Instructions Manual

Primer

MACHINES FOR THE INDUSTRIAL LAUNDRY

PRE-U / PRE-CP

CONTENTS

1 INTRODUCTION

The present user's and maintenance manual refers to the press.
It is possible to receive the latest release from our Technical Commercial Department or by visiting our website www.primer.es.

The present user's and maintenance manual contains important information for the operator's health safeguard and safety.
This manual has to be read and kept carefully, in order to be always at the operator's disposal in case of need.

Primer cannot be held liable for any damage to things or injury to persons caused by improper use of the machine in contrast with these instructions.
Any possible modifications effected on the components of the machine or its different use without prior written authorization by Primer, relieve the latter of injury to persons and / or damages to things, voiding any warranty bindings, as well.

2 GENERAL DESCRIPTION

The press is suitable for the ironing and smoothing of all kind of fabrics and leathers, removing any creases due to prior treatments.
The working surface (board) is very functional even for the ironing of non-leather garments, thanks to its specially designed shape, able to meet any requirements (see paragraph 12).
On the front panel, it is possible to regulate the thrust pressure, as well as the working cycle times (if equipped with timers).
Furthermore, the press is available in several versions, featuring a built-in vacuum unit, boiler, and/or compressor, a steam iron, an up-steaming lower and/or upper board, the operation by pedal or by push-buttons, a safety frame (compulsory for the version with pedals), timers.

3 MACHINE IDENTIFICATION

A tag placed on the back of the machine indicates type, serial number, year of construction, supply voltage and pressures, as well as the electric consumption.

4 TECHNICAL FEATURES

TECHNICAL FEATURES *(BASIC* version)				
Board type	***PRE-U***			***PRE-CP***
Power supply	220/380V-3Ph-50Hz			
Compressed-air supply	6 ÷ 10 bar			
Air working pressure	7 bar			
Air consumption	45 Nl/min			
Steam pressure	4,5 bar			
Steam consumption	14 ÷ 25 Kg/h	14 ÷ 25 Kg/h	8 ÷ 12 Kg/h	10 ÷ 14 Kg/h
Sound intensity level	< 70 dB(A)			
Working temperature	+ 5 ÷ + 80 °C			
Working humidity	90 % max.			
Storing temperature	- 20 ÷ + 50 °C			
Net dimensions (mm)	1370x1070x1500	1620x1070x1500	1100x1070x1500	1100x1070x1500
Net weight	265 Kg	275 Kg	194 Kg	240 Kg
Overall dimensions (packaging included)	1450x1200x1460 mm			

Gross weight (packaging included)	345 Kg	355 Kg	274 Kg	320 Kg
TECHNICAL FEATURES (featuring a BUILT-IN VACUUM UNIT)				
Board type	***PRE-U***			***PRE-CP***
Vacuum-unit motor	0,5 Hp			
Discharged air volume	350 m³	400 m³	350 m³	350 m³
Sound intensity level	< 70 dB(A)			
Net weight	275 Kg	285 Kg	204 Kg	250 Kg
Gross weight (packaging included)	355 Kg	365 Kg	284 Kg	330 Kg
TECHNICAL FEATURES (featuring a BUILT-IN VACUUM UNIT and a BOILER)				
Board type	***PRE-U***			***PRE-CP***
Vacuum-unit motor	0,5 Hp			
Discharged air volume	400 m³	400 m³	350 m³	350 m³
Boiler heater	8 – 10 – 12 – 15 – 18 Kw			
Pump motor	0,75 Hp			
Sound intensity level	< 70 dB(A)			
Net weight	315 Kg	325 Kg	244 Kg	290 Kg
Gross weight (packaging included)	395 Kg	405 Kg	324 Kg	370 Kg
TECHNICAL FEATURES (featuring a BUILT-IN VACUUM UNIT, a BOILER and a COMPRESSOR)				
Board type	***PRE-U***			***PRE-CP***
Vacuum-unit motor	0,5 Hp			
Discharged air volume	400 m³	400 m³	350 m³	350 m³
Boiler heater	8 – 10 – 12 – 15 – 18 Kw			
Pump motor	0,75 Hp			
Compressor motor	2 Hp			
Sound intensity level	< 70 dB(A)			
Net overall dimensions (mm)	1370x1070x1500	1620x1070x1500	1370x1070x1500	1370x1070x1500
Net weight	352 Kg	362 Kg	284 Kg	330 Kg
Gross weight (packaging included)	432 Kg	442 Kg	364 Kg	410 Kg

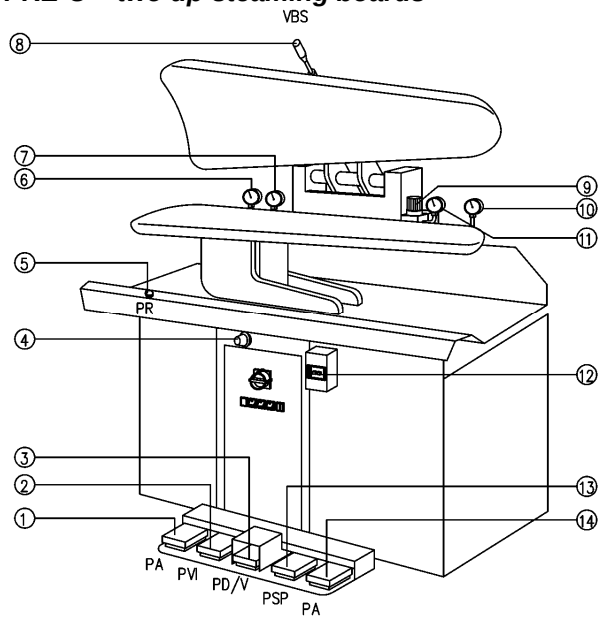
WARNING: The machine must not be supplied with other voltages and pressures than those indicated on the table.

5 MACHINE COMPONENTS

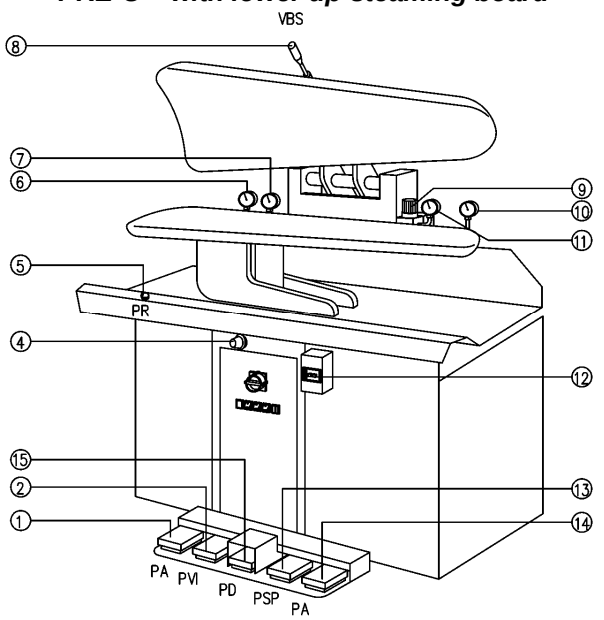
The machine features the following main components:

Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH38A024	Vacuum pedal for lower board	12	4GH43A045	Circuit breaker (optional with compressor)
2	4GH38A024	Steam pedal for lower board	13	4GH38A024	Blowing pedal for lower board (option)
3	4GH38A024	Lowering and steam pedal for upper board	14	4GH38A024	Second vacuum pedal for lower board (option)
4	4GH354B009	Pressing pressure regulator	15	4GH38A024	Lowering pedal for upper board
5	E-61	Reset push button for safety frame	16	4GH43B009	Vacuum pedal for lower board
6	E-73	Pressure gauge for steam circuit 0/10 bar (optional with boiler)	17	4GHE-62	Emergency button cycle stop
7	4GH35A003	Pressure gauge for compressor 0/16 bar (optional with compressor)	18	4GH38A013	Steam control valve for upper board
8	4GH38A012	Locking and releasing valve for upper board	19	E-61	Lowering and steam push-button for upper board
9	E-77	Filter-reducer-lubricator unit for compressed air	20	E-61	Lowering push-button for upper board
10	4GH35A003	Pressure gauge for pressing pressure 0/16 bar	21	E-61	Releasing push-button for upper board
11	4GH35A003	Pressure gauge for compressed air network pressure of 0/16 bar	22	E-61	Push-button for the release of the upper board and for the safety frame reset

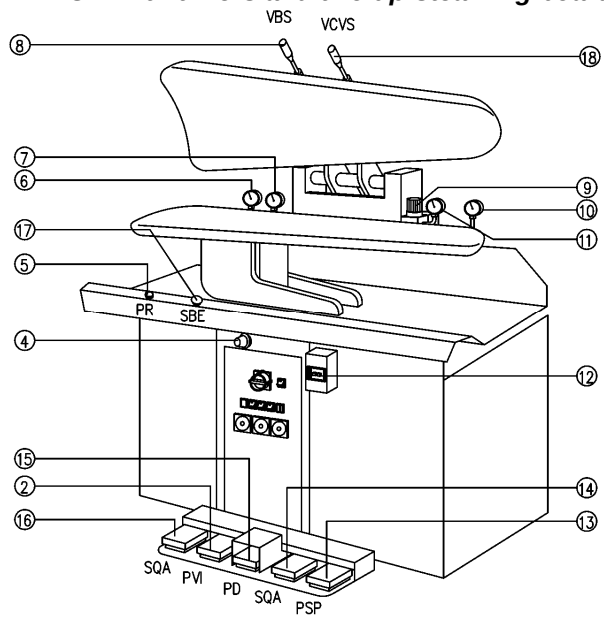
PRE-U – two up-steaming boards



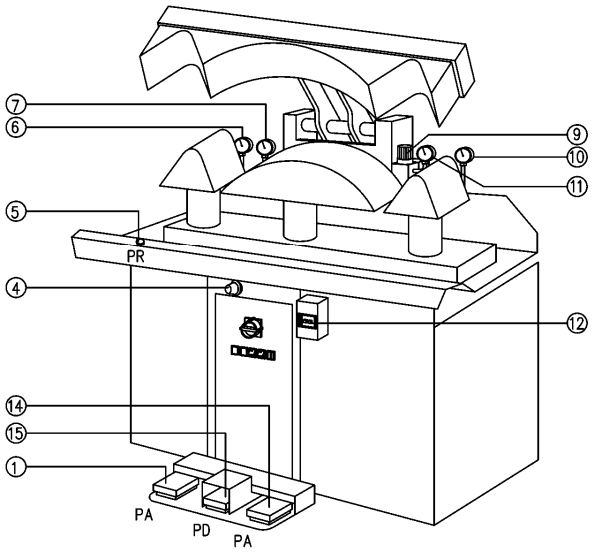
PRE-U – with lower up-steaming board

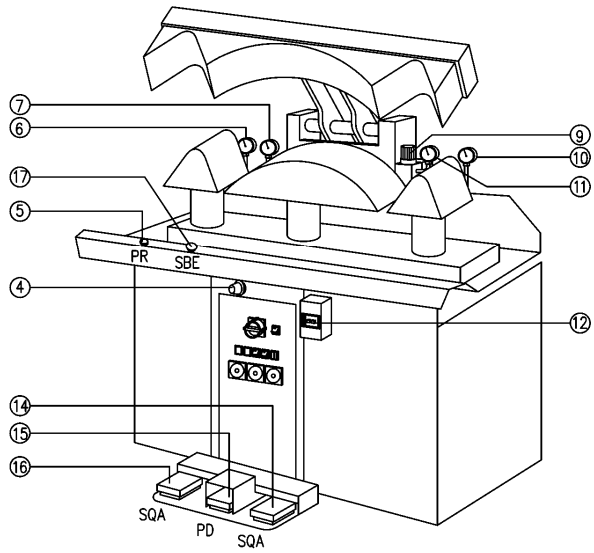


PRE-U – with timers and two up-steaming boards

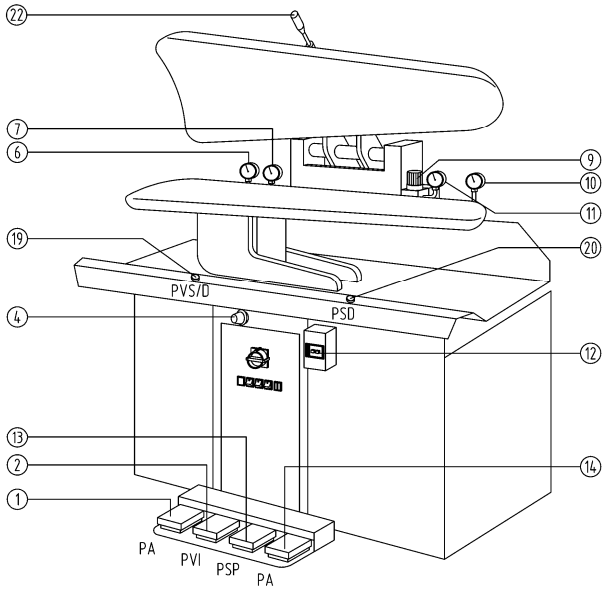


PRE-CP

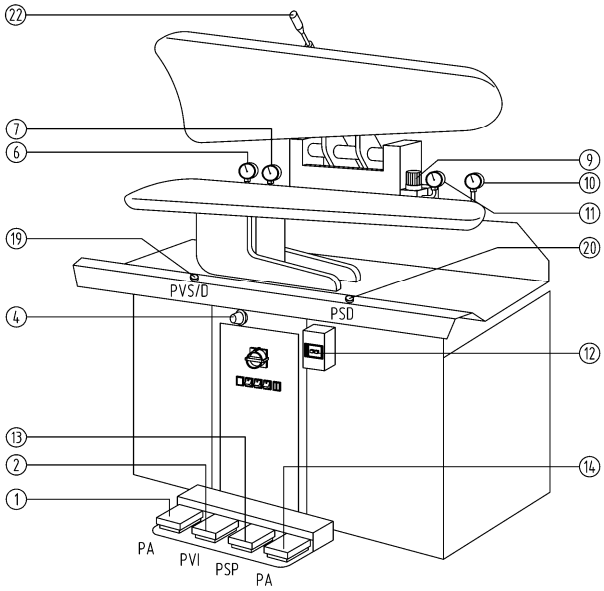




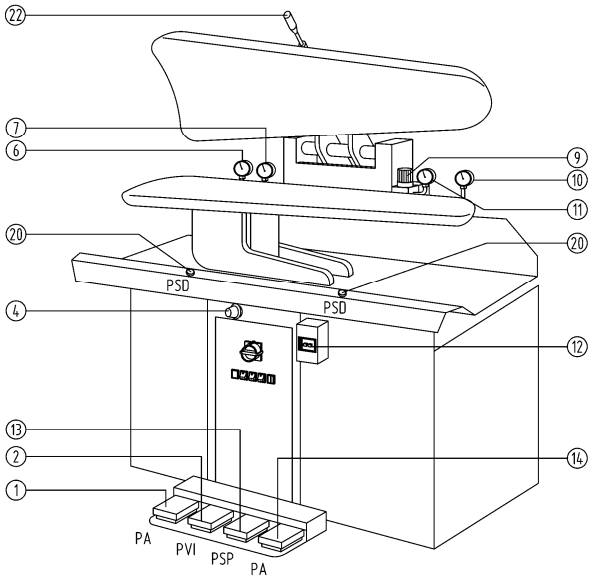
AB – two up-steaming boards



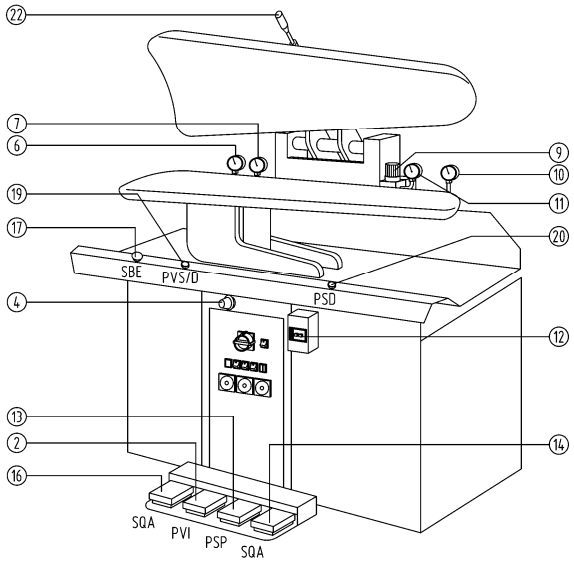
AB – two up-steaming boards+safety frame



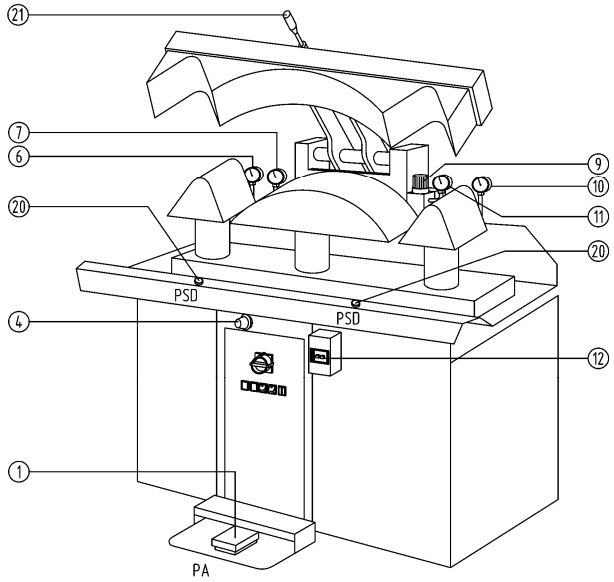
AB – lower up-steaming board+safety frame



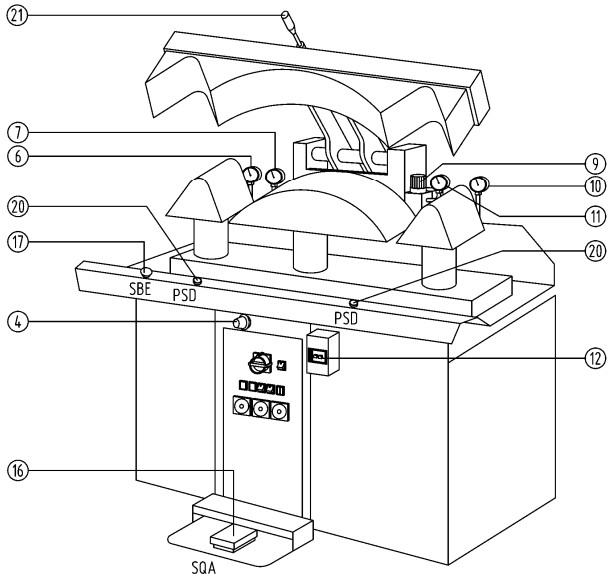
AB – with timers and two up-steaming boards



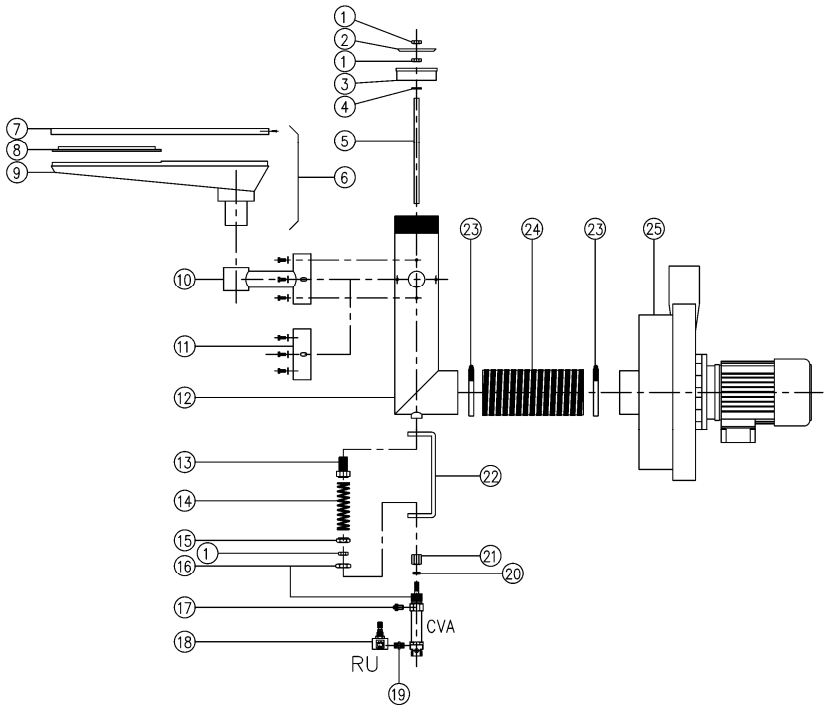
PRE-CP



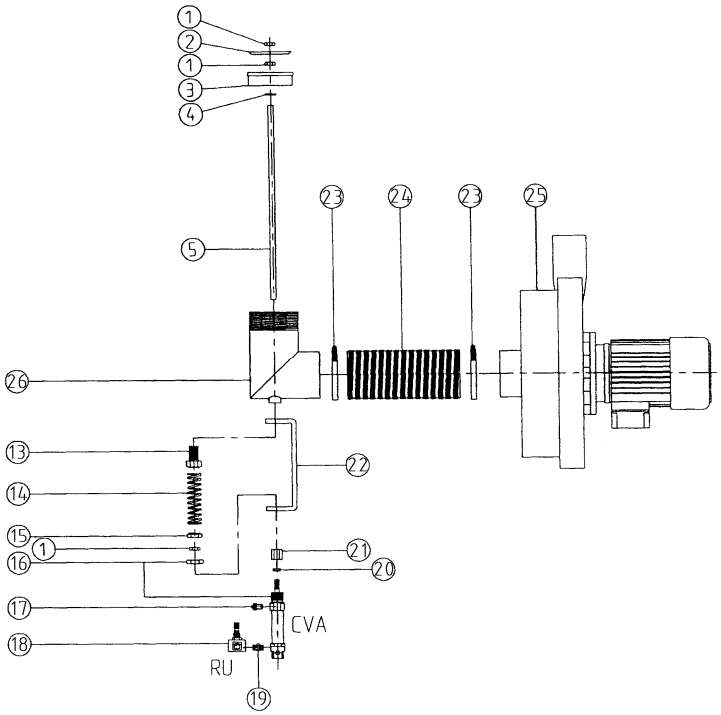
PRE-CP – with timers



VACUUM UNIT FOR PRESS

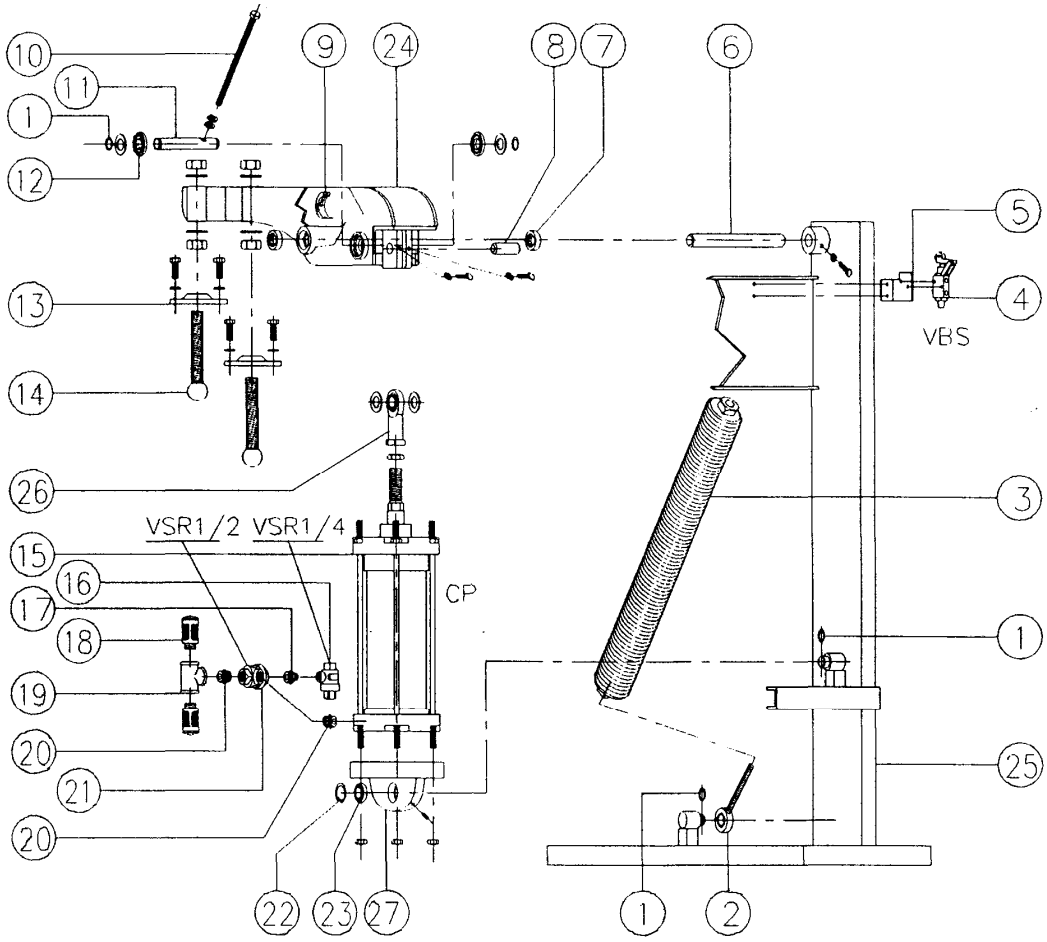


VACUUM UNIT FOR COLLAR&CUFFS PRESS

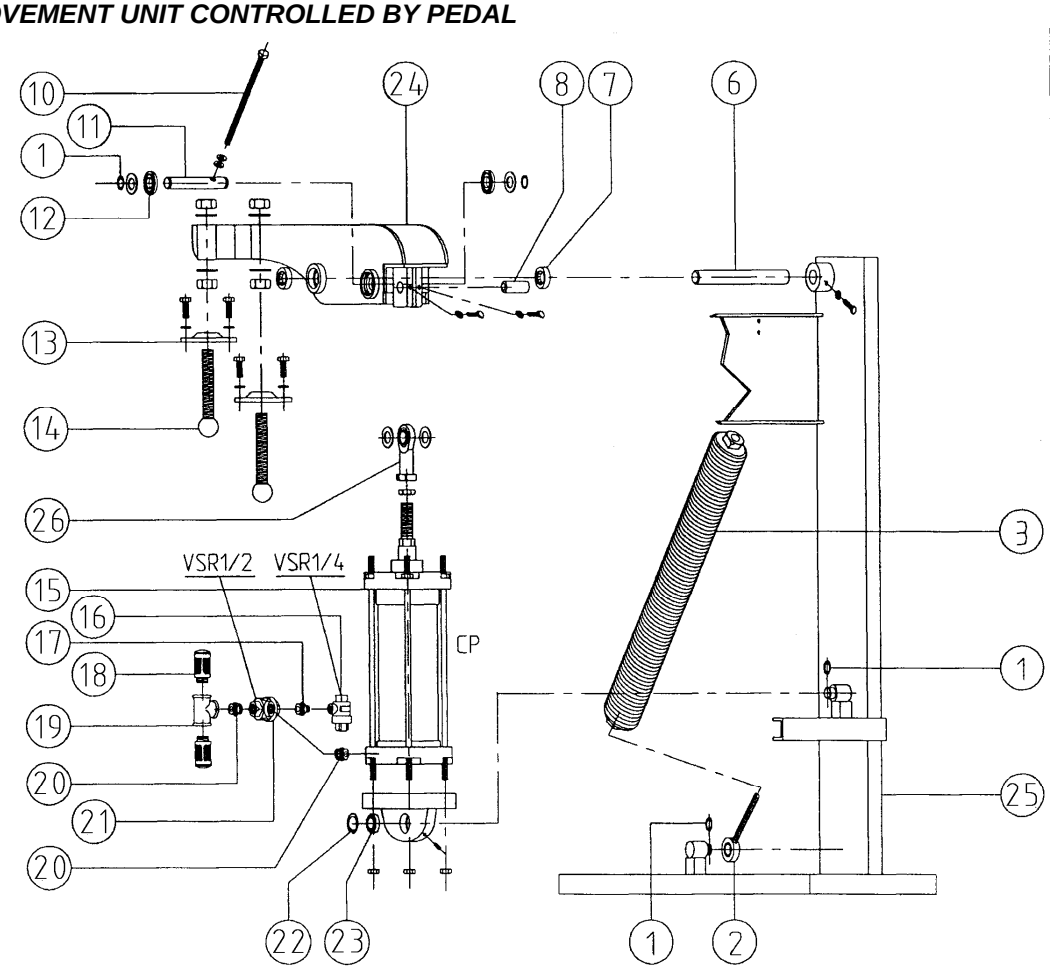


Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH51C004	Brass nut M10	14	4GH534274	Spring
2	4GH184156	Valve shutoff	15	4GH184408	Guide nut for spring
3	4GH183232	Shutoff seat	16	4GH35C012	Cylinder Ø20 x 25
4	4GH244246	Gasket	17	4GH35D006	Adjustable silencer 1/8” G
5	4GH184454	Brass rod Ø10 x 560	18	4GH38A017	One-way regulator 1/8” G
6	4GHZ14C00	Complete spotting shape	19	4GH36B007	Nipple1/8” G
7	4GH163433	Plate	20	4GH51C002	Flat nut M8
8	4GH173298	Net	21	4GH514050	Push nut for rod
9	4GH342099	Shape body	22	4GH173365	Cylinder support
10	4GH173427	Spotting shape support	23	4GH51X006	Clamp Ø80/100
11	4GH173366	Cover for spotting shape connection	24	4GH03D001	Flexible aluminium tube Ø90
12	4GH173052	Vacuum valve body	25	4GH42C011	Vacuum unit
13	4GH184344	Rod guide screw	26	4GH173050	Vacuum valve body

BOARD MOVEMENT UNIT CONTROLLED BY PUSH BUTTONS



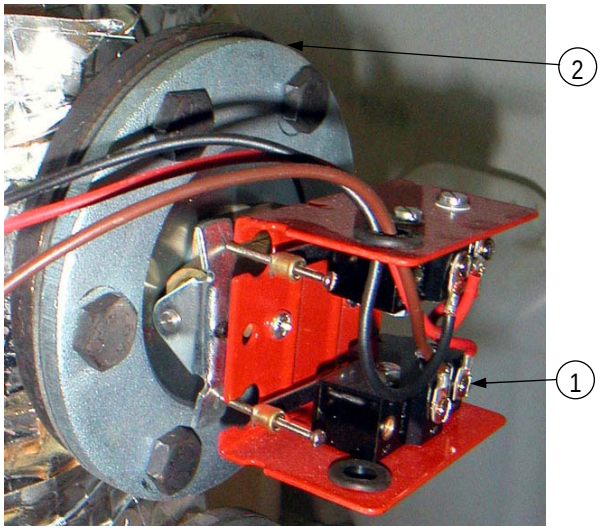
BOARD MOVEMENT UNIT CONTROLLED BY PEDAL



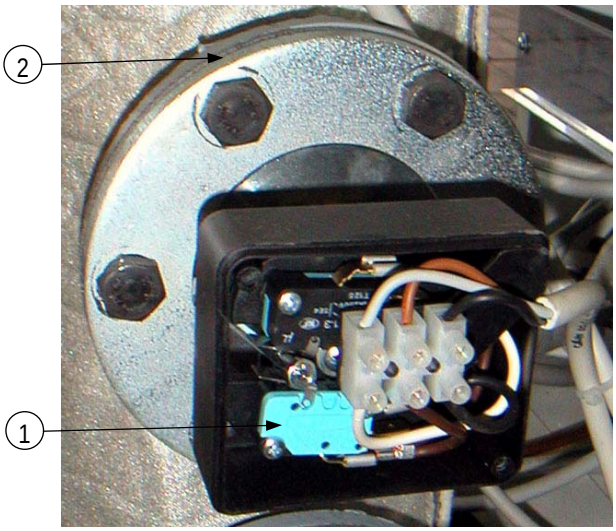
Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH51P005	Elastic Seeger ring 20E	14	4GH183288	Tie rod L190
2	4GH174096	Bottom spring joint		4GH183287	Tie rod L160
3	4GH533184	Spring for PB 88 PRE-U	15	4GH35C002	Cylinder DE D100x200
	4GH533185	Spring for PB 88 B	16	4GH38A020	Rapid discharge valve G1/4
	4GH533182	Spring for PB 88 GP, UGP	17	4GH36B010	Nipple G1/2 – G1/4
	4GH533183	Spring for PB 88 PRE-U	18	4GH35D003	Silencer G1/4 Nylon®
4	4GH38A010	Locking and releasing valve	19	4GH36C003	Tee G1/2
5	4GH175001	Valve support bracket	20	4GH36B004	Nipple G1/2
6	4GH184405	Arm shaft	21	4GH38A021	Rapid discharge valve G1/2
7	4GH60B001	Roller bearing	22	4GH51P006	Elastic Seeger ring 35I
8	4GH184403	Cylinder shaft	23	4GH60H002	Jointed support
9	4GH344324	Cams	24	4GH161068	Supporting arm for upper board
10	4GH174003	Upper tension rod for spring	25	4GH160037	Press frame
11	4GH184404	Shock absorbing shaft	26	4GH60H001	Cylinder joint M20x1,5
12	4GH60B005	Ball bearing	27	4GH342095	Cylinder support
13	4GH183367	Fixing flange for upper board			

AUTOMATIC LEVEL CONTROL

art. 4GH49A002

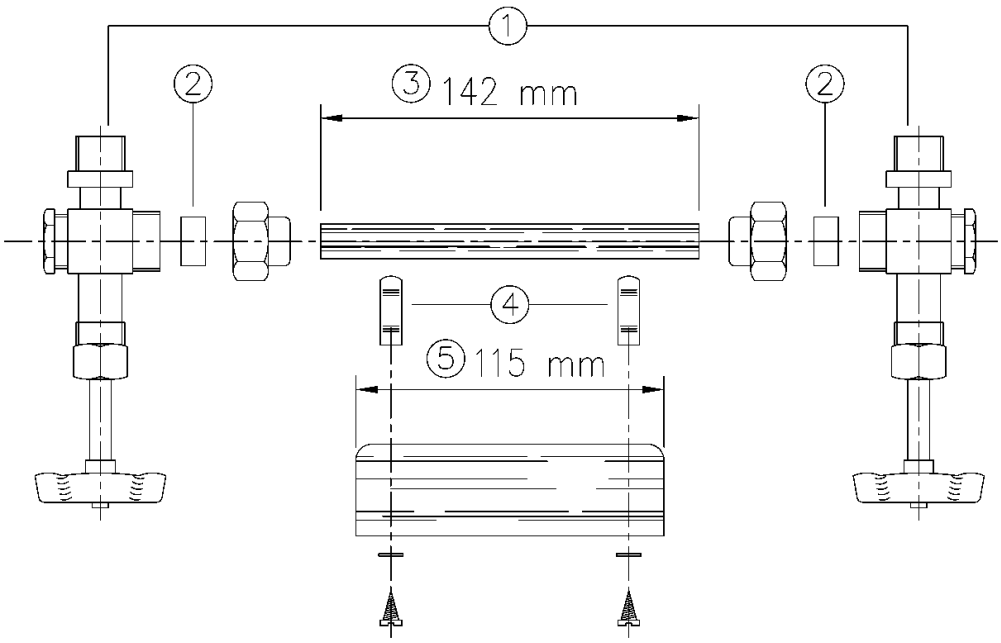


art. 4GH49A001



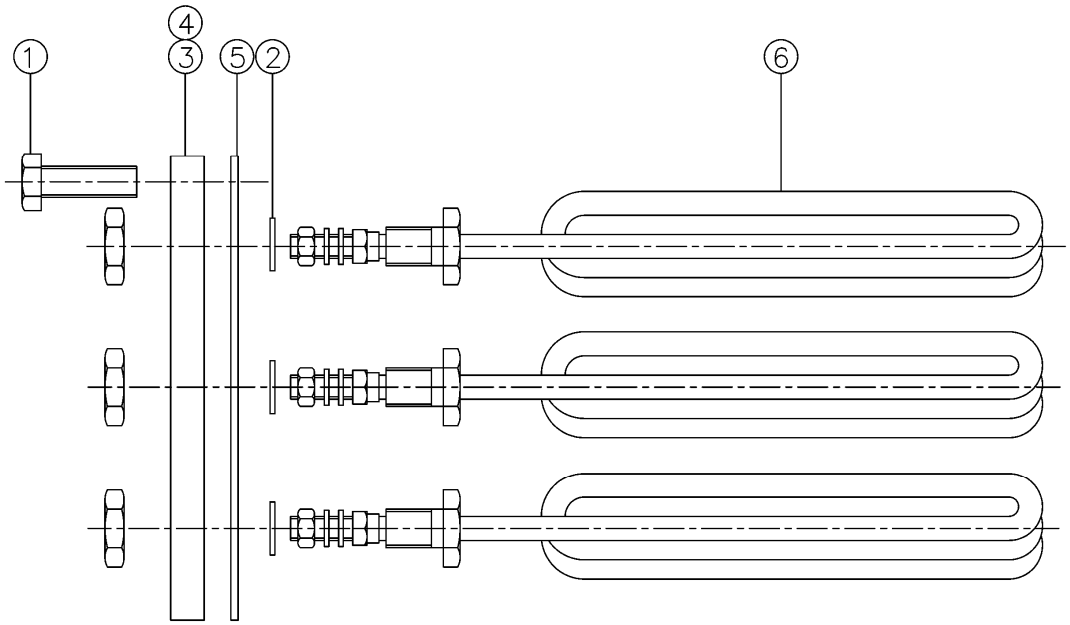
Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH43D014	Micro-switch	1	4GH43D013	Micro-switch
2	4GH244236	Flange gasket	2	4GH244236	Flange gasket
3	4GH49G001	Float	3	4GH49G001	Float

VISUAL LEVEL INDICATOR



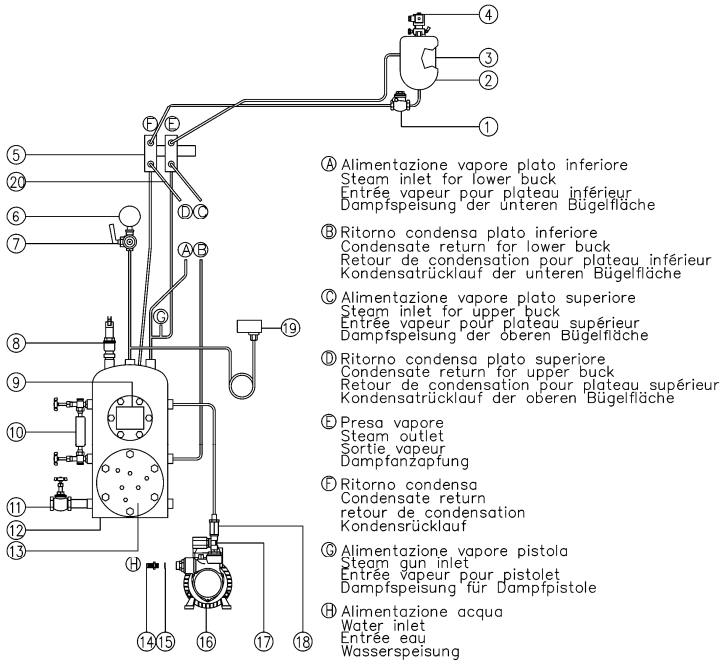
Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH37C001	Two cocks	4	4GH53A001	Clips for glass protection
2	4GH244243	Gaskets	5	4GH234218	Glass protection L.115
3	4GH52G001	Glass L.142			

HEATER FLANGE Ø200



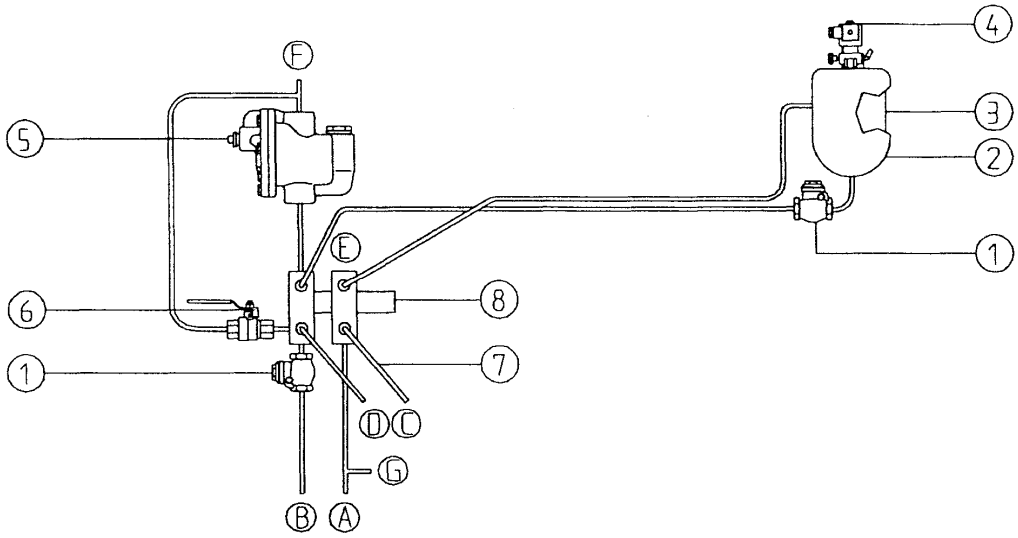
Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH50A015	Screw M14 x 30 ASTM-A193-B7	6	4GH213159	Heater V230 Kw2,7
2	4GH24E002	Washer		4GH215102	Heater V115 Kw3,3
3	4GH183271	Flange Ø200 with ISPESL certificate		4GH213149	Heater V230 Kw3,3
4	4GH183268	Flange Ø200		4GH213150	Heater V400 Kw3,3
5	4GH244348	Gasket		4GH213151	Heater V230 Kw4
6	4GH213145	Heater V230 Kw1,3		4GH213152	Heater V400 Kw4
	4GH212159	Heater V230 Kw2		4GH213153	Heater V230 Kw5
	4GH213147	Heater V230 Kw2,3		4GH213154	Heater V400 Kw5
	4GH213148	Heater V400 Kw2,3		4GH213155	Heater V230 Kw6

STEAM UNIT FOR PRESS WITH BUILT-IN BOILER



Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH38F001	Check valve G3/8	12	4GH200095	Boiler drum lt.15 TÜV
2	4GH275010	Cover for condensation separator		4GH200096	Boiler drum lt.15 ISPESL
3	4GH202052	Condensation separator		4GH200076	Boiler drum lt.15 PED
4	E-23	Steam solenoid valve for iron	13	E-04	Heater flange Ø200
5	4GH172105	Steam connection and condens. return unit	14	4GH36E006	Cable hose
6	4GH35A002	Pressure gauge 0/10 bar	15	4GH174356	Water filter
7	G4H37E001	Cock for pressure gauge support	16	E-53/E-55	Water pump
8	4GH38S004	Safety valve G1/2	17	E-22	Complete water solenoid valve
	4GH38S008	Safety valve G1/2 TÜV	18	E-74	Check valve
9	E-02	Automatic level control	19	4GH45G001	Pressure switch
10	E-03	Visual level indicator	20	4GH413258	Jointed flexible tube G3/8 x 700mm
11	4GH37B001	Gate valve for boiler exhaust G1/2			

STEAM UNIT FOR PRESS WITHOUT BOILER



Ⓐ Alimentazione vapore plato inferiore
Steam inlet for lower buck
Entrée vapeur pour plateau inférieur
Dampfspeisung der unteren Bügelfläche

Ⓑ Ritorno condensa plato inferiore
Condensate return for lower buck
Retour de condensation pour plateau inférieur
Kondensatrücklauf der unteren Bügelfläche

Ⓒ Alimentazione vapore plato superiore
Steam inlet for upper buck
Entrée vapeur pour plateau supérieur
Dampfspeisung der oberen Bügelfläche

Ⓓ Ritorno condensa plato superiore
Condensate return for upper buck
Retour de condensation pour plateau supérieur
Kondensatrücklauf der oberen Bügelfläche

Ⓔ Alimentazione vapore
Steam inlet
Entrée vapeur
Dampfspeisung

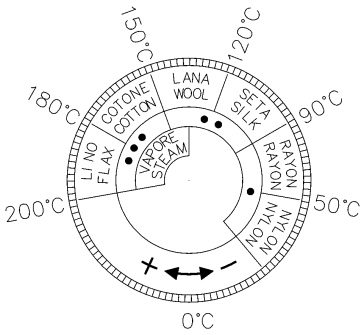
Ⓕ Ritorno condensa
Condensate return
retour de condensation
Kondensrücklauf

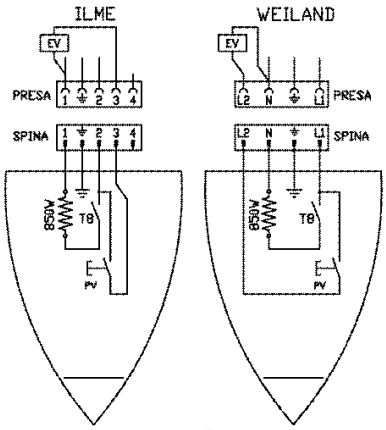
Ⓖ Alimentazione vapore pistola
Steam gun inlet
Entrée vapeur pour pistolet
Dampfspeisung für Dampfpistole

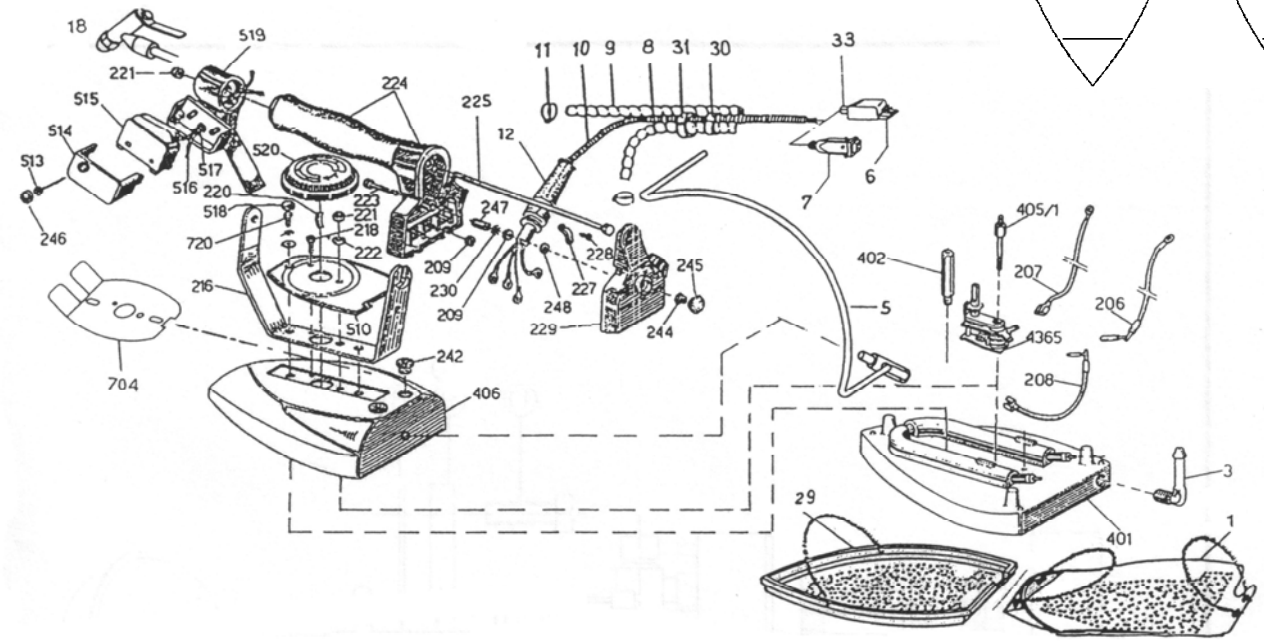
Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
1	4GH38F001	Check valve G3/8	5	4GH38F004	Condensate discharge with inverted bucket G1/2
2	4GH275010	Cover for condensation separator	6	4GH37A001	Gate valve G1/4
3	4GH202052	Condensation separator	7	4GH413258	Jointed flexible tube G3/8 x 700
4	E-23	Compl. steam solenoid valve for iron	8	172105	Steam connection and condens. return unit

STEAM IRON TYPE "U"

TECHNICAL FEATURES	
Power supply	220V 50 Hz
Iron heater	0,830 Kw
Working temperature	+ 5 ÷ + 80 °C
Working humidity	90 % max.
Storing temperature	- 20 ÷ + 50 °C
Net weight	1,8 Kg







Pos.	ARTICLE	DESCRIPTION	Pos.	ARTICLE	DESCRIPTION
4365	4GH45A005	Thermostat with thermal fuse	224	4GH222056	Handle
720	4GH184453	Fixing screw for body	223	4GH184457	Fixing screw for handle
704	4GH253297	Hand protection plate	222	4GH514057	Fixing nut for body
520	4GH224217	Hand wheel	221	4GH514056	Nut for handle rod
519	4GH173236	Micro-switch support	220	4GH534288	Hand wheel spring
518	4GH22K038	Cap for body screw	218	4GH184455	Fixing screw for body
517	4GH224217	Sheathing	216	4GH1720457	Handle support
516	4GH304284	Micro-switch wires	209	4GH514055	Nut for terminal board
515	4GH43D009	Micro-switch complete of wires and sheathing	208	4GH304282	Electrical wiring for heater-thermostat
514	4GH43K007	Micro-switch case	207	4GH304281	Electrical wiring for thermostat-terminal board
513	4GH184451	Micro-switch screw	206	4GH304280	Electrical wiring for heater-terminal board
510	4GH264350	Plate	33	4GH224255	Cable holder for plug
406	4GH253255	Body	31	4GH224260	Wire clamp
405/1	4GH174020	Thermostat column	30	4GH224215	Little spring
402	4GH174019	Body column	29	4GHZ23E01	Stiffened Teflon shoe
401	4GH253254	Plate with heater	18	4GH25A002	Water spray gun
248	4GH184449	Isolating washers	12	4GH2242410	Cable holder
247	4GH174018	Earth spacer	11	4GH51X005	Clip
246	4GH22K037	Micro-switch cap	10	4GHZ23C00	Electric wire
245	4GH22K036	Nut cap	9	4GH07A002	Silicone hose
244	4GH514058	Nut for rear cover	8	4GH07A001	Rubber hose
242	4GH224245	Rubber cap for wire holder	7	4GH43H009	Plug by Ilme
230	4GH184448	Indented washer	6	4GH43H002	Plug by Wieland
229	4GH222133	Rear cover	5	4GH174009	Jointed iron hanger
228	4GH184450	U-bolt screw	3	4GH364297	Cable hose
227	4GH174353	Fixing U-bolt	1	4GHZ23E00	Teflon shoe
225	4GH183255	Handle rod			

6 MACHINE UNPACKING AND INSTALLATION

WARNING: The unit must be installed, opened, and repaired by fully qualified technicians only.

6.1 UNPACKING

Find the most suitable place for the installation of the machine, then remove the packaging. Make sure that the machine has not been damaged during the transport and the storage.
The packaging material does not require any special precautions for its disposal, for it is not dangerous or polluting at all. Please refer to the local regulations for its disposal.

6.2 MACHINE INSTALLATION

The machine has not to be anchored to the floor, except for the installation on means of transport. Use the specially designed holes on the bedplate for its correct fixing.
In order to guarantee a correct use and operation, as well as an easy maintenance, leave enough free space around the machine
Do not place the machine in dangerous and/or explosive/inflammable places.

6.3 ELECTRICAL WIRING

The electrical wiring must be carried out as indicated on the drawing. Check that the supply voltage and the frequency correspond to those indicated on the rating plate.
The dimensions of the supply cable must suit the machine absorption and comply with the current regulations.
It is advisable to install a switch with fuses or a thermal-magnetic circuit breaker. Put the cable into the cable holder, and then tighten. Connect the cable to the feeder line terminals on the control panel, as shown on the drawing of the present manual.
Check the rotation direction of the motors; if not correct, invert two of the three input phases with each other.

6.4 COMPRESSED AIR CONNECTION (only for machines without compressor)

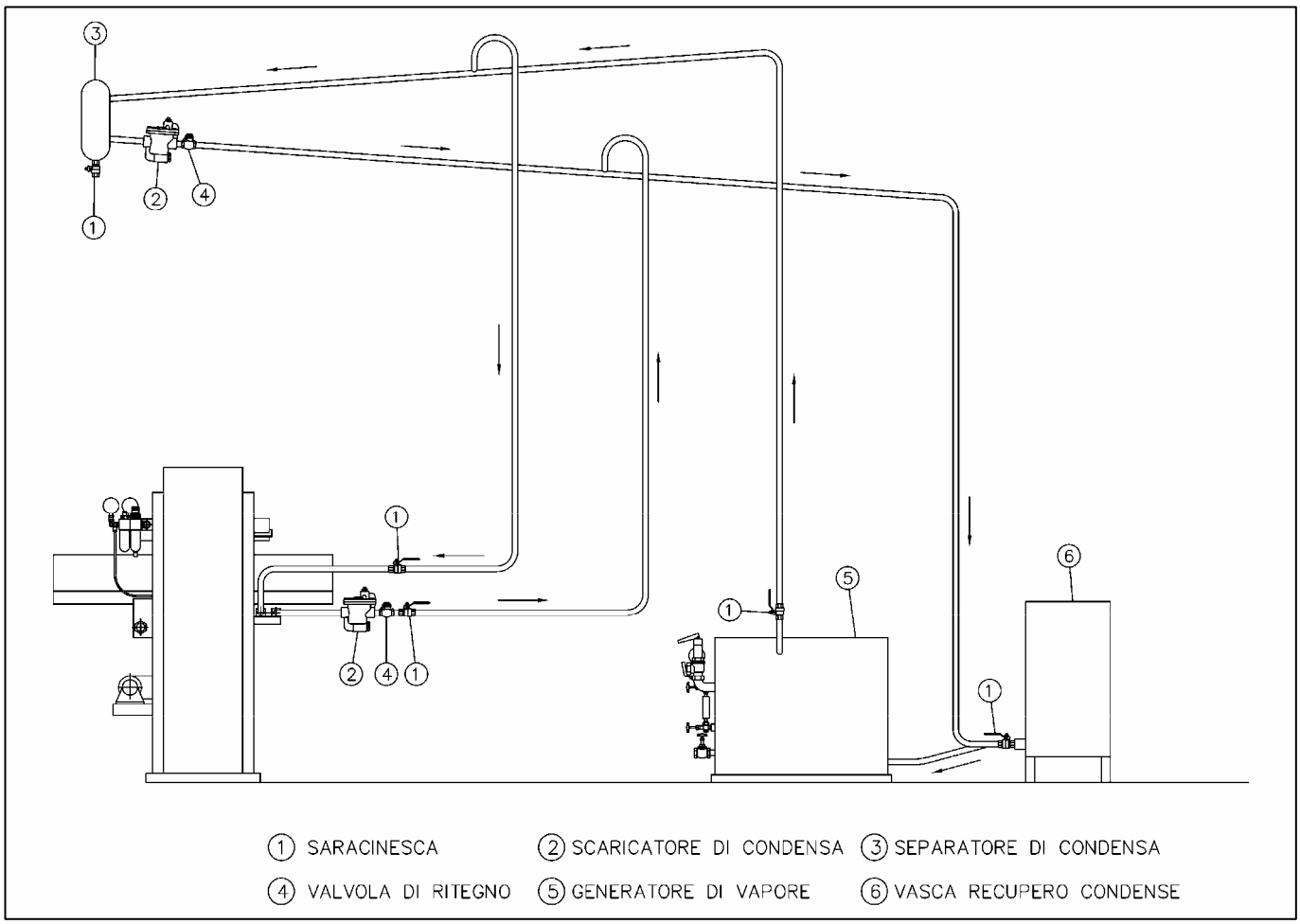
The connection to the central compressed air supply must be carried out by means of a G 3/8" Gas threading placed on the back of the machine.
Use a pipe having an internal Ø of at least 10mm and with a network pressure of maximum 10 bar (otherwise mount a pressure reducer). Install an on-off valve allowing the disconnection of the power supply.
The machine features a pressure reducer, a lubricator, a filter, and a condensation separator (low-boy) with an exhaust valve placed underneath the bucket. The valve discharges the condensation automatically in case of lack of pressure, please be reminded therefore to shut off the air supply at the end of your work. In case of high work pace, check periodically the condensation level in the filter bucket. If necessary, carry out the discharge manually, by opening the valve placed underneath the same. Check at regular intervals the oil level inside the lubricator and carry out the filling up with a suitable oil for pneumatic circuits, by opening the screw on top of the unit (before this operation, discharge the pressure from the installation).
The screw placed on top of the lubricator unit regulates the oil inlet into the pneumatic circuit: by turning it clockwise, the oil volume let into the circuit is reduced, and by turning it anticlockwise, it is increased.
Adjust the screw in order to assure one drop of oil every fifty working cycles.

6.5 WATER CONNECTION AND BOILER EXHAUST (only for machines with built-in boiler)

Connect the water pipes to the hose fitting Ø12 of the machine. Install an on-off valve and a filter on the water inlet, which has to be closed each evening, in order to avoid any water sucks into the boiler. Connect the gate valve of the boiler exhaust (featuring a 1/2" Gas-threading) to the drainage system.

6.6 STEAM SUPPLY CONNECTION (only for machines without boiler)

Connect the machine to a central steam supply as follows:
Connect a pipe with a G 1/2" gas threading to the top part of the steam outlet of the central unit and place an on-off-valve close to the machine. Afterwards, connect a pipe with an internal diameter of at least 15 mm to the steam intake (Ø1/2" Gas) of the machine. For the condensation return, provide a pipe with exactly the same features of the steam pipe, and install a condensation discharge with filter close to the machine, followed by an on-off valve and a check valve.
For the connection to the check valve, use a pipe with an internal diameter of at least 15 mm. The steam pressure must be of max. 6 bar.
Do not bend the pipes at right angles, but at least with a 50 mm radius. Make sure that the pipes have an even incline, especially the one for the condensation return.
Do not use traps, fittings or gate valves with a smaller diameter than the pipe, itself. The piping must not exceed 2.5 meters. The hole of the condensation return has to be at least 150 mm higher than the water level inside the boiler.



1 = Gate valve
2 = Condensation discharge
3 = Condensation separator
4 = Check valve
5 = Steam generator
6 = Condensate recovery tank

WARNING: After having carried out all the connections, make sure that pipes and cables are protected against any possible hits and are suitably fixed and isolated.

7 INSTUCTIONS FOR USE

7.1 PUTTING INTO OPERATION

- The whole unit can be used, opened and repaired by qualified technicians only.
- It is forbidden to use the machine if flooded by liquids or in particularly aggressive or explosive/inflammable places.
- Do not ignore the dangers for the operator's health and follow the hygienic and safety regulations.
- Make sure to use suitable pipes for the corresponding working pressures.
- Check that the electrical wiring is carried out correctly according to the current regulations, and that the fuse blocks are closed and complete of fuses.
- Verify if the control and safety devices of the boiler (pressure gauge, pressure switch, and safety valve) are intact.
- Make sure that the gate valve of the boiler exhaust is correctly closed.

7.2 PRELIMINARY STEPS TO CARRY OUT BEFORE EACH STARTING

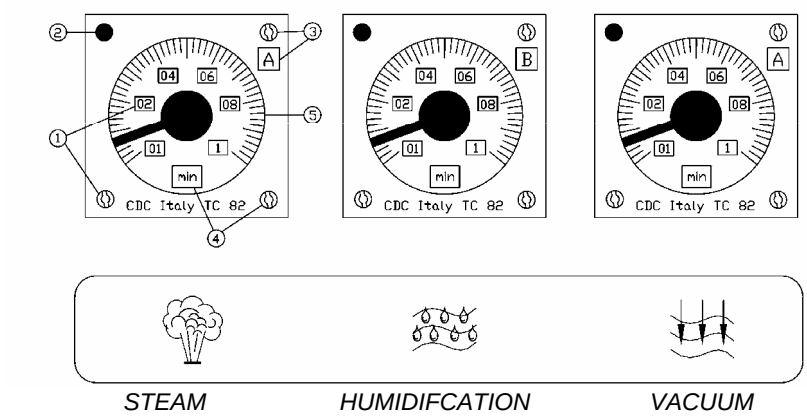
- Check if the machine is intact.
- *Machines with boiler:*
  - Open the on-off valve of the water feeding.
  - Turn on the main switch of the machine.
  - Press the boiler button.
  - The warning light of the water supply switches on automatically (the water starts running into the boiler).
  - Once the water has reached the required level (see also visual indicator) the relevant warning light switches off automatically, whereas the boiler heater and the relevant warning light turn on.

- After a few minutes the boiler reaches the working pressure of 4.5 bar (check the pressure on the pressure gauge), the relevant warning light switches off automatically.
- The generator is now ready to supply steam.

- *Machines without boiler::*
  - Check if the machine is connected to the central steam supply.
  - Turn on the main switch of the machine.
- *Machines with steam iron:*
  - Turn on the iron switch.
  - Adjust the temperature of the iron by turning the hand-wheel within the “steam” section.
  - Exclude the steam output of the iron, if not necessary, by means of the corresponding switch.
- *Machines with compressor:*
  - Make sure that the air cock is open and that there is no air left inside the tank.
  - Turn on the power supply switch of the compressor.
  - Pull the button on the upper cover of the pressure switch upwards.
    Warning: To stop the compressor, do not cut off the power supply, but push the pressure switch button down, in order to discharge the excess air inside the cylinder automatically for the next starting. For operations in an ambient temperature below 0°C, the compressed air inside the tank must completely be discharged prior to every starting.
- *Machines without compressor:*
  - Check the connection to the central compressed air supply.
- Once the machine is connected and turned on, you just have to set the working parameters (see relevant paragraph).
- Wait a few minutes until the machine has reached the required working temperature.
- Check, if the steam circuit is running regularly, by pressing and releasing several times the steam button.
- Some condensation may come out at the beginning. Pressing the steam button repeatedly will facilitate a quicker steam discharge.
- ***Pay attention to the danger of burns during these operations.***
- If the machine is new or has not been used for a long time, it is advisable to carry out some ironing cycles without any garments.

7.3 ADJUSTMENTS AND SETTINGS

- Adjust the closing pressure of the boards by means of the relevant handle.
- Regulate the steam output of the iron by means of the cock placed on the solenoid valve. By turning the knob clockwise, the steam output is reduced, by turning it anticlockwise it increases.
- Adjust the steam iron temperature by turning the relevant handwheel to the desired section.
- *Machines with timer controlled working cycles:*



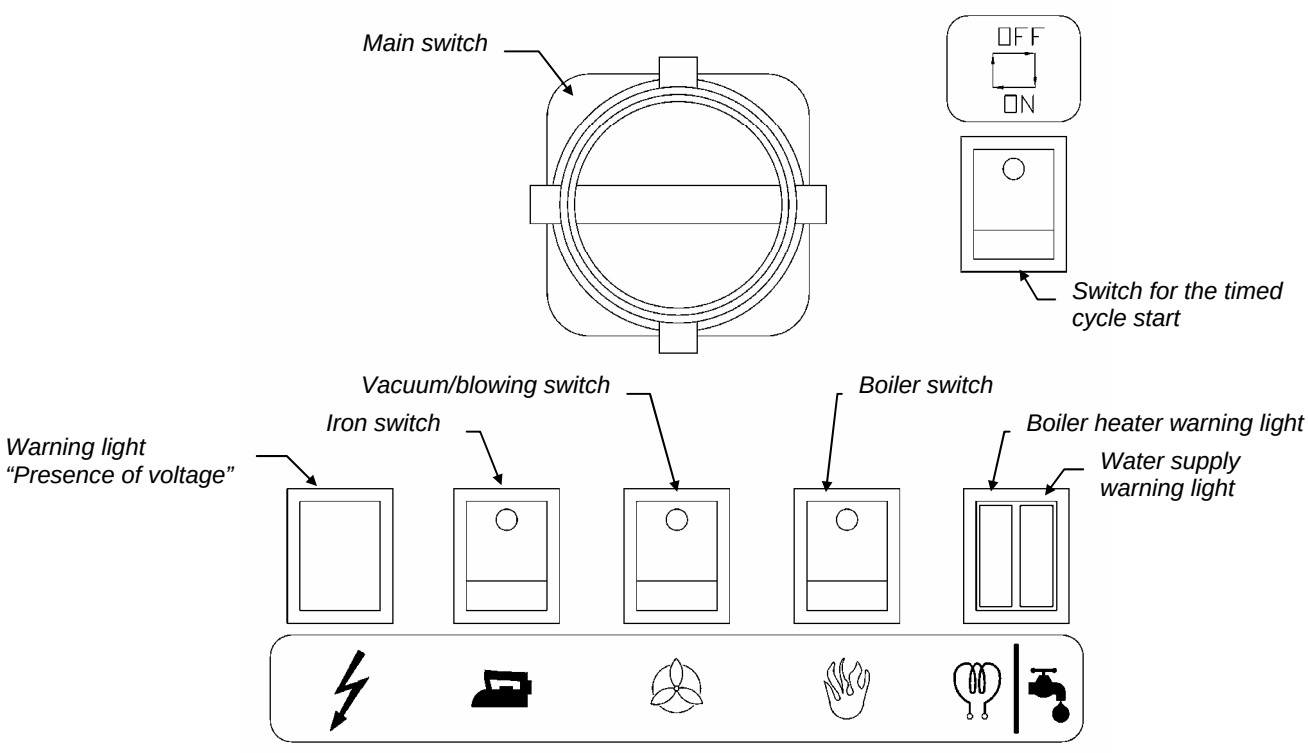
- ① - Set the scale selector to **01-1**.
- ② - Warning light (on = in operation).
- ③ - Selector for the operating mode: Set to **B** for the Collar&Cuffs version; for all the other versions set to **A** for the steam and vacuum timer and to **B** for the pause timer of the humidification.
- ④ - Set the time unit selector to **S** (seconds).
- ⑤ - Knob for the adjustment of the operating time (maximum 10 seconds with the previous settings).

7.4 USE OF MACHINES WITH LOWERING OF THE UPPER BOARD BY PUSH BUTTONS

- The lowering of the upper board is controlled by two push-buttons placed on the machine table, which have to be pressed both at the same time.
- By pressing only the left-hand push-button the steaming of the upper board is put into operation.
- The opening of the upper board is controlled by the rightmost push-button placed on the table.
- If the press features a safety-frame (optional for the control by push-button), the button controlling the opening of the board is also used to reset the safety frame if previously released.
- The vacuum is controlled by pedal or by the switch placed on the control panel. It is possible to install on request a second vacuum pedal.
- The steaming of the lower board is controlled by the corresponding pedal.
- The application of the blowing device controlled by a corresponding pedal, is also available on request.
- The versions featuring timers for the ironing cycles are supplied with a panic button placed on the table: upon pressing, it interrupts the ironing cycle and opens the upper board. The timer-controlled ironing cycle is started by means of the corresponding switch, but only upon complete closing of the upper board.

7.5 USE OF MACHINES WITH LOWERING OF THE UPPER BOARD BY PEDAL

- The lowering of the upper board is controlled by a corresponding pedal. If pushed upon completely lowered board, it starts the steaming of the latter.
- The machine features a safety-frame, which opens the upper board immediately if actuated. To reset the regular operation of the machine, press the left-hand reset button of the table.
- The locking of the closed board is effected by keeping the lowering pedal pushed down and by operating the valve lever installed on the left-hand side of the arm supporting the upper board (once the board is locked, take away your foot from the pedal). The same lever is used to open the board after the ironing operation. For the versions featuring timers, this valve controls the start of a timed ironing cycle, if previously actuated by the corresponding switch.
- The vacuum is controlled either by pedal or by the switch on the control panel. On request, it is possible to install a second vacuum pedal.
- The steaming of the lower board is controlled by the corresponding pedal.
- The application of the blowing device controlled by a corresponding pedal is also available on request.
- The versions featuring timers for the ironing cycles are supplied with a panic button placed on the table: upon pressing, it interrupts the ironing cycle and opens the upper board. The ironing cycle controlled by timer is started by means of the corresponding switch, but only upon complete closing of the upper board. If the ironing cycle is excluded, the steaming of the upper board is actuated by the valve lever installed on the right-hand side of the arm supporting the upper board.



7.6 USE OF THE STEAM IRON TYPE ”U”

- Switch on the iron a few minutes before you start working and wait until the soleplate has reached the adjusted temperature.
- In case the temperature of the soleplate has to be kept very high, we recommend to apply a Teflon® shoe in order to prevent burns of the garment.
- It is possible to install a safety device preventing the upper board from closing while the operator is still ironing or in case the iron is unintentionally left on the board.

7.7 USE OF THE SPOTTING SHAPE

- The spotting shape is seated underneath the lower board and is connected to the vacuum duct of the same. The vacuum on the spotting shape is actuated by pulling the shape towards the operator.

7.8 USE OF THE STEAM-AIR GUN

- Place the garment to be treated on the spotting shape, making sure that it lies exactly on the vacuum part.
- Press the steam button of the gun, by turning the condensation-jet first towards a tank until only steam comes out.
- Draw the gun closer to the part to be treated, by pushing at the same time the vacuum and the steam pedal.
- Once the stain is dissolved, dry the treated part by pushing simultaneously the vacuum pedal and the air-button on the gun.

8 TROUBLESHOOTING AND SOLVING

The following diagnostic table indicates the main irregularities which can occur, their probable causes and possible solutions
In case of doubts and/or of problems which can’t be solved, do not attempt to disassemble parts of the machine for the troubleshooting, but contact our Technical Department or the Primer-reseller, instead.

DIAGNOSTIC TABLE		
PROBLEMS	POSSIBLE CAUSES	SOLUTIONS
The machine doesn’t turn on	Main switch turned off	*Make sure that the main switch is turned on*
	Blown fuses	*Check the fuses*
No pneumatic movement	No air supply	*Check the air pressure on the pressure gauge placed on the reducer*
The upper board lifts to slowly	Silencers on the cylinder exhaust blocked	*Replace silencers*
	Spring load too weak	*Adjust the load by turning the corresponding screw*
The steam iron doesn’t work	The safety thermal fuse has blown	*Replace by a qualified technician, by making sure to have removed the causes due to which the thermal fuse has blown, before switching on the iron again.*
Machines without boiler **No steaming**	Steam intake cock closed	*Open the cock of the steam intake*
Machines with boiler **The water warning light is turned on and the water pump keeps on running without stopping**	No water is streaming into the boiler	*Check if the water cock is open*
		Check the presence of pressure inside the water mains.
		Check if the water filter is obstructed.
Machines with boiler **The heater warning light is always switched on and the boiler doesn’t reach the working pressure**	Leak on the boiler exhaust.	*Check if the gate valve of the boiler exhaust is well closed.*
	Burnt out heater or covered with scale.	*Check the heater condition.*

WARNING: *if the safety valves is released, switch off the boiler immediately and contact a qualified technician. Do not block the exhaust and do not underestimate the problem, as there could be risk of explosion.*

9 PRECAUTIONS

Read carefully the instructions and the risks related to the use of a press. The operator has to know its working functions and must clearly understand its dangers with the help of the manual.
If the machine features a steam iron, do not leave it switched on for too long and put it always back on the relevant iron rest. Do not operate the lowering of the upper board whenever you are ironing on the lower one (we recommend to apply a safety device on the iron rest, preventing the upper board from going down whenever you use the iron).

Main electrical supply
Prior to carrying out any inspection or service on the machine, it is necessary to disconnect it from the main electrical supply. Make sure, that nobody can reconnect it during the technical service.
Every installed electrical and electronic equipment or basic structure must be earthed.
Inflammability
Adopt all the necessary precautions to avoid any direct contact of the machine with hot materials or flames. Put fire extinguishers near the machine for an immediate intervention in event of fire.
Pressure / Steam
Prior to any intervention, switch off the boiler first, wait until all the pipes are cooled down and check that there are no residual pressures inside the boiler or in any branch of the hydraulic circuit, as they could cause steam spurts, in case of disassembly of fittings or other components.
Pressure
Prior to any intervention, check that there are no residual pressures inside any branch of the pneumatic circuit
Noise
The machine's noise level is not very high, as it remains under 70dB (A).

10 DISPOSAL

During the maintenance on the machine, or in case of its scrapping, please dispose carefully and correctly of any polluting components, according to the local regulations. In case of scrapping, the identification rating plate and any other document have to be destroyed.

11 HAZARDOUS USE

The conformity verification according to the essential safety rules and to the provisions of the machine directive has already been carried out by filling out the specially provided checking lists, included in the technical file.
The checking lists are of two kinds:

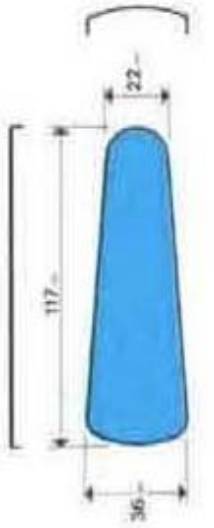
- List of dangers (drawn from EN 1050 referring to EN 292)
- Application of the main safety features (Machine Directive– appendix. 1, part 1)

The dangers described in the following have not been completely removed, but they have been deemed to be acceptable:

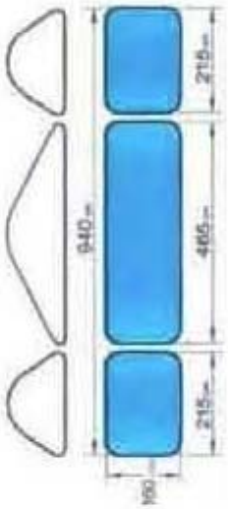
- During the maintenance operation there could be some steam jets at low pressure, (maintenance operation must therefore be carried out by using suitable protection devices)
- The user must provide for a protection against direct and indirect contacts.

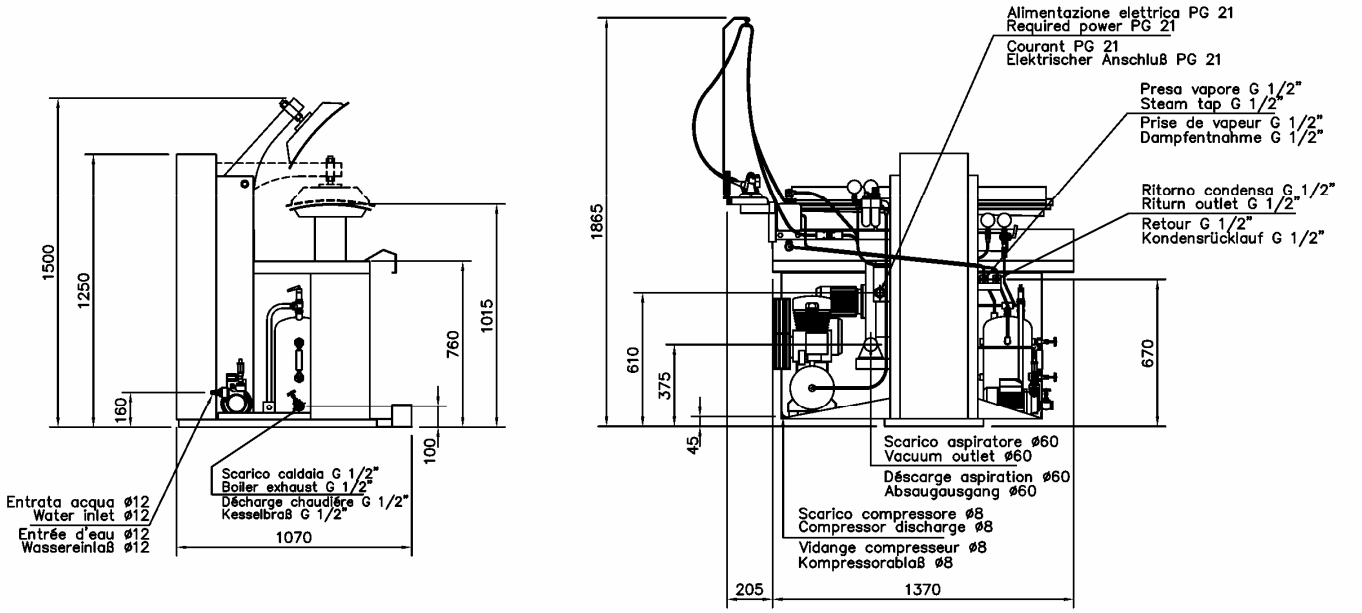
12 OVERALL DIMENSIONS AND DRAWINGS

- Piani universali
- Utility bucks
- Plateaux universaux
- Universalbügelflächen

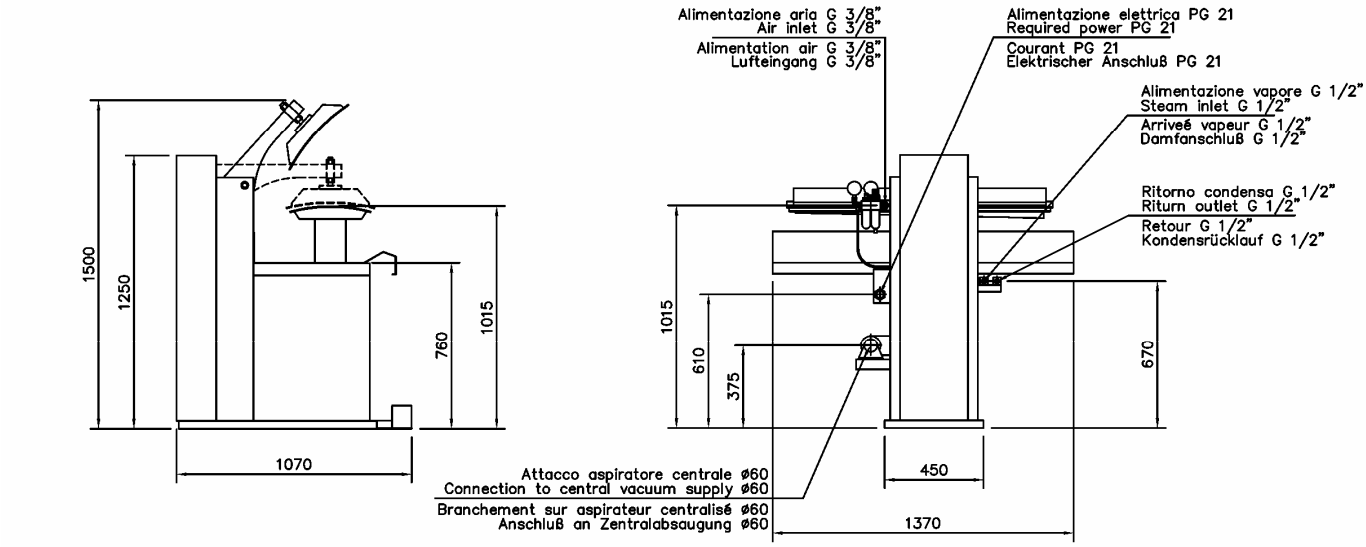


- Piani collo e polsi con piatò superiore lucido
- Collar & cuffs boards with polished head
- Plateaux col et poignets avec plateau supérieur poli
- Kragen- und Manschettenbügelformen mit oberer Glanzfläche

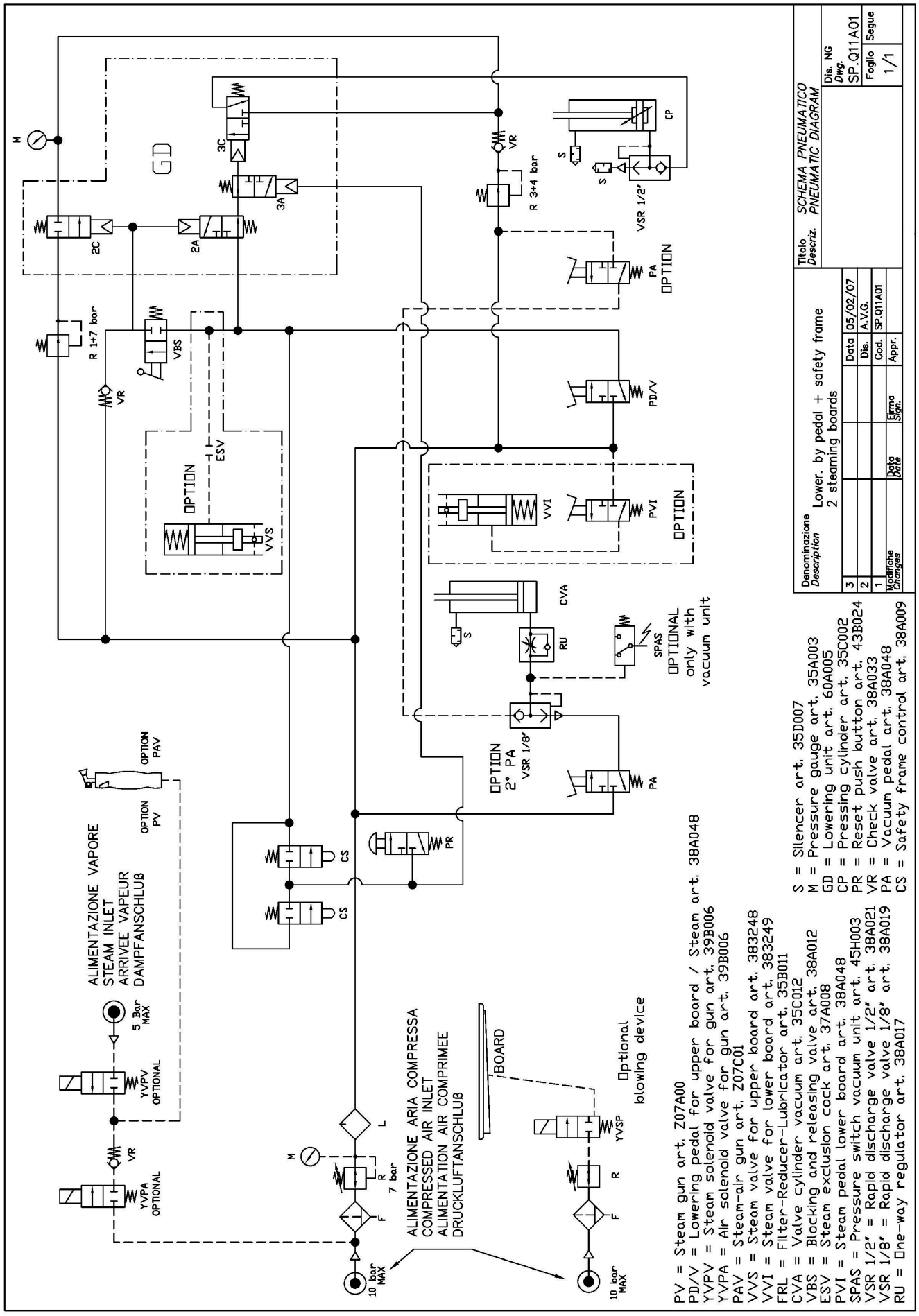




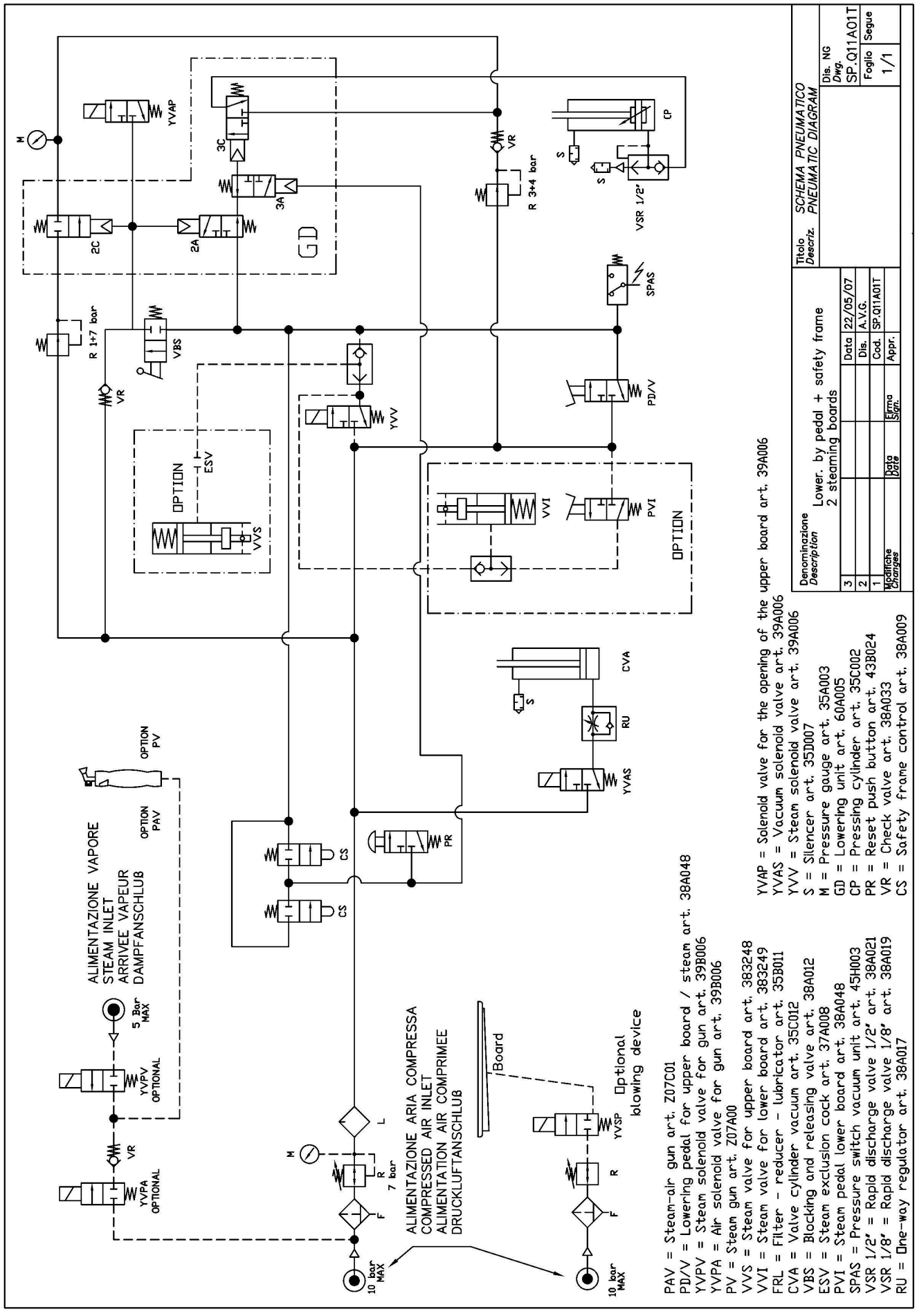
CENTRAL VACCUM SUPPLY



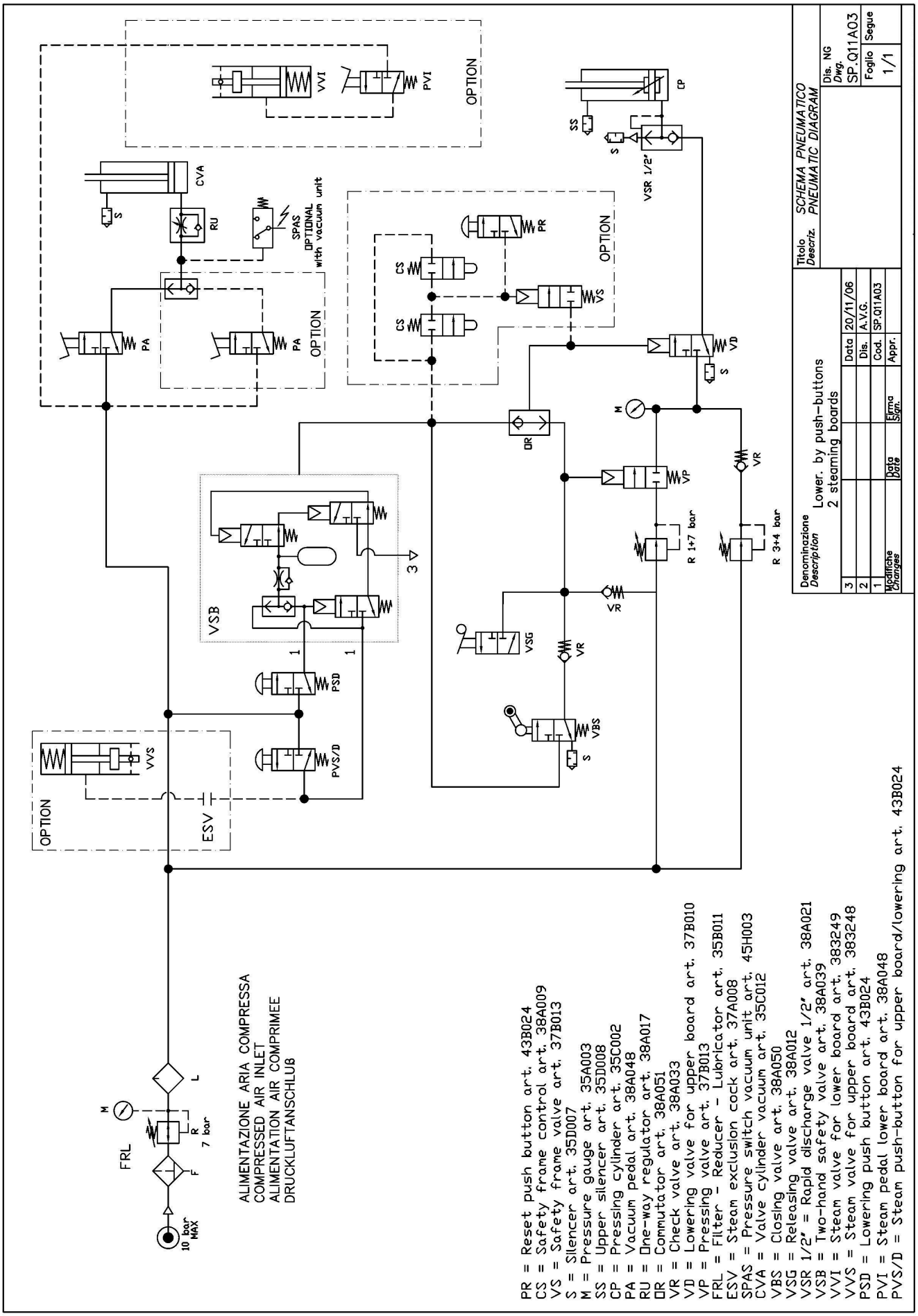
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U



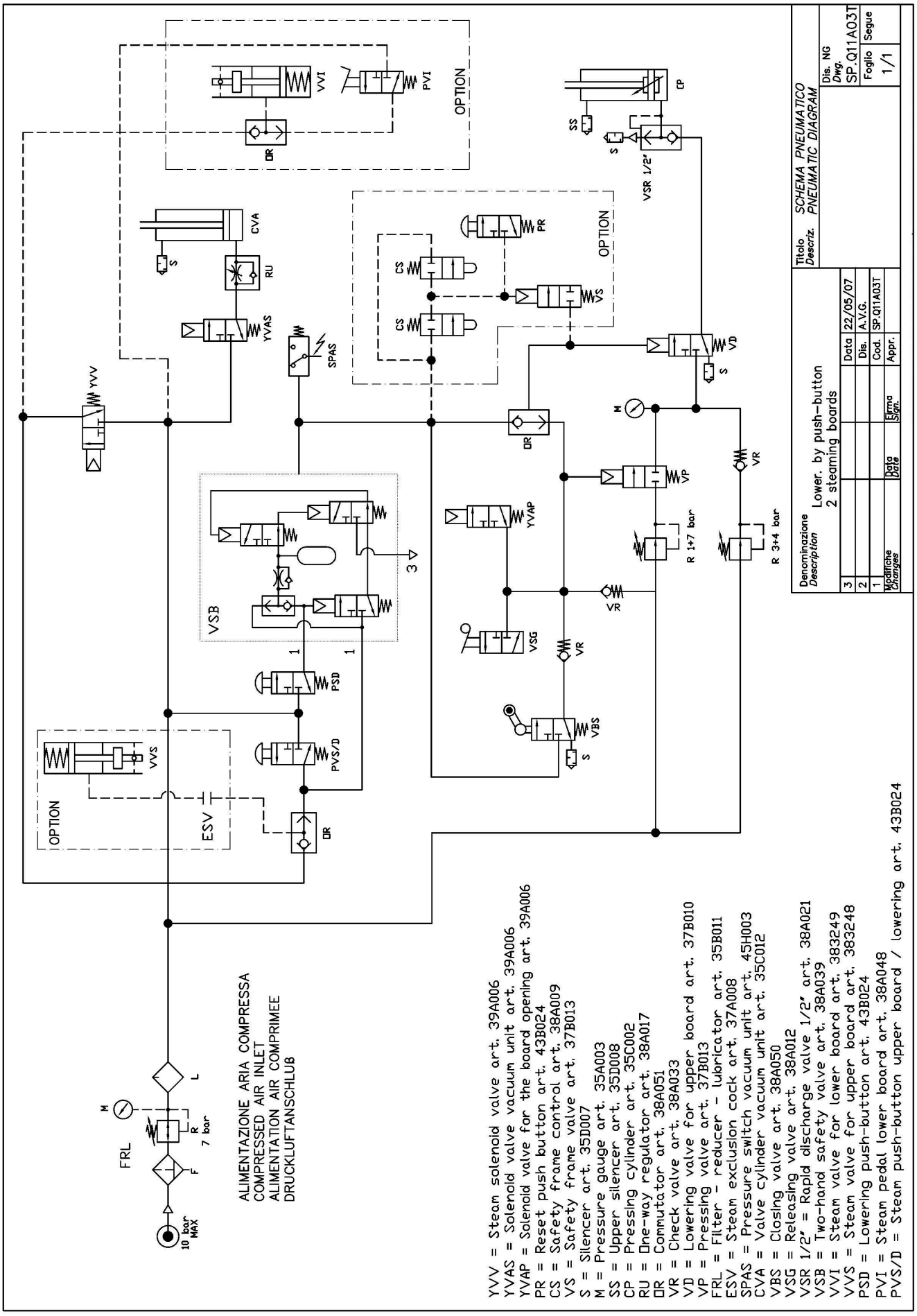
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U (3 TIMES)



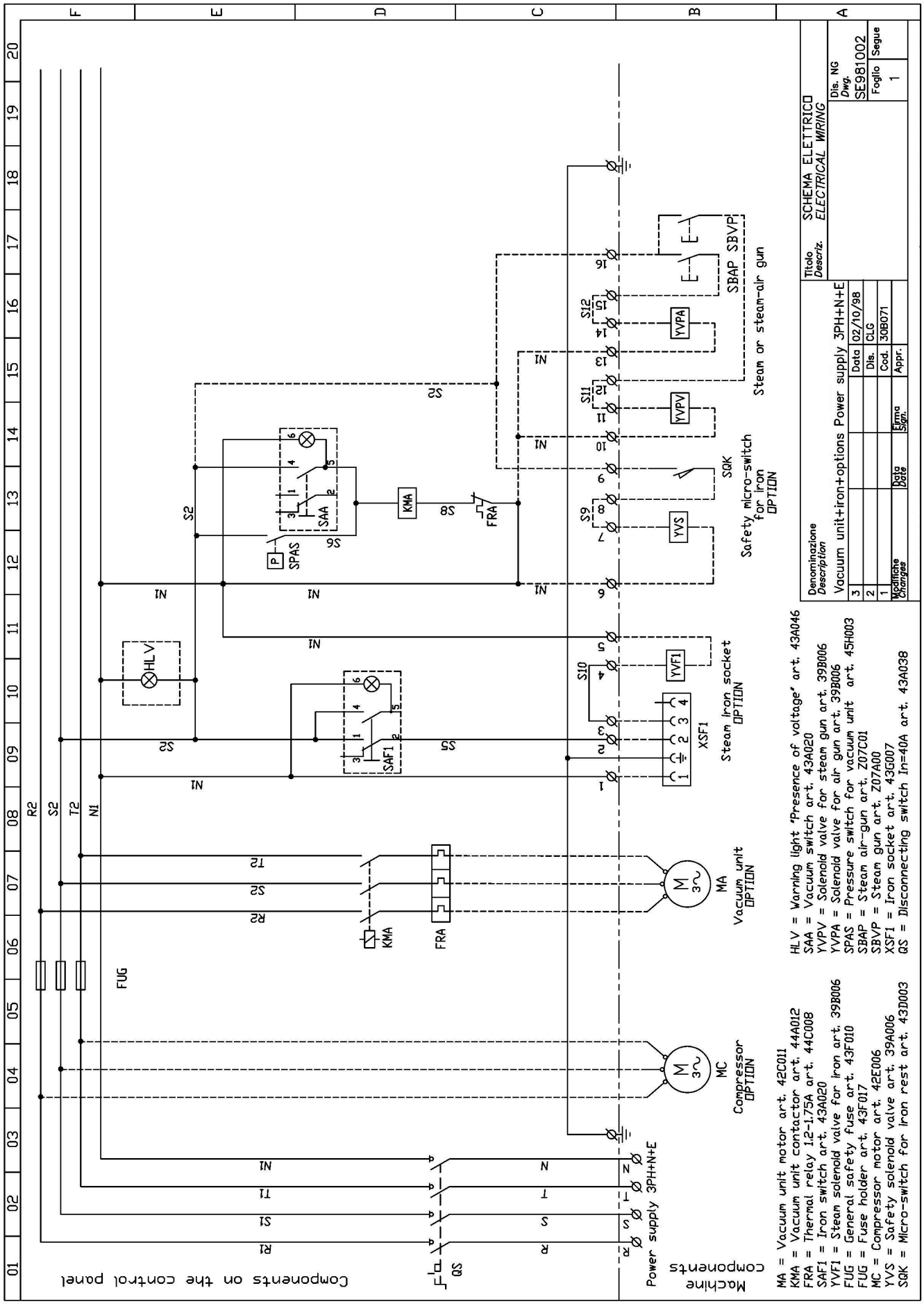
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: Obsoleto / Obsolete



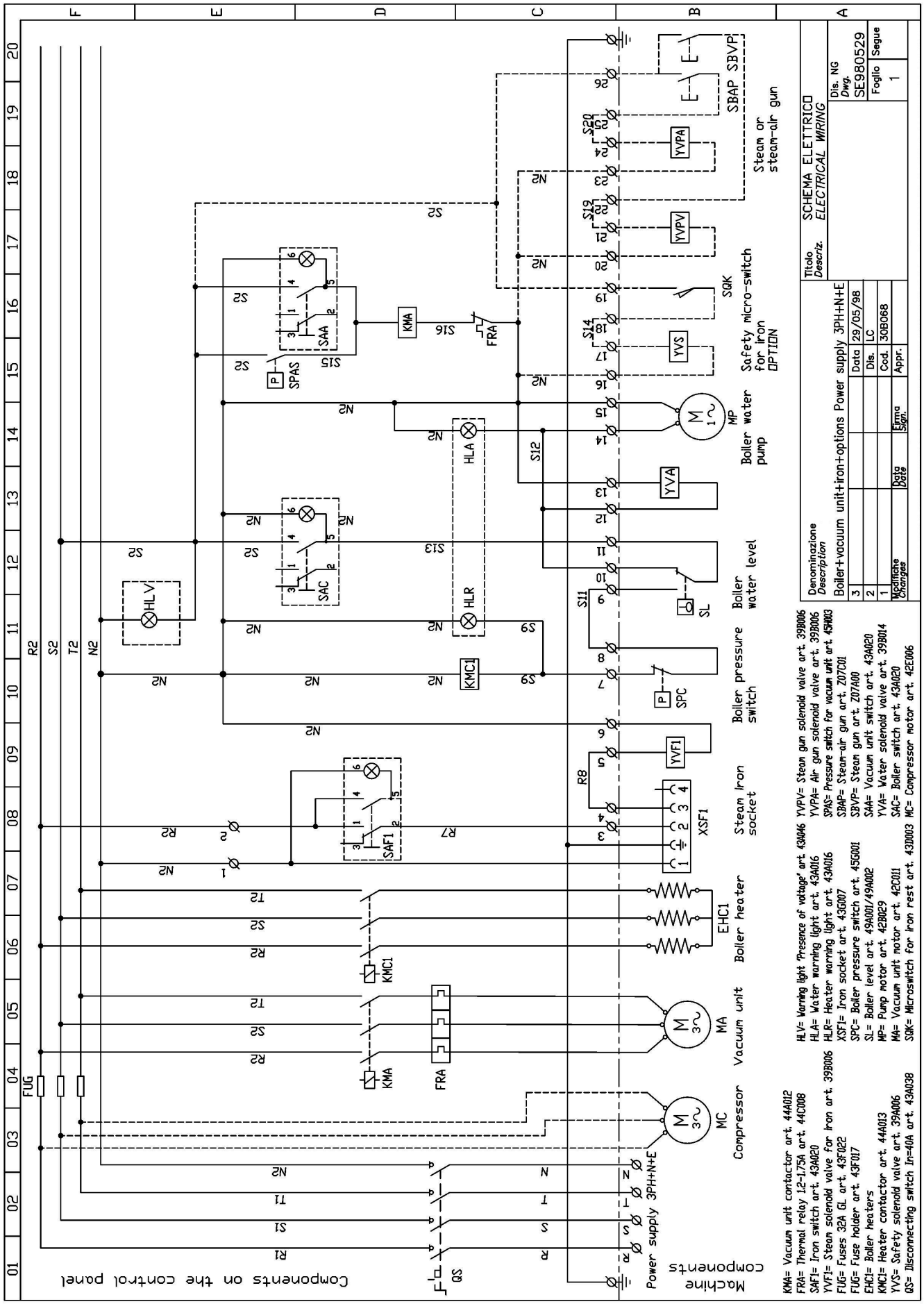
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: Obsoleto / Obsolete



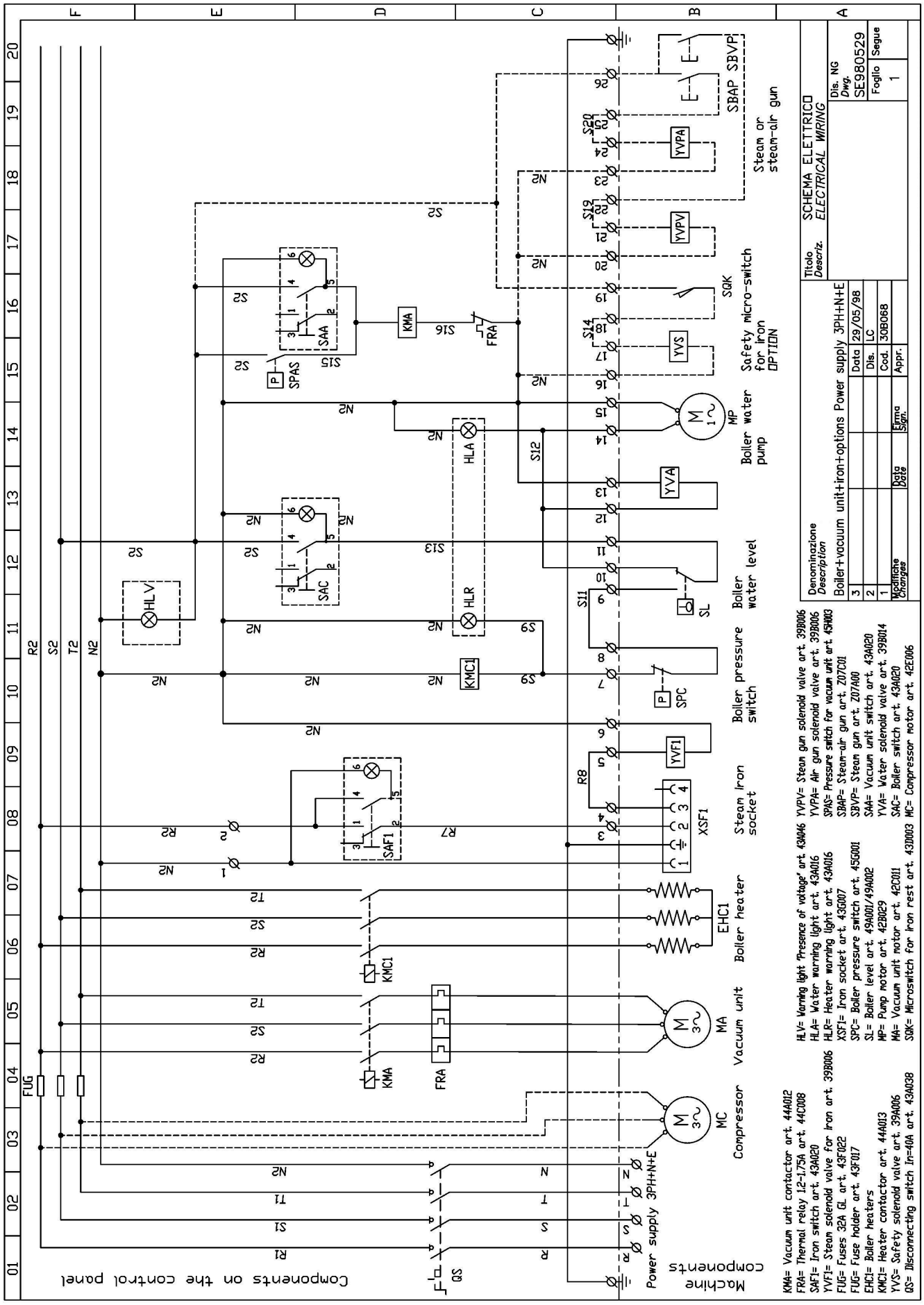
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U-CP



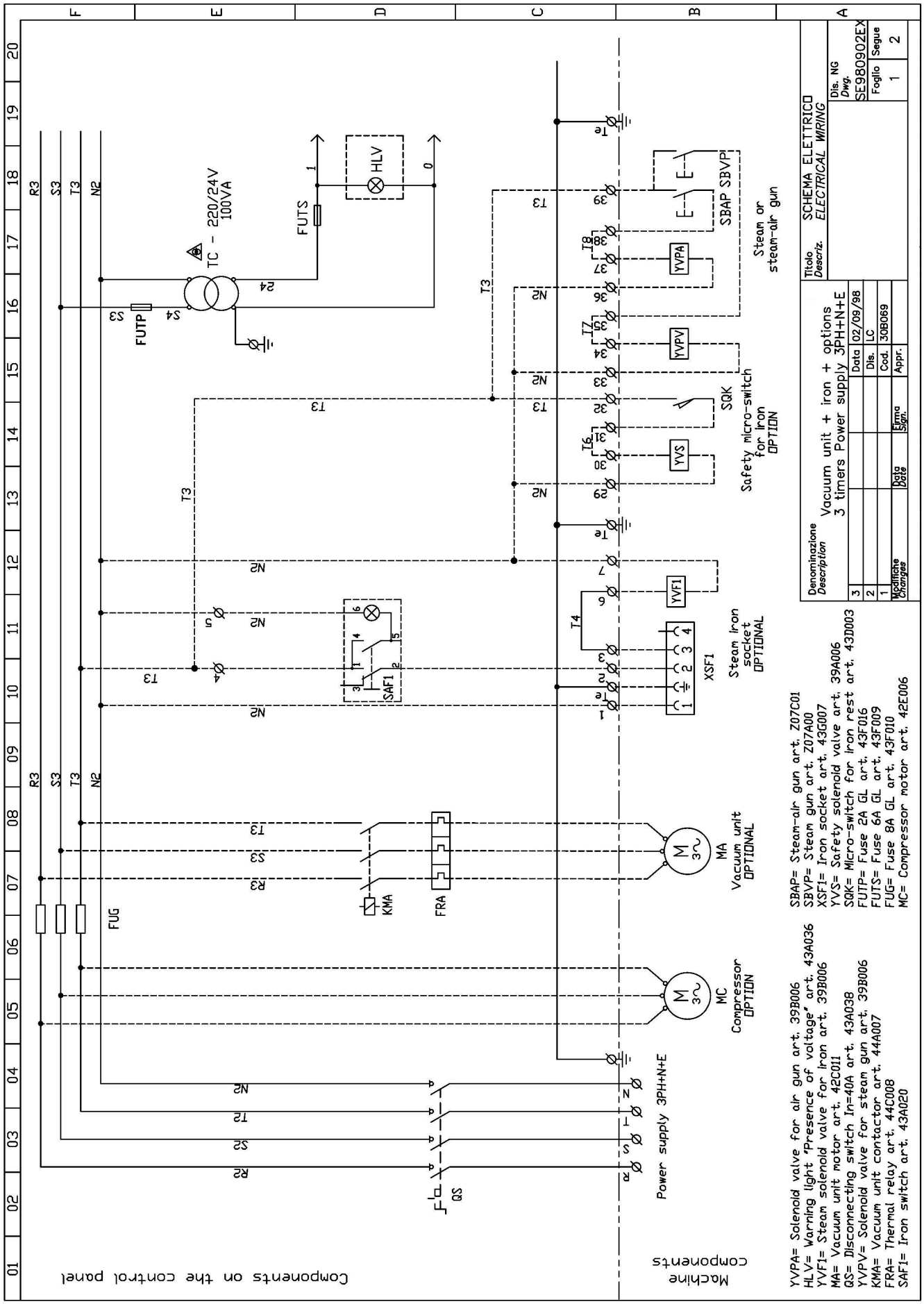
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U-CP



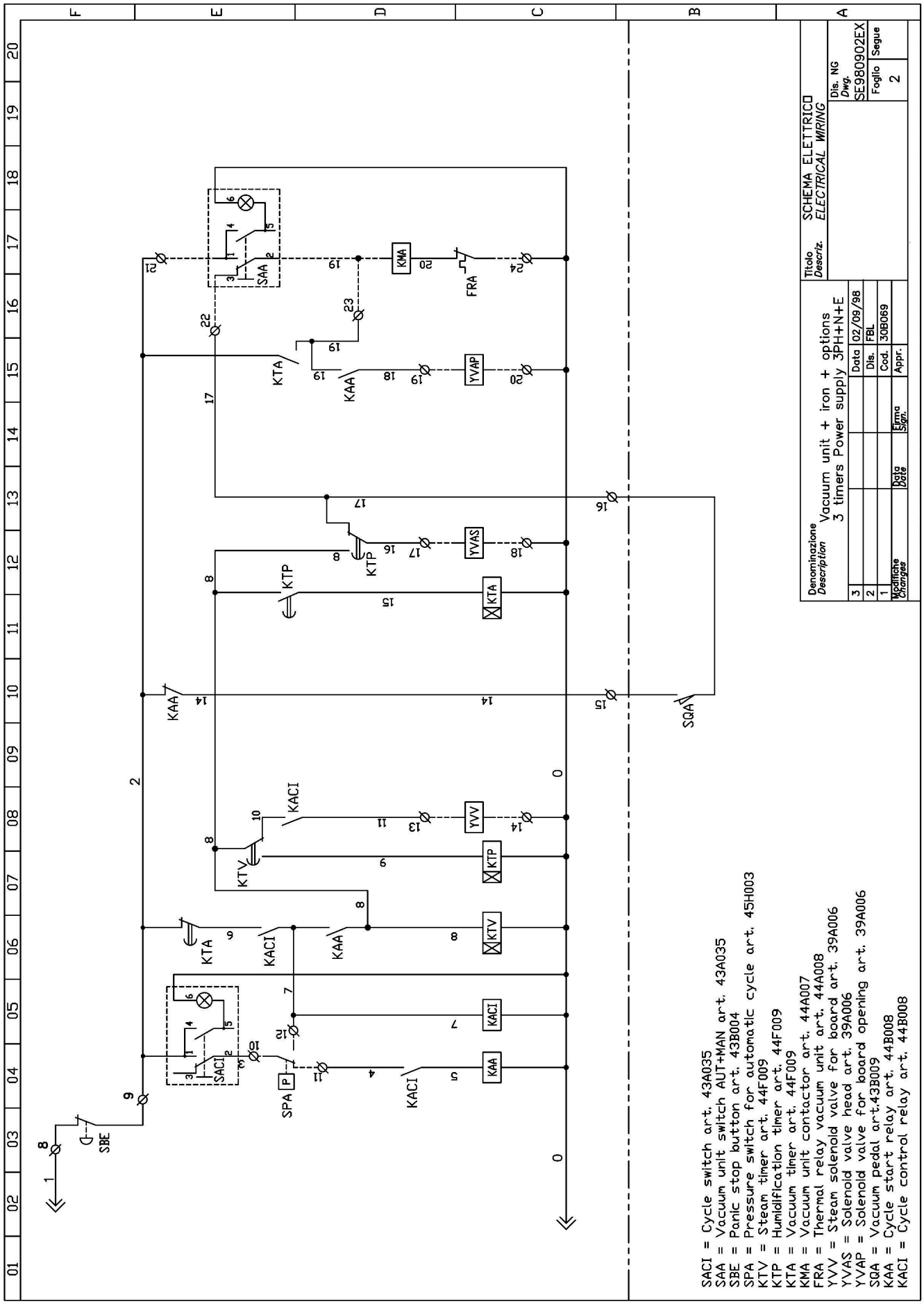
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U



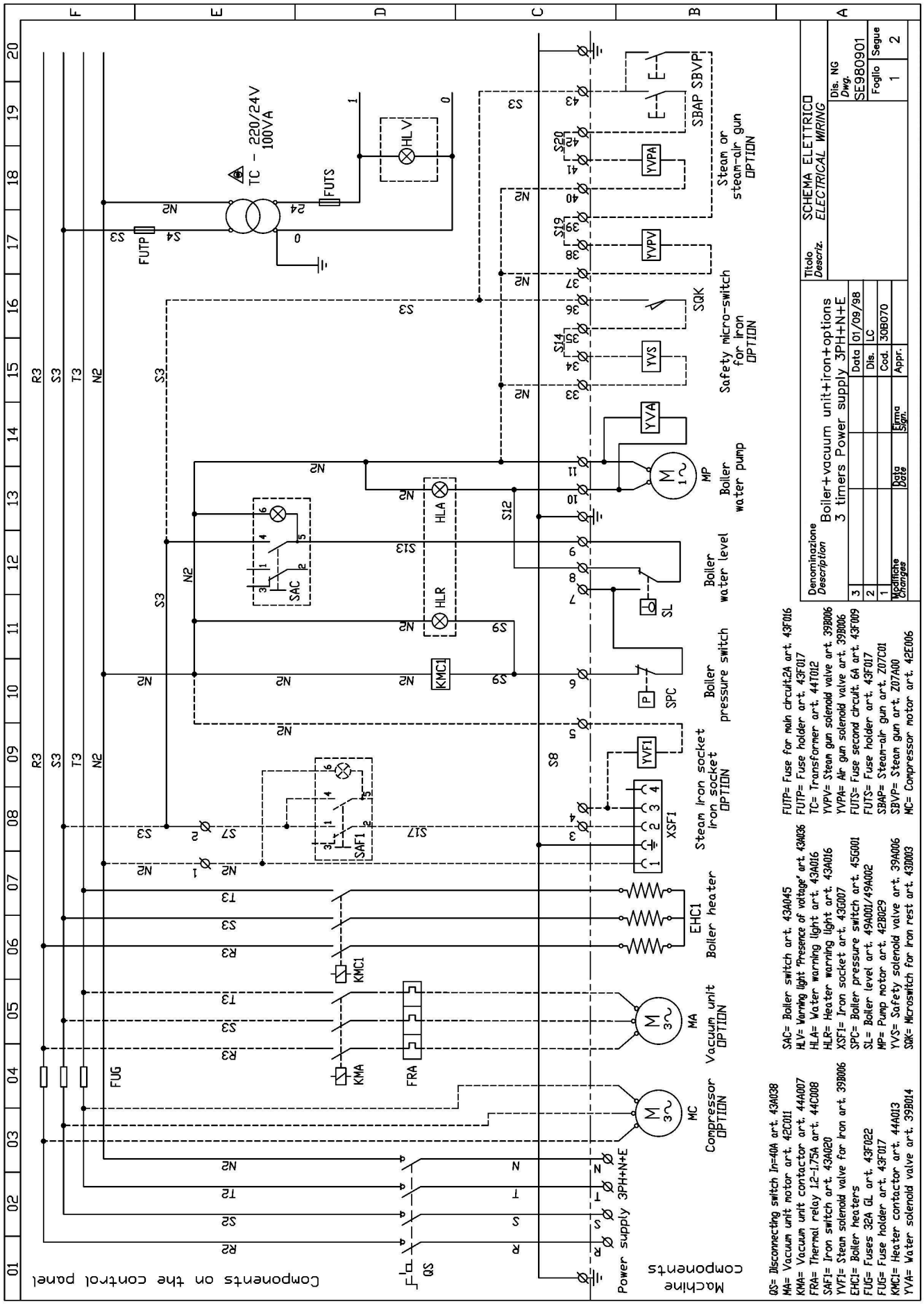
ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U



ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U

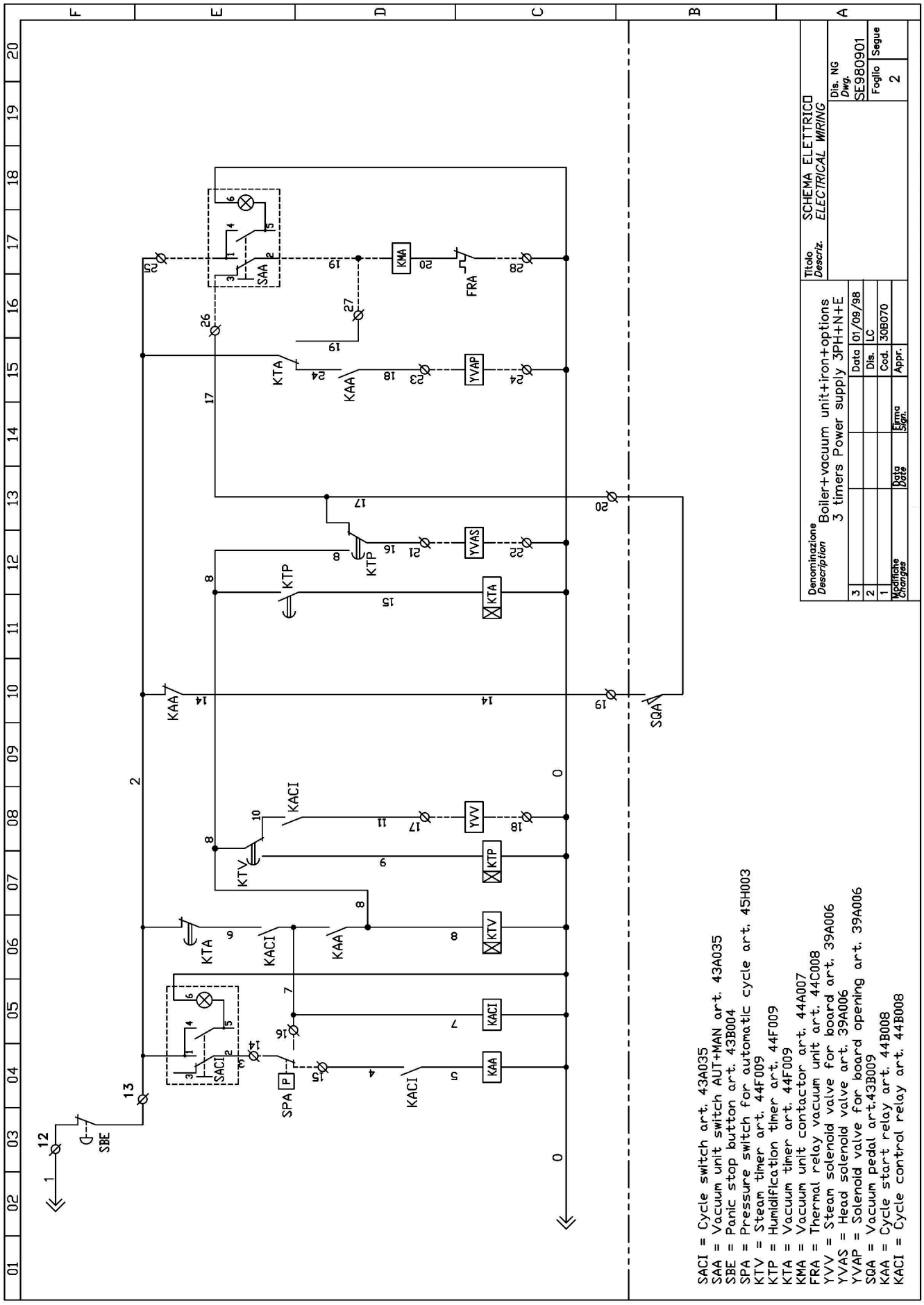


ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U



QS= Disconnecting switch In=40A art. 43A038
MA= Vacuum unit motor art. 42C011
KMA= Vacuum unit contactor art. 44A007
FRA= Thermal relay 1.2-1.75A art. 44C008
SAF1= Iron switch art. 43A020
YVF1= Steam solenoid valve for iron art. 39B006
EHC1= Boiler heaters
FUG= Fuses 32A GL art. 43F022
FUG= Fuse holder art. 43F017
KMC1= Heater contactor art. 44A013
YVA= Water solenoid valve art. 39B014
SAC= Boiler switch art. 43A045
HLV= Warning light "Presence of voltage" art. 43A036
HLA= Water warning light art. 43A016
HLR= Heater warning light art. 43A016
XSF1= Iron socket art. 43G007
SPC= Boiler pressure switch art. 45G001
SL= Boiler level art. 49A001/49A002
MP= Pump motor art. 42B029
YVS= Safety solenoid valve art. 39A006
SQK= Microswitch for iron rest art. 43D003
FUTP= Fuse for main circuit:2A art. 43F016
FUTP= Fuse holder art. 43F017
TC= Transformer art. 44T012
YVPV= Steam gun solenoid valve art. 39B006
YVPA= Air gun solenoid valve art. 39B006
FUTS= Fuse second circuit. 6A art. 43F009
FUTS= Fuse holder art. 43F017
SBAP= Steam-air gun art. Z07C01
SBVP= Steam gun art. Z07A00
MC= Compressor motor art. 42E006

ESQUEMA ELÉCTRICO / ELECTRIC DIAGRAM: PRE-U



13 MAINTENANCE PROCEDURES

In case of irregularities or malfunctioning, please contact the service technician for the relevant checks.

Periodically, it is necessary to carry out the following operations:

OPERATION	WORKING HOURS
Boiler discharge (*)	40
Cleaning of the water filter	1500
Cleaning of the boiler, and of the heating elements	2500
Cleaning of the condensation return filter	500
Lubrication of pedal rods and of all moving parts subject to friction	2500
Oil check and filling up inside the lubricating unit of the pneumatic circuit	200
Tightening of the bolts on the compressor head	Prime 3
Oil level check of the compressor	Prime 3
Replacement of the compressor oil with API CC SAE 40 oil or similar	Prime 100
Condensation discharge of the compressor	40
Cleaning of the vacuum filter on the compressor	1500
Replacement of the compressor oil with API CC SAE 40 oil or similar	1000

(*): Discharge the boiler once it has reached 1 bar of pressure, in order to remove any limescale or dirt deposits. When the machine is switched off, open slowly the gate valve of the boiler exhaust. We recommend to carry out this operation before you start working and not in the evening at the end of work, as the fresh water streaming into the boiler is rich in oxygen, increasing during the night the corrosion process inside the drum.

This machine does not require special equipment for check and/or maintenance operations. It is however advisable to use suitable tools and personal protections in compliance with the Italian law by decree 626/94, which have to be in good conditions (Presidential Decree 547/55), in order to avoid any damages to persons or machine components.
Make sure that the power supply and the hydraulic system are disconnected prior to any maintenance service.

14 HOW TO ORDER SPARE PARTS

Upon the spare parts request, please quote always:
Machine type, serial number, quantity of the requested spare parts, article number (these data can be read on the rating plate or supplied by the technical information of the machine and by the user's and maintenance manual).
For electrical components with a different voltage and frequency from V 220-380/50Hz (data available on the rating plate of the faulty component), specify the right voltage and frequency after having mentioned the article number.
The technical data, the descriptions, and pictures included in this manual are not binding.
The manufacturer reserves the right to make any necessary modification without prior notice or having to up-date the present manual.

15 HANDLING AND TRANSPORT

Before its shipment, the machine is carefully packed in a wooden crate. During the shipment and storing of the machine, pay particular attention to the upside indication on the packaging (wooden crate or pressed cardboard). Upon receipt, please check that the packing is intact and store the machine in a dry place.

16 WARRANTY

All Primer products are guaranteed for a maximum period of 12 months from delivery date as far as material and construction defects are concerned.
The warranty is extended as follows:
In case of malfunction of the equipment, please contact your Primer reseller, specifying the noticed defect, type, serial number and furthermore the operating conditions of the machine. After having received the equipment or component and after an accurate analysis, Primer reserve the right, whether to repair or to replace the product. If the machine is still under guarantee, the Primer reseller will carry out the service or replacement at Primer charge. In case the returned goods are not defective, Primer reserve the right to charge the customer with the met expenses (shipment, etc.). The present warranty will be declared void, if the machine has been damaged due to improper use, negligence, normal wear, chemical corrosion, installation not according to the provided instructions and to the manufacturer's warnings.
Any modification, tampering and alteration on the machine or its components, carried out without prior written authorization by Primer relieve the latter of any responsibility and annuls any warranty obligation. The components subject to normal wear and the perishable ones are not under warranty, as well as everything which has not been previously explicitly indicated, or damages or expenses arising from defects of the same product.
The validity conditions of the guarantee provided by Primer are considered implicitly accepted upon purchase of the machine. Any possible changes to or derogations from the present guarantee are only valid prior written authorization by Primer.

MAQUINARIA PARA EL LAVADO INDUSTRIAL
MACHINES FOR THE INDUSTRIAL LAUNDRY
MACHINES POUR LE LAVAGE INDUSTRIEL
LAVATRICE INDUSTRIALE

C/Comerç, 6-12 -08504 Sant Julià de Vilatorta (BARCELONA-SPAIN)
Web www.primer.es

SERVICIO COMERCIAL - SALES – COMMERCIALE – SERVIZIO POST VENDITA

Tel. +34 938 122 770 / Tel. Mob. : 608 351 407 Fax +34 938 122 771 e-mail info@primer.es

SERVICIO POST-VENTA - AFTER SALE SERVICE - SERVICE APRÈS VENTE – SERVIZIO POST VENDITA

Recambios – Spare Parts – Pieces detachées - Ricambios

Tel. +34 938 122 775 Fax +34 938 122 727 e-mail parts@primer.es / parts@primerlaundry.com

Asistencia Técnica – Technical Service - Assistence Technique – Assistenzia tecnica

Tel. +34 938 122 732 Fax +34 938 122 727 e-mail sat@primer.es / sat@primerlaundry.com