

INSTRUCTION MANUAL BR 160 3CS

CE

S.E.F.A®

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I. CONDITIONS OF GUARANTEE

- The guarantee period starts the day of putting the equipment into service at the user's place, for a duration of one year and for a common use of 8 hours per day.
- The guarantee is strictly limited to our equipments, 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, transformers, joint, flexible devices...
- 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... do not enter the clauses of guarantee.



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

Poids en ordre de marche / Weight in running order	60 kg
Hauteur / Height	700 mm
Profondeur / Depth	505 mm
Largeur / Width	783 mm
Dimension du plateau / Dimension of the heating plate	160 x 160 mm
Alimentation électrique / Electric power supply	220 V Monophased + earth 50/60 Hz
Alimentation pneumatique / Pneumatic power supply	10 bars maximum
Puissance / Power	1 800 W
Ampérage / Ampérage	8 A
Régulateur électronique de température à affichage digital / Thermoregulator	
Précis à / Accurate to	+/- 1%
Réglable de / Range of control	0 à 300 °C
Pression de travail / Working pressure	
Mini	1 bar
Maxi	8 bars
Minuterie électronique multigamme cycle / Timer	
Précis à / Accurate to	+/- 2%
Réglable de / Range of control	0 à 250 sec
Pression de serrage / Locking pressure	
Mini	100 g/cm ²
Maxi	1.6 kg/cm ²

Non contractual document: according to the technical progress, we reserve the right to modify the characteristics of our products.

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MODELE

N° DE SERIE

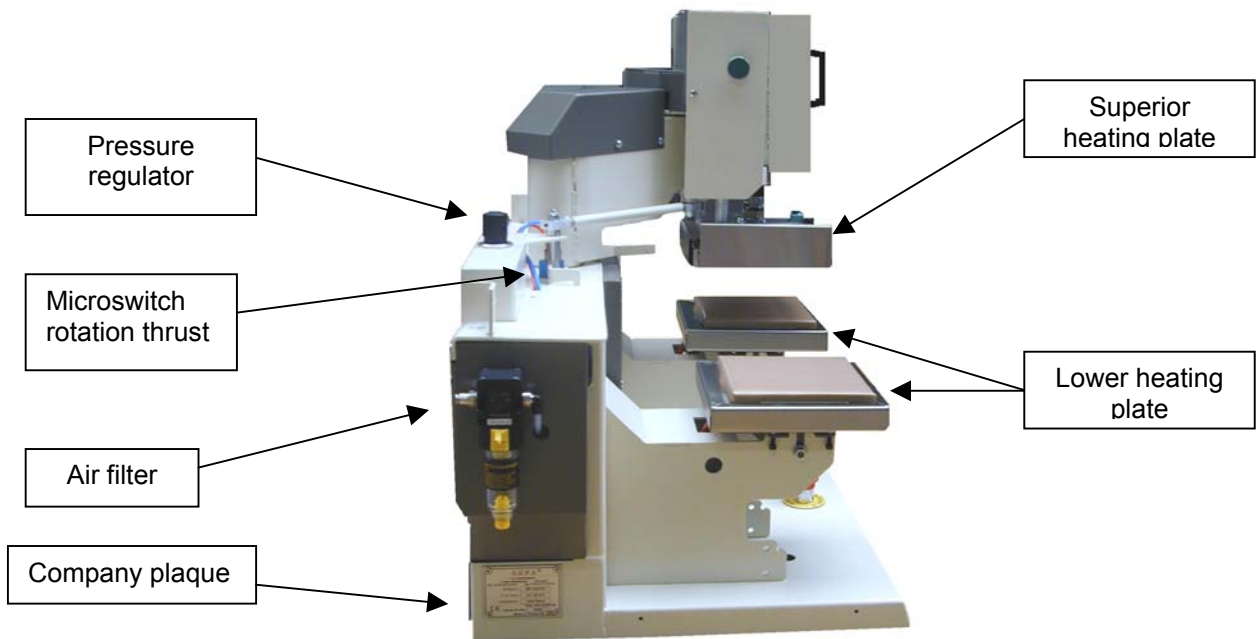
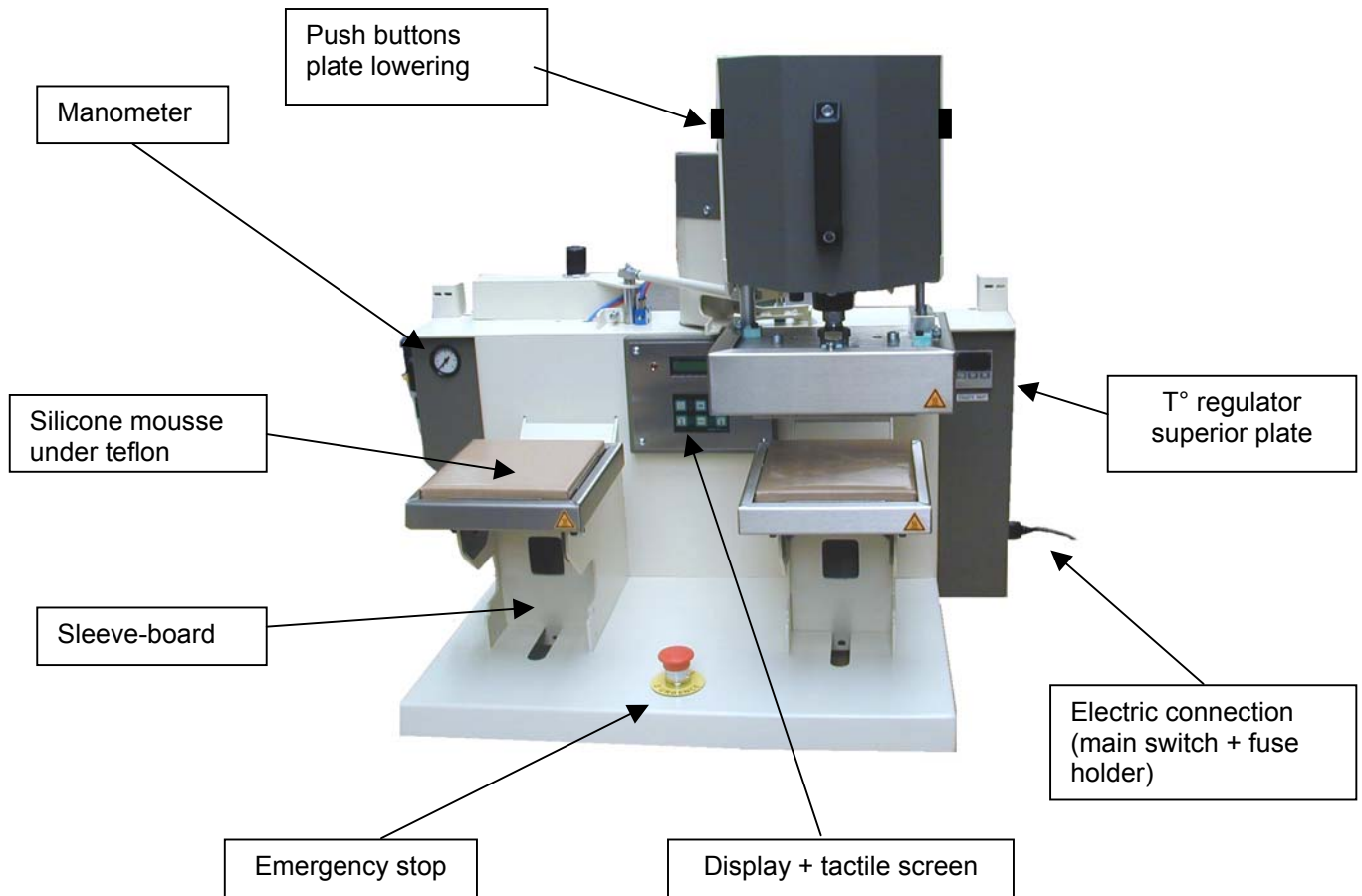
PUISSANCE

VOLTS

CE Année de Fab.

Made in France By S.E.F.A

III. GENERAL POINTS



This heat seal press is standard to the article L 233-5 of the labour laws, to ensure the safety of the user.

This press was designed for an operator working opposite the machine.

IV. USE OF THE MACHINE

The BR 160 3CS press was designed to apply all quality transfers for medium and great series. This equipment was tested in our workshops to obtain a one-year guarantee against any manufacturing vice.

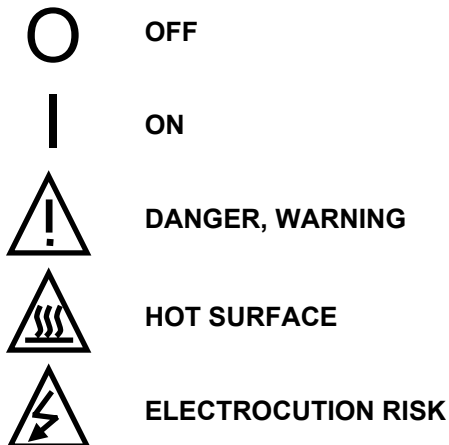
Before starting any pressing operation, it is recommended to carefully read the safety instructions as well as the directions for use.

The press will have to be used by an enabled person who would have been informed of the risks which can be caused by wrong use of the equipment.

1. SAFETY




THIS EQUIPMENT IS DESIGNED FOR SINGLE USE ONLY

International symbols:



You will find most of these symbols on the SEFA machines.

Some important points for the staff safety:

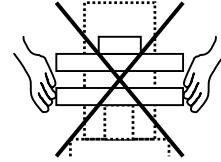
-  ***Avoid touching the hot parts of the equipment while in use.***
-  ***Do not put your hands between the plates once the equipment is activated.***
-  ***During handling action, ensure that the operator do not risk anything in terms of burn, electrocution or other.***

2. INSTALLATION

USE BY QUALIFIED STAFF ONLY



Do not handle the machine by the heating plates!



Unpack the machine from its box.
Place it on a stable table.

After having properly positioned the equipment on its working place:

- Electrically plug the press in (220 Volt + Neutral + Earth / 50 or 60 Hertz)
- Pneumatically connect the press (10 bars maximum, tube Ø6 minimum)

3. DESCRIPTION OF THE CYCLE

1. The operator will have to power the machine up rocking the the main switch which is on the right-hand side,
2. Set the temperature (*to define accrding to the type of transfer*) See SETTINGS § 1,
3. Set the application time to 10 seconds (*to define accrding to the type of transfer*) See SETTINGS § 1,
4. Adjust the pressure (*to define accrding to the type of transfer*),
5. Position the item to mark on the lower plate,
6. Adjust the transfer sheet,
7. Swivel the head of the press using the handle,
8. When the plate is in thrust with the position microswitch, the operator can action the heating plate lowering pressing on the two pushing buttons. The operator will have to maintain the pressure on the buttons until the heating plate is in contact with the lower plate,
9. At the end of the countdown, the heating plate will go back up.

V. SERVICE

USE BY QUALIFIED STAFF ONLY

**ANY MAINTENANCE INTERVENTION MUST BE DONE WHEN THE MACHINE IS OFF AND LOCKED
(ELECTRIC AND PNEUMATIC ENERGIES UNPLUGGED)**

It is recommended to have the following tools within reach:

- Screwdriver
- Cruciform screwdriver
- A set of keys
- Small adjustable pliers
- Long and fine pliers with insulating handle
- A set of Allen keys



Before any handling action, check that the heating plate temperature is lower than 25°C on the display unit.

1. PARTS SUBJECTED TO WEAR AND TEAR

On any order: precise the description, the reference and the quantity

<u>Reference</u>	<u>Description</u>	<u>Quantity</u>
<u>ELECTRIC EQUIPMENT</u>		
REG-207	REGULATOR DISPLAY	1
CAR-180	HEATING CARTRIDGE	6
SON-188	SENSOR	3
FUS-153	FUSE 16 A	2
CAR-359	CONTROL ELECTRONIC CARD	1
<u>PNEUMATIC EQUIPMENT</u>		
VER-148	JACK Ø80 C80mm	1
PNE-054	PNEUMO-ELECTRIC	1
DIS-125	DISTRIBUTOR 1/8	1
DIS-137	MICRO SWITCH DISTRIBUTOR	2
<u>PRESS COVER</u>		
KIT-MP 160 2C	COVER KIT 2 HOUSSES + 2 PTFE + 2 MOUSSES	1

2. REPLACEMENT OF WORN PARTS

- The silicone mousse mat

- a) check that the plate is cold.
- b) make sure that the plate surface is properly cleaned. Possibly use a soft solvent such as white spirit.
- c) use a tube of glue RTV-1 to stick the mousse to the aluminium plate (NB : read the instructions on the tube packaging).
- d) the mat and the plate must be clean and dry before you start gluing.
- e) spread a fine layer of glue in a homogeneous way on the plate and immediately apply on the mat making sure that there is no air lock (NB: an indented spatula similar to the one used to lay tiles would suit perfectly).
- f) leave to settle overnight at room temperature with slight pressure.

3. MAINTENANCE

The SEFA heating press hardly require any maintenance. To ensure a good functioning, follow the preventive notice indicated below:

- do not heat up objects which could deteriorate or even cut the silicone mat or damage the teflon surface of the heating plate
- every so often and when the plate is cold, clean the machine with a clean cloth and white spirit (NB: as this product is flammable, use with care and keep it away from any heat source)
- when the heating plate is hot and unused, keep it in open position.

USE BY QUALIFIED STAFF ONLY

Different codes delivered by the regulation card call for a service:

- | | |
|-------------------------|--|
| <u>Code R1 :</u> | Appears on the screen when the machine has heated for 9 300 h that is to say about 5 years. <ul style="list-style-type: none">◆ Do a general servicing. See your retailer. |
| <u>Code R2 :</u> | Appears on the screen when the machine has realized 60 000 knocks <ul style="list-style-type: none">◆ Check all the moving parts. |
| <u>Code R3 :</u> | Appears on the screen when the machine has realized 240 000 knocks <ul style="list-style-type: none">◆ Change the pads (Teflon) and control the state of the micro switches and heat elements electric wires. |
| <u>Code R4 :</u> | Appears on the screen when the machine has realized 30 000 knocks <ul style="list-style-type: none">◆ Visually control the state of the electric and pneumatic components as well as the materials. |
| <u>Code R5 :</u> | Appears on the screen when the machine has realized 600 000 knocks <ul style="list-style-type: none">◆ Change the jack joints. |

⇒ **TO DELETE THE MESSAGE REGARDING THE SERVICE :
REFER TO THE INSTRUCTION MANUAL REG 2000**

4. POSSIBLE BREAKDOWNS

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a) ELECTRIC BREAKDOWNS

SYMPTOMS	POSSIBLE BREAKDOWNS	REPAIR
The plates will not heat	<ul style="list-style-type: none"> ➤ The fuses are out of order ➤ See the messages displayed on the LCD screen ➤ The regulator displays FFF 	<ul style="list-style-type: none"> ➤ If on the press no light goes on, check the fuse, change it if necessary. <u>MAIN FUSE</u> situated in a casing next to the power cable socket (10 A). To access it, remove the electric cable, with the tip of a pen or a screwdriver, lift the fuse casing. You will find in the square tube a replacement fuse to put instead of the one in the clip. <u>CARD FUSE</u> situated on the electronic card (0,8A) ➤ Get in touch with your retailer ➤ Change the sensor
The plates overheat	<ul style="list-style-type: none"> ➤ See messages on the LCD screen 	<ul style="list-style-type: none"> ➤ Get in touch with your retailer
The timer does not countdown	<ul style="list-style-type: none"> ➤ The pneumo-electric is not activated or is faulty 	<ul style="list-style-type: none"> ➤ Check if the pneumo-electric is not faulty. Replace it if necessary.

b) PNEUMATIC BREAKDOWNS

The plate will not go down	<ul style="list-style-type: none"> ➤ The thrust micro switch is not actioned ➤ The push buttons do not deliver the pneumatic information ➤ The pneumo-electric contact is faulty ➤ The pressure in compressed air is not sufficient 	<ul style="list-style-type: none"> ➤ Check that the head comes into contact with the latter. Adjust it if necessary ➤ Check that the push buttons are not faulty ➤ Check it and change it if necessary ➤ Check that the pressure of your network is sufficient
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VI. PRESS SETTINGS

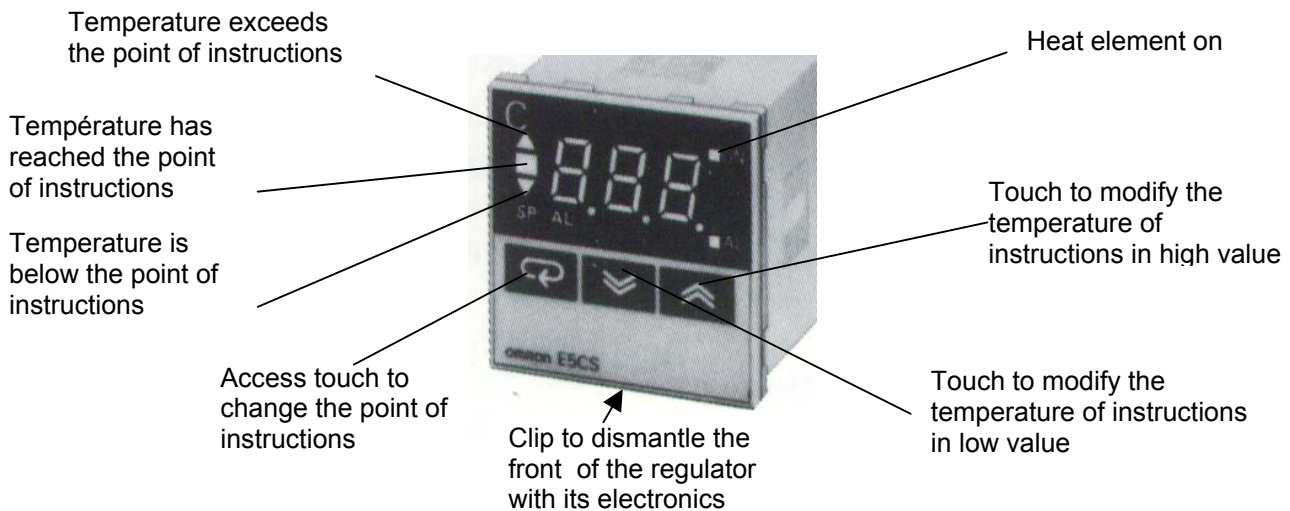
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1. TEMPERATURE/TIME SETTINGS

a) TEMPERATURE SETTING

The BR 160 3CS press possesses 2 systems of temperature regulation:

- For the superior plate we use the following small box:



To select a new temperature value:

- press once on the left selector
- **to obtain a higher temperature**: hold the right selector to scroll the display or give impulses to make the display change degree to degree.
- **to obtain a lower temperature**: hold the middle selector to scroll the display or give impulses to make the display change degree to degree.

- For the lower plates, the temperature control is made with an electronic card (See REG 2000 instruction manual)

b) TIME SETTING (See user's manual REG 2000)

2. PRESSURE ADJUSTMENT

The pressure of the jack can be modified according to the need of the user.

Use the pressure regulator, the pressure will be displayed on the manometer dial

- ↻ Actioning the pressure regulator clockwise you will increase the pressure,
- ↻ Actioning the pressure regulator anticlockwise you will decrease it.

VII. ACCESSORIES SETTING UP

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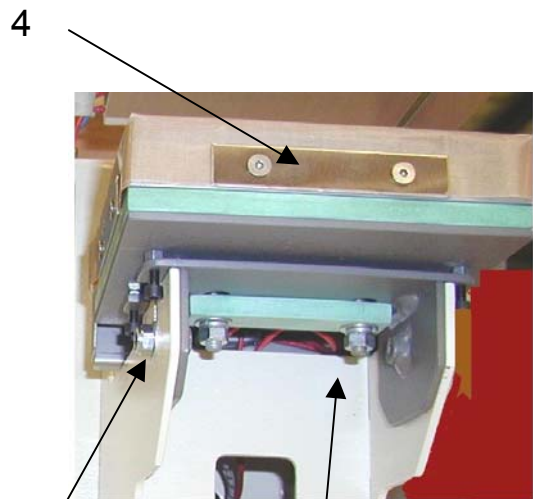
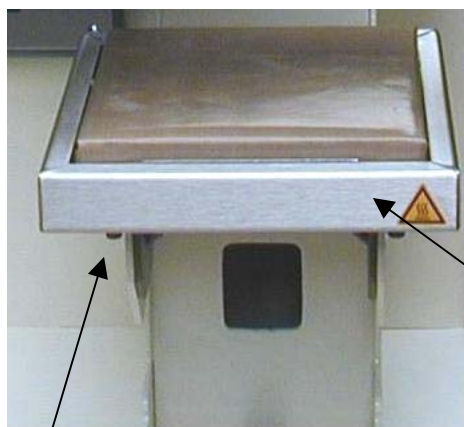
CAUTION: do this operation on cold plate

1. DISMANTLING OF THE LOWER HEATING PLATE

- Loosen the 2 nuts of the glastherm situated under the plate (1)
- Remove the 2 cruciform screws of the aluminium cover (2)
- Pull the front part of the cover (3)
- Unscrew the plaques to release the teflon (4)

2. ADJUSTMENT OF THE BOARD HEIGHT

- Use a key of 13 to unscrew the 2 nuts on the board sides (5)
- Adjust to the required height
- Tighten the screws
- Adjust the parallelism with the 4 bakelite screws (6)



6

3

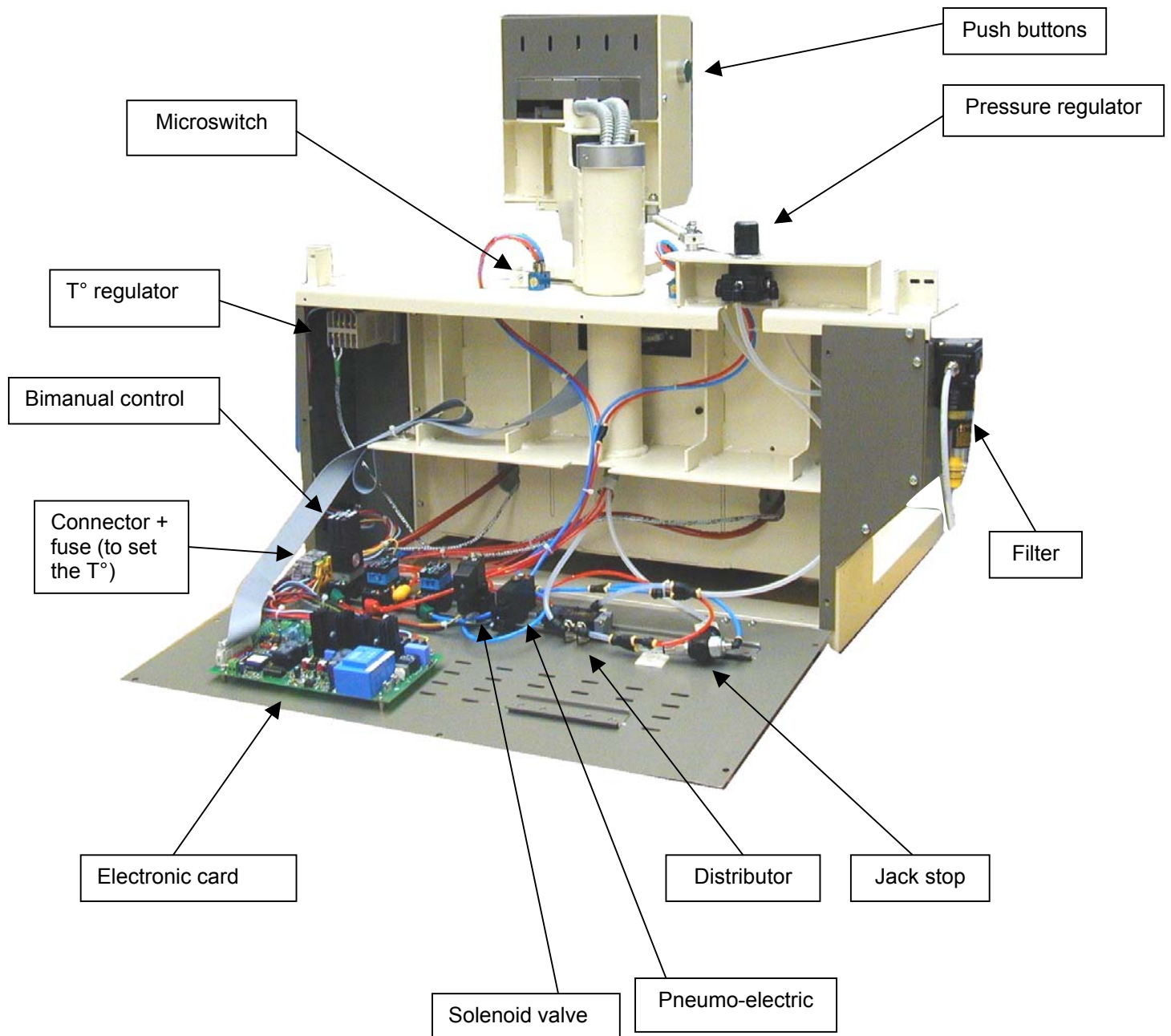
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4

1

VIII. ESTABLISHMENT OF THE EQUIPMENT



IX. ELECTRIC AND PNEUMATIC DIAGRAMS

ELECTRIC DIAGRAM



PNEUMATIC DIAGRAM