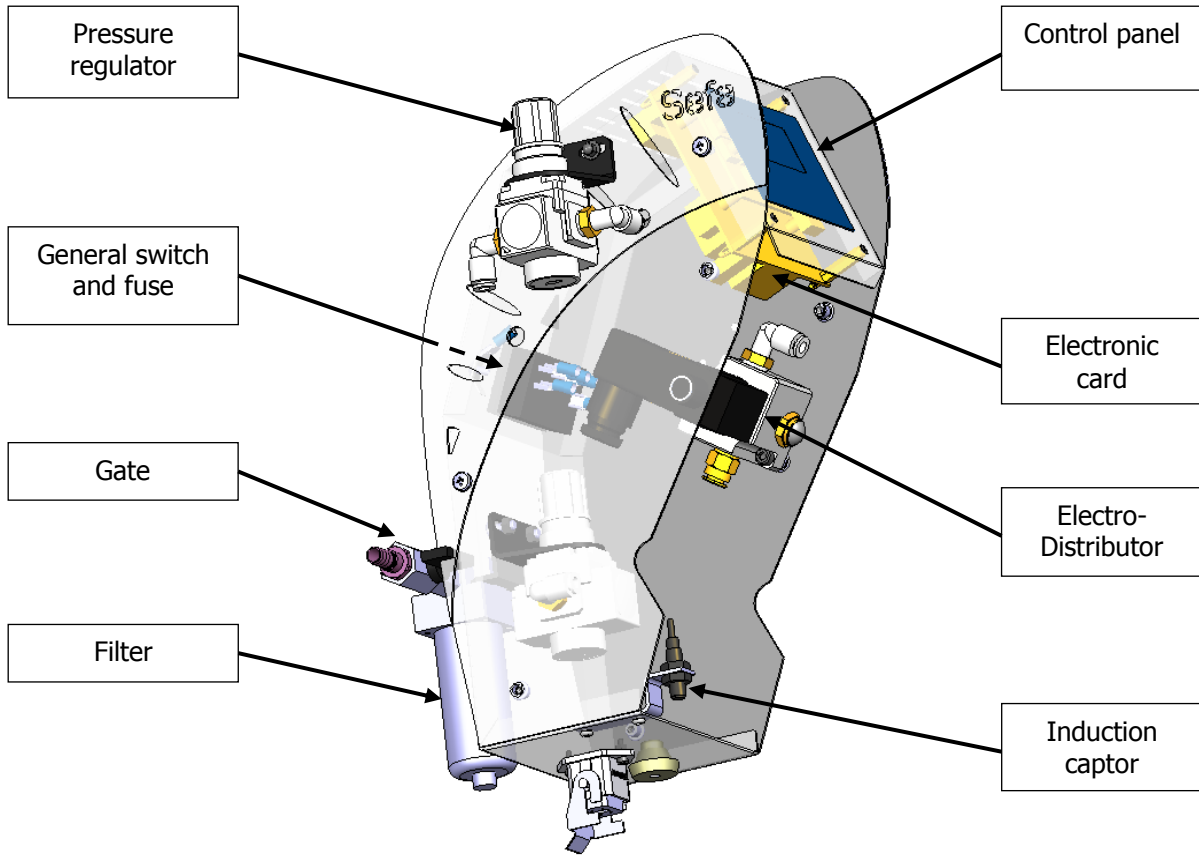


This press was designed for an operator working in front of the machine.

B. INSTALLATION OF THE MACHINE

- Unpack the machine from the box.
- Install it on a safe table.
- To move the press, make sure it is cold and handle it by grabbing both plates (upper and lower) at the same time (machine closed).
- Remove the screw labelled « Transport security » before opening the press.
- Plug the machine electrically (230 Volt + Ground / 50 or 60 Hertz)
- Plug the machine to a compressed air network (2 bar mini, 10 bar maxi).

C. ELECTRONIC BOX



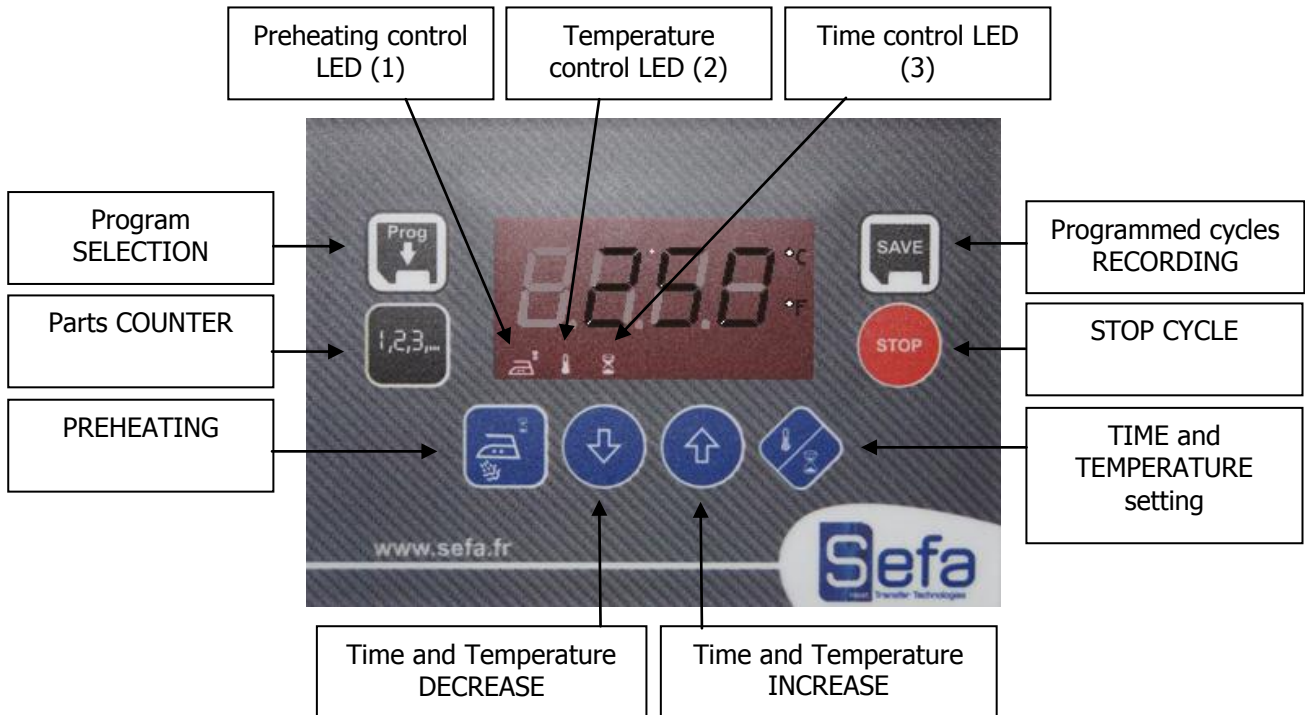
D. DESCRIPTIF DU CYCLE TRANSFERT

- 1) Turn on the machine by switching the general power button.
- 2) Adjust the desired temperature at 180°C (or depending on the type of transfer).
- 3) Adjust the time at 15 Sec (or depending on the type of transfer).
- 4) Adjust the height of the heating plate.
- 5) Install a T-shirt on the lower/cold plate.
- 6) Add your transfer material on top of it.
- 7) Wait until the plate reaches the settled temperature.
- 8) Lower the heating plate using the handle and hold it during 1 second.
- 9) When the plate is in contact with the T-shirt, the membrane inflates automatically.
- 10) At the end of the countdown, the membrane will deflate and the press will open automatically.
- 11) If you want to interrupt the cycle, you can do it by pushing the stop button located on the control panel: the press will open automatically.

Nb : If the membrane is inflated, the press cannot be locked. Press one time on the « STOP » button during countdown while lowering the handle of the machine in order to deflate the membrane. When the membrane is deflated and the press locked, raise the handle.

E. CONTROL PANEL : OVERVIEW

(See number ① page 5)





F. USING THE CONTROL PANEL


1. Pressing time and temperature settings



a) Pressing time

Press TIME/TEMPERATURE key  : the LED ③ lights and indicates that you can set the pressing time. The default value is set to 15 seconds.


You can change this value with the INCREASE key  or the DECREASE  key. Confirm

Confirm the desired value by pressing again on the TIME/TEMPERATURE  key. Now, you can adjust the set point temperature.

b) Temperature

After setting the pressing time, the LED ② lights and indicates that you can adjust the set point temperature. The default value is set to 180° C.

You can change this value by pressing the INCREASE  key or the DECREASE  key.

Confirm the desired value by pressing again on the TIME/TEMPERATURE  key. Now, the press is ready to work.

2. Preheating cycle



The press is provided with a secondary timer for preheating.
This function allows you preheat the textile before installing the transfer.

a) Preheating time setting

Pressing PREHEATING  key, The LED ① lights.

You can change the value with the INCREASE  key or the DECREASE  key.

Confirm the value by pressing again on the PREHEATING  key.

If the value is 0 (default value), the preheating cycle will not be performed.

b) Running

Install the textile without transfer on the plate.

Lower the heating plate : the secondary counter starts and the LED ① lights.

At the end of the countdown, the buzzer rings and the press open automatically.


Install the transfer on the textile and lower the heating plate.

The main counter starts and the LED ③ lights.

At the end of the countdown, the press open automatically.

Nota : the preheating temperature is the same as the set point temperature.

3. Stop Cycle


At any time, you can stop the cycle by pressing the STOP CYCLE  key.
The press open automatically and the countdown stops.


4. Recording programmed cycles



You can record on this press up to 3 programs with different set points.

- Preheating time
- Pressing time
- Temperature

For recording the last set points used, press the RECORDING  key during 3 seconds.
The display lights up with the program name to be recorded (First Pr1).

Choose the program name you want to be recorded by successive pressures on RECORDING  key : Pr1 → Pr2 → Pr3 → Pr1...

Press during 3 seconds on the RECORDING  key to save the program.


The buzzer indicates the recording success.


The default value for the 3 programs Pr1 to Pr3 is :

- 180° C. for the temperature
- 15 seconds for the pressing time
- 0 second for the preheating time

5. Selection of programmed cycle



To select a recorded program, press on the SELECTION  key : the screen displays the last program used. Press the key until the display of the desired program.

Keep the SELECTION  key pressed while 3 seconds to confirm your selection. The buzzer sound indicates the selection success. The temperature set point, the preheating time and the pressing time according to the selected program will be loaded automatically.


6. Parts counter



The press has 2 parts counters :


- An erasable counter, with a possible reset
- A main counter, without reset.

a) Erasable counter

Press one time on COUNTER  key : the screen displays during 5 seconds the number of cycles performed with success since the last reset.

A pressure of 3 seconds will reset the counter.

b) General counter

Press 2 time on COUNTER  key : the screen displays the total number of cycles performed, into hundreds of pressing (Example : 230 indicates 23000 parts). Reset is not possible.

After 3 seconds, the screen returns to the normal display.

7. Warnings

Message on the screen	Due to	Effect
Er1	Temperature probe default	Heating relay off
Err	Card probe default	Heating relay off
Col	Keyboard connection alarm	Relay off

Each alarm is accompanied by the activation of the buzzer, which can be stopped by pressing any key.

8. Power save function



This function can only be programmed by qualified staff: contact your dealer

The press has an energy-saving program, allowing to maintain a set point temperature after a defined time without use.

The default value is « disabled ».

Contact your dealer for the activation of this function.

G. HEIGHT ADJUSTMENT

(See number ③ page **Erreur ! Signet non défini.**)

Turn the wheel on top of the heating plate :

- Clockwise to decrease the height of heating plate,
- Anticlockwise to increase it.

H. PRESSURE ADJUSTMENT

(See number ⑥ page **Erreur ! Signet non défini.**)

1. Pull up the head of the regulator :
 - Clockwise to increase the pressure,
 - Anticlockwise to decrease it.
2. Pressure is displayed on the regulator manometer.
3. Press the regulator head to save the setting.

I. MAINTENANCE

- Every day:
 - ↳ Clean the heating plate with a dry cloth. (See number ④ page **Erreur ! Signet non défini.**)
- Depending on use:
 - ↳ Change the silicon rubber as soon as it is damaged or if it has lost its properties.

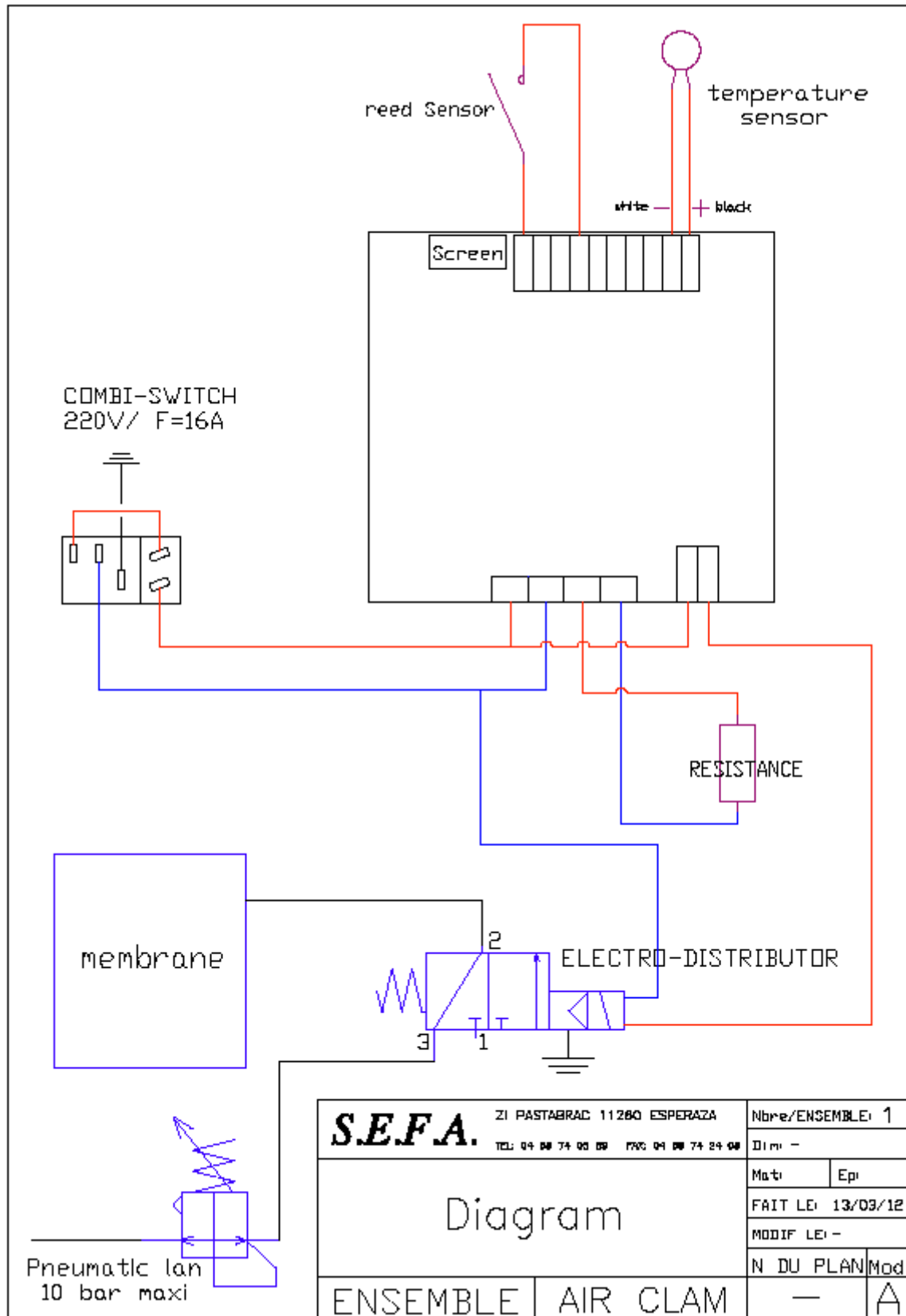
V. QUICK REPAIR ADVICES



All repair and maintenance operations should be done when the machine is turned off and unplugged from the main electric power supply. The heating element can cause burns. The user must ensure the temperature is below 25°C on the display, before any intervention.

<i><u>SYMPTOMS</u></i>	<i><u>POSSIBLE BREACKDOWNS</u></i>	<i><u>REPAIRS</u></i>
The press does not lock	<ul style="list-style-type: none"> ➤ The membrane is inflated 	<ul style="list-style-type: none"> ➤ If the membrane is inflated, the press cannot be locked. Press one time on the « STOP » button during countdown while lowering the handle of the machine in order to deflate the membrane. When the membrane is deflated and the press locked, raise the handle
The plate will not heat	<ul style="list-style-type: none"> ➤ The fuse is out of order ➤ Check the temperature setpoint ➤ Sensor out of order and/or regulator displays ER1. ➤ The electronic car dis out of order 	<ul style="list-style-type: none"> ➤ Si aucun voyant ne s'allume sur la presse, vérifier le fusible et la changer si nécessaire. <i><u>FUSIBLE GENERAL</u></i> situé dans un logement à coté de la fiche du cordon d'alimentation (16A) pour y accéder, retirer le cordon électrique, puis soulever le logement du fusible avec la pointe d'un stylo ou un tournevis. Vous trouverez un fusible de rechange dans le tube carré, à mettre en lieu et place de celui qui se trouve dans la griffe ➤ The checkpoint is minimum : increase the temperature. ➤ Change the sensor. ➤ Check the 220V output from the card to the resistance
The plate overheats	<ul style="list-style-type: none"> ➤ The electronic car dis damaged 	<ul style="list-style-type: none"> ➤ Change the card
The timer doesn't start.	<ul style="list-style-type: none"> ➤ The microswitch is not activated 	<ul style="list-style-type: none"> ➤ Make sure the microswitch tongue is touched by the pressing arm of the machine.
The buzzer rings continuously while the press is opened.	<ul style="list-style-type: none"> ➤ The microswitch is stuck. 	<ul style="list-style-type: none"> ➤ Release the microswitch tongue. ➤ Change the microswitch.

VI. ELECTRIC DIAGRAM



VII. MAINTENANCE LOG

The control and maintenance operations indicated in this table must be done regularly so as to check the functioning state and the reliability of the press.

Date	Number of hours	Pressure control	Air filter control	Air Cylinder control	Rubber state	Resistors control	Changed parts	Observations

In order to facilitate the filling of the table, it may be useful to use the following code:
 C: Control N: Clean R: Replace