DOWN-DRAFT TABLE

DOWN-DRAFT TABLE

WELDING AND GRINDING WITH AUTOMATIC CLEANING

SAFETY INSTRUCTIONS FOR USE AND MAINTENANCE

N° W000342106 - W000342107 - W000378190

EDITION : EN
REVISION : A
DATE : 10-2022

Instructions for use

REF : **8695 8013**

Original instructions

LINCOLN® ELECTRIC

Thank for the trust you have expressed by purchasing this equipment, which will give you full satisfaction if you follow its instructions for use and maintenance.

Its design, component specifications and workmanship comply with applicable European directives.

Please refer to the enclosed CE declaration to identify the directives applicable to it.

The manufacturer will not be held responsible where items not recommended by themselves are associated with this product.

For your safety, there follows a non-restrictive list of recommendations or requirements, many of which appear in the employment code.

Finally we would ask you kindly to inform your supplier of any error which you may find in this instruction manual.

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CE

DOWN-DRAFT TABLE FOR WELDING AND GRINDING

DOWN-DRAFT TABLE FOR WELDING AND GRINDING MECHANICAL FILTRATION WITH AUTOMATIC CLEANING

TYPE : W000342106 - W000342107 - W000378190

1) **CE/UE DECLARATION OF CONFORMITY**

Dear customer, This CE/EU declaration of conformity certifies that the supplied equipment complies with applicable laws and regulations when used in accordance with the enclosed instructions. Any other assembly or modification would void our certification. That is why you are asked to call in the manufacturer for any modifications you wish to make. Failing that, the company responsible for the modification must repeat the certification process. In that case, we would not be liable for the new certificate in any way. Please hand this document over to your technical department or purchasing department for filing.

DESCRIPTION	TYPE
Down-draft welding and grinding with automatic cleaning 1200 x 800	**W000342106**
Down-draft welding and grinding with automatic cleaning 2000 x 1000	**W000342107**
Down-draft welding and grinding with automatic cleaning 3000 x 1000	**W000378190**

NUMBER: **See identification plate**

2) This equipment complies with European directives.

◙ N° 2006/42/CE ◙ N° 2011/65/UE ◙ N° 2014/30/UE

3) Based on the following harmonised standards:
EN ISO 12100:2010
EN ISO 13850:2008
EN ISO 13857:2008
EN ISO 12499
EN 60204-1:2006 / AC:2010

4) Air Treatment Products Manager, authorised to compile the technical manufacturing document.
M. Patrick DEGROOTE
LINCOLN ELECTRIC FRANCE SAS
Avenue Franklin Roosevelt
76120 – LE GRAND QUEVILLY

5) The Manufacturer.
LINCOLN ELECTRIC FRANCE SAS
Avenue Franklin Roosevelt
76120 – LE GRAND QUEVILLY

CERGY, on 09/01/2020

A - INTRODUCTION

USING THE MANUAL

Please read this manual before you start handling, installing or using the machine. Keep the manual safe in a place known to the machine user and maintenance personnel until the machine is finally destroyed.
This manual explains how to transport, install, use and maintain the filter. It cannot in any event replace the experience of the user for operations of varying difficulty.
Before the filter is used by a new user, make sure that they have read this manual and understood all the explanations provided.
For any further information, please feel free to contact the technical departments of **LINCOLN ELECTRIC**.

MACHINE GUARANTEE

This machine is guaranteed for 12 months from the date of purchase.
During the first 12 months of use, defective parts shall be replaced free of charge providing the damage is not the result of improper use of the machine.
The machine guarantee shall cease automatically when the machine is no longer the property of the original buyer.
The terms of validity of the guarantee shall be subject to verification and acceptance by our sales department.
Any nonconforming use that could damage the machine shall not be covered by the guarantee.
For the guarantee to operate, the equipment must be inspected by our technical department.

ASSISTANCE

LINCOLN ELECTRIC is at your disposal for any work on your equipment.
Please send any requests to the technical department.

HOT LINE (+33) 825 132 132

DESCRIPTION OF PICTOGRAMS

To make this document easier to understand, it contains pictograms with the meanings given below :

DANGER: indication used when failure to follow the instructions could lead to a serious hazard for personnel.

WARNING: indication used when failure to follow the instructions could lead to damage to the machine, associated elements or the surroundings.

This symbol shows that the description is intended for specialised personnel.

B - GENERAL SAFETY INSTRUCTIONS

ELECTRICAL SAFETY

Connection to the mains

Before you connect your machine, please make sure that:
- The meter, the overintensity protection system and the electrical installation are compatible with its maximum power rating and its supply voltage.
- It can be connected, in a single-phase or three-phase with earth system, to a socket compatible with the plug on its power cord (mobile equipment).
- If the cable is connected to a fixed point, the earth connection, if there is one, may never be cut off by the system offering protection from electric shocks.
- The switch, if there is one, is set to OFF.

Workstation

Arc welding and cutting requires strict compliance with safety requirements in respect of electrical currents (Order of 14 December 1988).

Working on the machine

Before any internal checking or repairs, make sure that the machine has been disconnected from the electrical system by locking it out:
- Accidental connection of the cable of a fixed system has been made impossible
- Cutting off by means of a fixed connection device relates to all poles (phase and neutral. It must be in the OFF position, with no possibility of being put into service by mistake

Some machines have an HV/HF arc ignition circuit (indicated by a plate). Never work inside such a box.

Any work on electrical systems must be carried out by persons qualified for that purpose (Decree 88-1056 of 14 November 1988, Section VI, Art 46).

Maintenance

From time to time, check that the machinery and its electrical accessories - connectors, flexible cables and extension cords - are correctly insulated and connected.
Work for maintaining and repairing insulating enclosures and ducts may not be carried out in a haphazard manner (Section VI, Art. 47 Decree 88-1056 of 14 November 1988).
- All repairs are to be carried out by specialists, or better yet, defective accessories should be replaced.
- Regularly check that the electrical connections are tight, with no heating.

Any fans placed in a circuit in which the air is laden with dust must be cleaned from time to time. That is because the turbine may be fouled and become unbalanced, leading to increased noise and premature wear and tear of bearings. Maintenance is required at least after every six months, depending on the type of dust treated.

The fan is an essential element of your extraction system.

Incorrect operating or inadequate maintenance could make the operating position less safe. That is why the fan must be maintained in perfect condition.

Your installation has been selected for a specific application. The turbine is characterised by an operating point based on extraction speed (speed of air in the piping) and head loss.

In accordance with the regulations of CARSAT and INRS, the system must be inspected from time to time to make sure that it continues to comply with its reference values.

PERSONAL PROTECTION

Risks of external injury relating to welding operations

Whole body

- The operator must be clothed and protected to suit the requirements of the job.
- Make sure that no part of the bodies of operators and helpers can come in contact with metal pieces or parts that are live or are liable to become live accidentally.
- Do not wind electricity cables around the body.
- Keep safety guards and panels in place.
- The operator must always wear personal insulating protection (Order of 14 December 1988, Section III).
- The protection must be kept dry to prevent electric shocks if it is wet, or ignition in the presence of oil.

Personal protective equipment worn by operators and their helpers - gloves, aprons, safety shoes - offer the added benefit of protecting them from burns due to hot parts, splatter and slag.
Make sure the PPE is in good condition and replace it before it ceases to offer protection.

Face and eyes

It is indispensable to protect the following:
- Eyes, from arc injury (dazzling due to visible light from the arc, and infrared and ultraviolet radiation).
- Hair, face and eyes from welding splatter and projection of slag during weld cooling

The welding mask, when used under or without a helmet, must always be equipped with a protective filter, the shade of which depends on the intensity of the welding arc current (Standards NF S77-104 A 88-221 A88-222).

The coloured filter may be protected from impacts and splatter by a transparent glass located on the front of the mask.

If the filter is replaced, use another one with the same part number (shade number).

Persons in the vicinity of the operator, especially any helpers, must be protected by means of suitable screens, anti-UV goggles or, if needed, masks with suitable protective filters (EN 139).

Specific case of chlorine solvents in welding: (used for cleaning or degreasing).

- The fumes from these solvents can be changed into toxic gases when subjected to arc radiation, including from a distance.
- Such solvents may therefore not be used in locations where electric arcs occur, if the solvents are not in a sealed enclosure.

Work in confined spaces

Examples:

- Mine roads
- Piping and pipelines
- Ship docks, pits, manholes, cellars
- Tanks
- Ballast tanks
- Silos
- Reactors

Special precautions must be taken before undertaking welding operations in such enclosures, where suffocating and poisoning and fire and explosion risks are very great.

A work permit procedure setting out all the safety measures must systematically be set up.

Make sure that ventilation is appropriate, paying special attention to:

- under-oxygenation
- over-oxygenation
- excess fuel gas

FILTRATION OF FUMES AND DUST

Important

Mechanical or electrostatic filtration systems are effective for the filtration of solid but not gaseous particles (exterior discharge).

If recycling is effective (not recommended), make sure the workplace where the machine or machines are placed is properly ventilated, so as to not reach the OELV (occupational exposure limit values) for the specific gaseous pollutants generated by the process (welding, cutting).

Field of use

Filtration of solid particles and dry dust, non-flammable gas, with no risk of explosion.

- Zinc, paper, flour, plant leaves, graphite, aluminium and other such dust is to be excluded, because electrostatic discharge or welding splatter would present a risk for those using the filter.
- The air flow through the filter medium must not be at a temperature above 80 °C.
- This machine is not designed for extracting chemicals.
- The choice of machine is made to suit the pollutants to treat. Extraction at source of the pollutant is only effective if the machine is operating at its nominal power (air flow at the nozzle).

Take particular care to:

- Not obstruct the air outlet of the machine.
- Not introduce external elements into the filter (paper, cloths, cigarette butts etc.)
- Replace the filter medium with new original **LINCOLN ELECTRIC** medium, which alone can guarantee the filtration characteristics.
- Replace the hoses if they are pierced.
- Regularly clean the metal pre-filter on those machines that have one.

C - OVERALL DESCRIPTION

For your safety and optimum performance, please read this manual carefully before using the filter.

AMSFM (self-cleaning down-draft tables for welding and grinding) tables are designed to catch and filter grinding dust and dry non-explosive welding fumes.

While welding, the filtered gas must be discharged outside the workshop. Discharge is via an outlet adapted at the rear of the table. An optional discharge silencer is also available.

The workpiece support table is mobile to allow the loading and unloading of workpieces.

Particles and fumes are extracted by the front extraction panel.

The table has two filtration stages:
- Metal pre-filtration
- Filter cartridges with PTFE membrane.

Part numbers

Three table sizes are marketed:

1200 x 800 self-cleaning down-draft table for welding and grinding	W000342106
2000 x 1000 self-cleaning down-draft table for welding and grinding	W000342107
3000 x 1000 self-cleaning down-draft table for welding and grinding	W000378190
Discharge silencer box for 1200 x 800 table	EM61000257
Discharge silencer box for 1200 x 800 table	EM61000258
Discharge silencer box for 1200 x 800 table	EM61000259

Benefits :
Compact and independent table.
Speedy installation and implementation.
Multipurpose; suitable for grinding and all welding processes.
Incorporated automatic unclogging filtration system.
Dust recovery container
Table supplied with electrical box and compressed air regulator filter.

Delivery :

The table is delivered on a pallet, ready to be connected to a duct system and the electrical system.

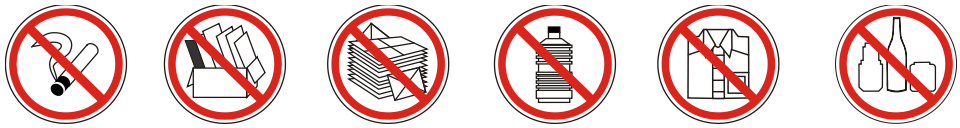
Safety alert

ATTENTION

Never introduce incandescent particles into the extraction duct.

Example :

- Cigarette butts
- Burning paper
- Incandescent milling particles
- Plasma or air arc gouging particles
- Or any other incandescent product
- List not comprehensive



D - TECHNICAL DESCRIPTION

COMPOSITION OF SELF-CLEANING DOWN-DRAFT TABLE

Composition and constitution of the table:

- Mobile table with 1200 x 800 mm, 2000 x 1000 mm or 3000 x 1000 mm work surface
- Mobile support table with recovery containers for heavy particles
- Working height 940 mm
- Galvanised steel grating on table surface
- Max load capacity of the table: 200 kg
- Front extraction panel, height 900 mm
- Hinged lateral panels
- Upper cover
- Metal pre-filters, class EU2 - Dimensions 1000 x 200 x 24 mm
- Filter cartridges, PTFE H13, 15 m² - Filtration class H13
- Filter saturation alarm
- Noise below 70 dB(A)

Table dimensions (mm)	Rate to use (m^3/hour)	Fan power (kW)	Metal pre-filter quantity	Filter cartridge quantity	Connection diameter (mm)	Overall dimensions (mm)
1200 x 800	4000	3	2	2	355	1220 x 1580
2000 x 1000	6000	2 x 2	2	4	400	2020 x 1780
3000 x 1000	8000	2 x 3	4	6	500	3020 x 1780

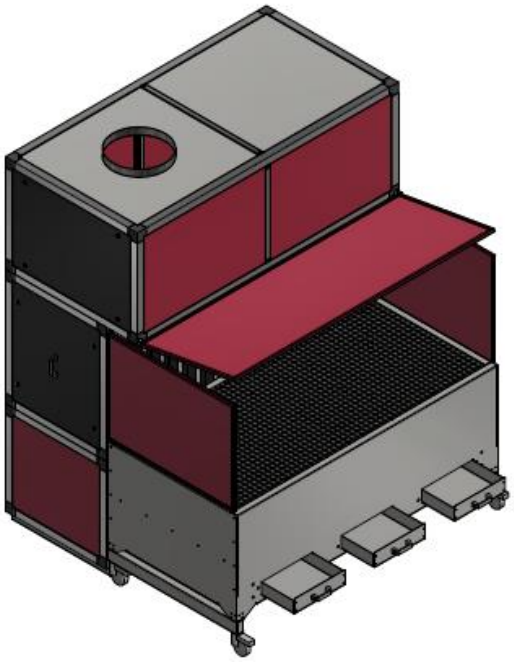
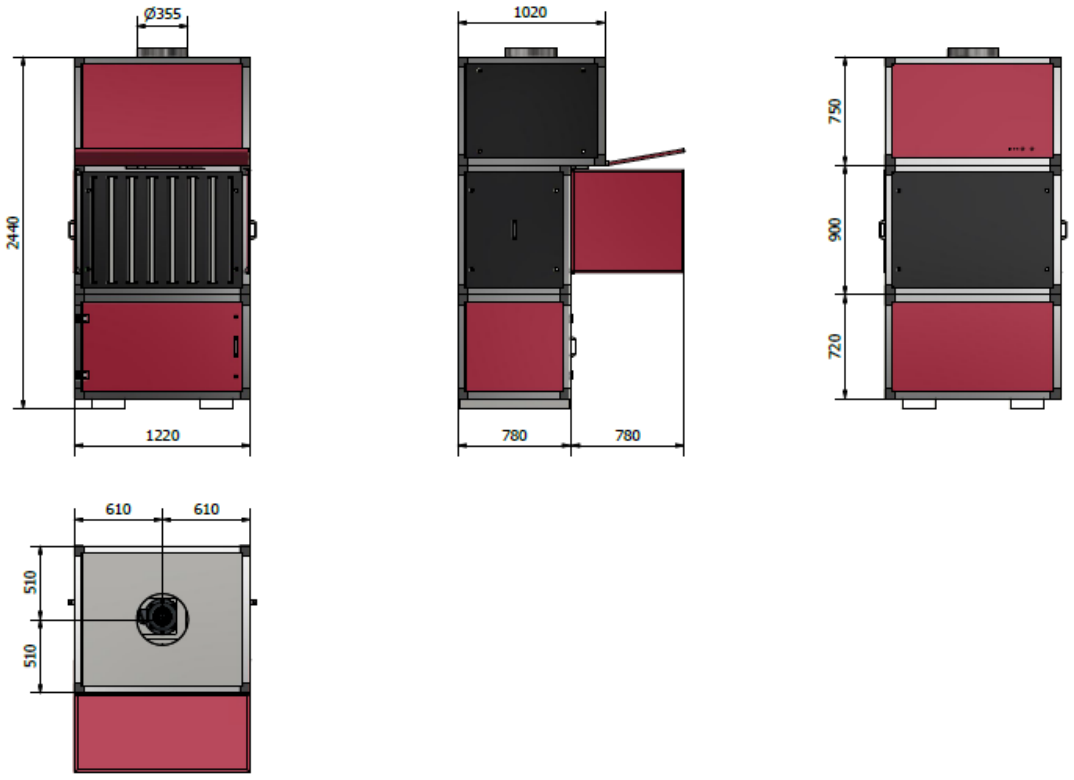
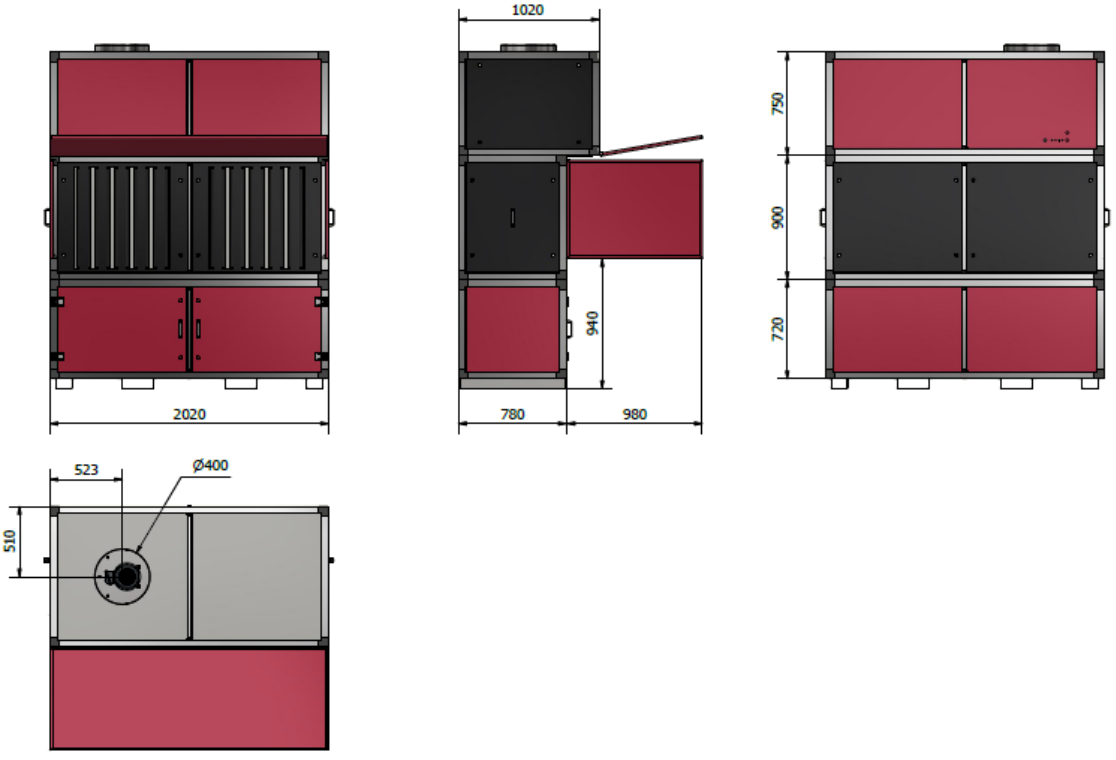


TABLE DIMENSIONS

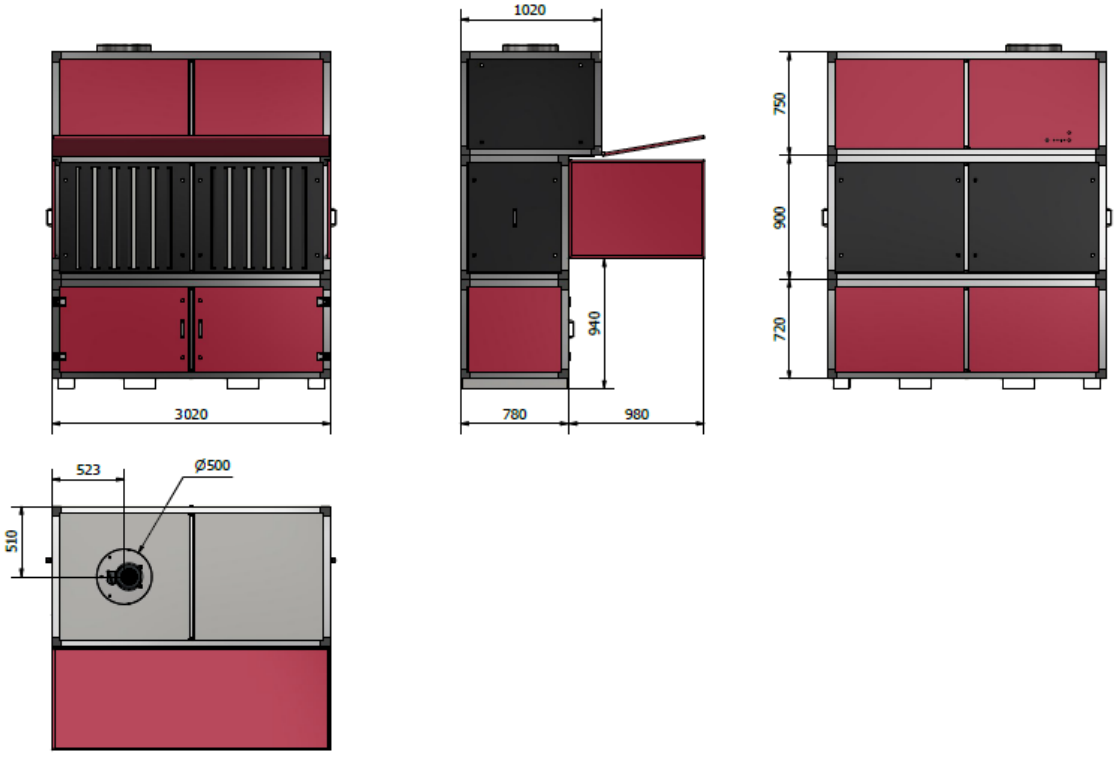
Down-draft table for welding and grinding - 1200 x 800 mm



Down-draft table for welding and grinding - 2000 x 1000 mm

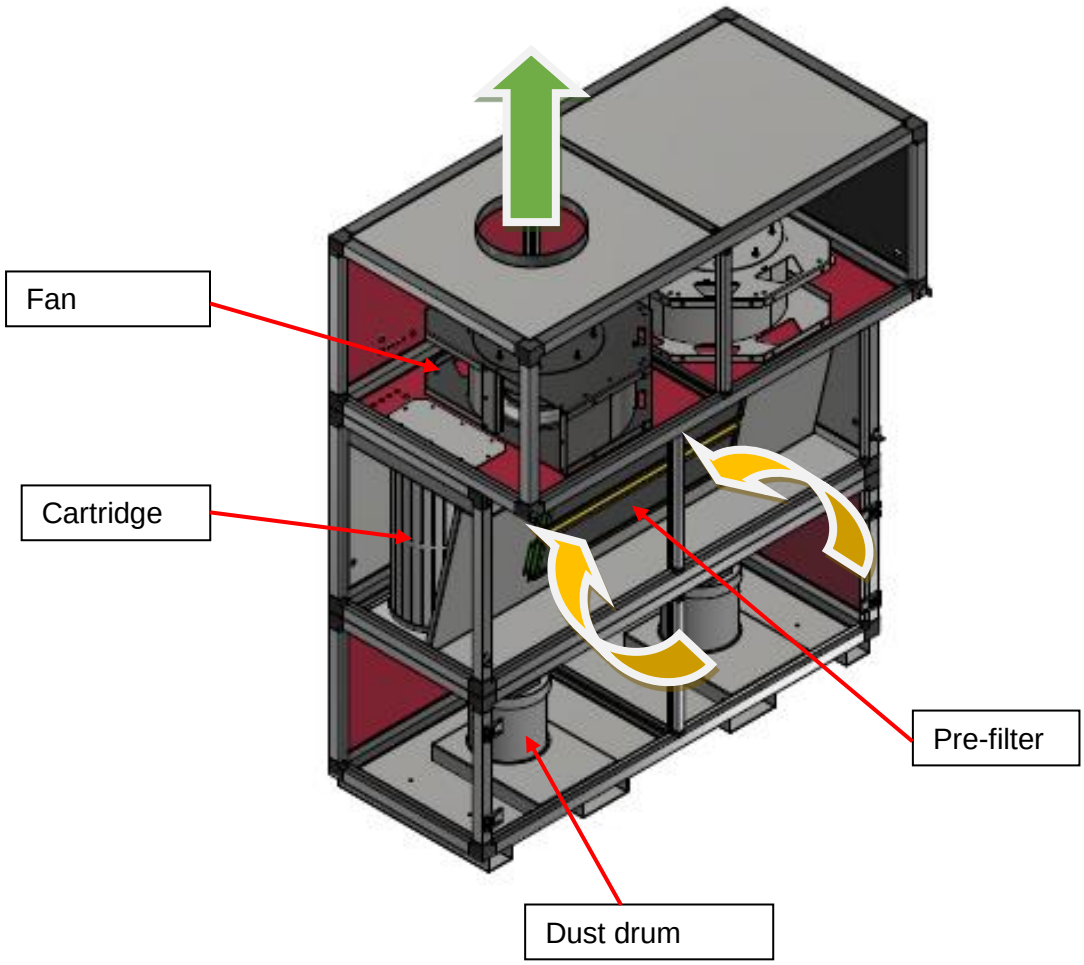


Down-draft table for welding and grinding - 3000 x 1000 mm



OPERATING PRINCIPLE

As shown in the drawing below, the air is taken in by the front extraction panel. Then it flows into the filtration compartment and through the pre-filter.
Heavier particles drop into the dust containers and finer particles are deposited in the filter cartridges. The cartridges are cleaned cyclically by forcing air through them.
The air is then discharged by the fan and extracted outside the building in which it is located, depending on the configuration of the customer's duct system.



- Mechanical filtration is thus carried out in two stages:
  - Integrated EU2 metal pre-filter
  - PTFE membrane filter cartridges, class H13.

PRS FAN

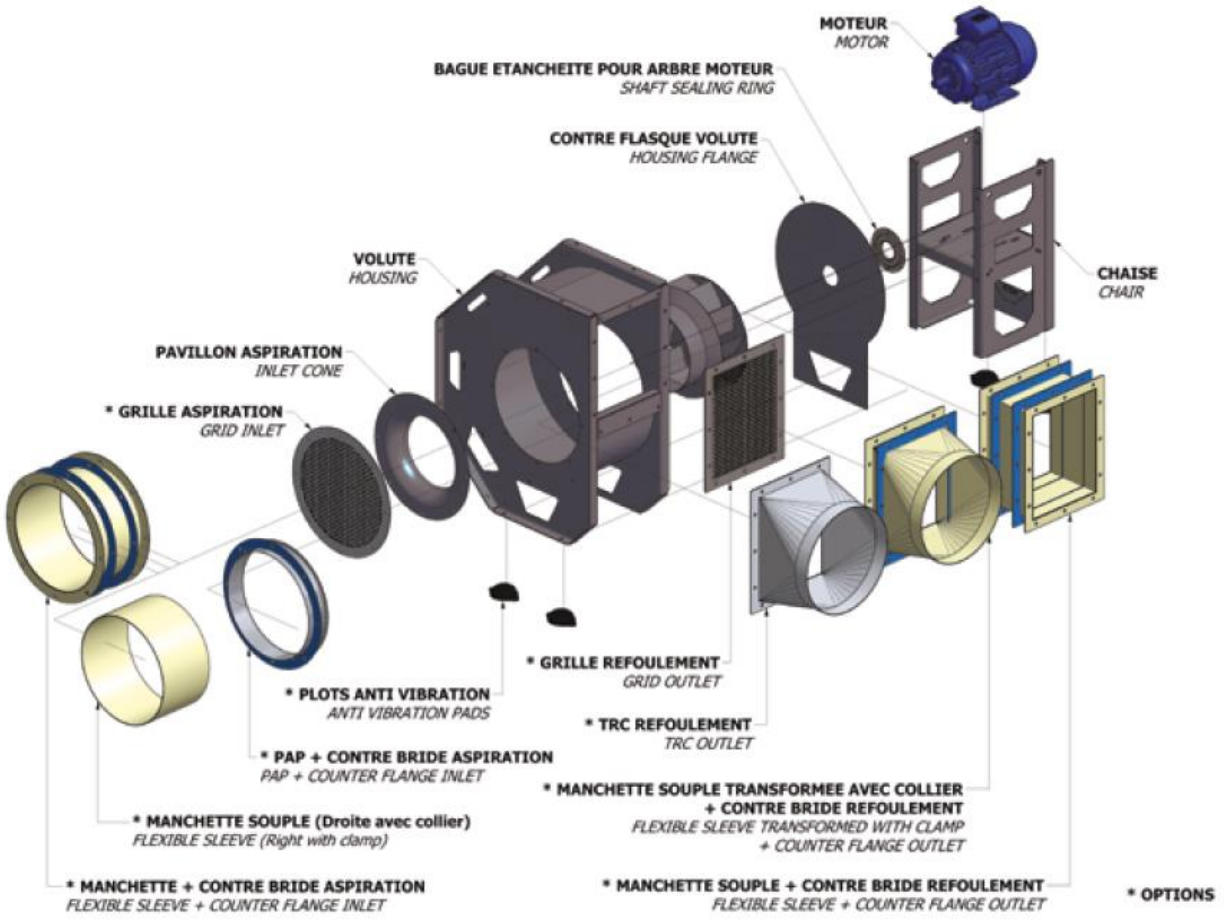
- **USE**
  PRS low-pressure centrifugal fans are designed to extract clean air or air with a low dust and fumes content.

- **SPECIFICATIONS OF STANDARD RANGE**
  - Class F MOTOR, IP55, 50Hz, B35, 400V three phase
  - Forward curved type IMPELLER in painted steel
  - Painted steel HOUSING

- **AMBIENT TEMPERATURE**
  Temperature between -20°C and +40°C (unless otherwise indicated on the motor identification plate)

- **TEMPERATURE OF TRANSPORTED FLUID**
  Temperature between -20°C and +80°C max. depending on surface pressure and temperature (see marking)

Exploded view



E - INSTALLING THE DOWN-DRAFT TABLE

ASSEMBLY

Move the table with a lift truck to its location, then remove the packaging and transport protection material.

Connect the table to the Ø 355, 400 or 500 mm air extraction duct leading outside or to a connected duct system.

The recommendations and standards applicable in France make it mandatory for the filtered discharge from the down-draft table to be released outside the building in which it is installed

Electricity power must be provided nearby.

PUTTING INTO SERVICE

In order to guarantee easy and complete starting up, here is the order of the different key stages involved :

1/ Power supply connection.

2/ Sequencer setup

3/ Use of the different functions of the electrical cabinet

Mains connection

- Power supply – 400V. – 50 Hz – 3ph.
- Compressed air supply: 4.5 bar max.

All the operations relating to the installation, such as those for assembly, installation, putting into service and maintenance, are to be carried out by qualified personnel under the control of a responsible technician.

The power supply is to be connected to the terminals of the main disconnector on the side of the cabinet installed on the filter.
This equipment must be connected to the distribution system using the original cable.

The primary power supply must have:

- A device for protecting personnel from indirect hazards:
- A 30 mA residual-current circuit-breaker to isolate the machine after it is halted.
- A connector with the earth terminal (compulsory).

Before you make the electrical connections, check that no component has been damaged during transport.

➢ **IMPORTANT :**

Before connecting the power, make sure that the machine is out of service (switch set to 0)..

SEQUENCER ADJUSTMENT PROCEDURE

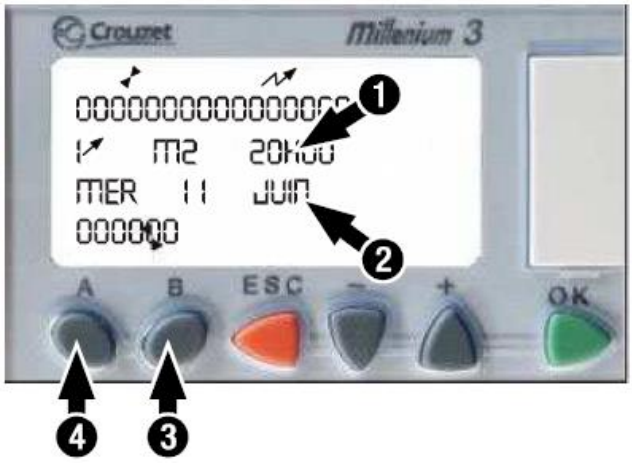
Adjustment of parameters

Keys

A + B	Access to the different screens
A	Screen scrolling
B	Edit
+/-	Edit values
OK	Confirm new values

Screen 1: Main presentation

❶	Hour
❷	Date
❸	Key **B**
❹	Key **A**



- Screen visible during operation, showing the time and day.
- Press **A+B** to access the different screens.

Screen 2: Explanations

- The screen explains how the settings are to be made.
- After 6 seconds, a third screen is displayed.

Screen 3: Choice of number of solenoid valves

❶	Input value

1. Press **B** to switch to edit mode.
2. Then press **A** to confirm. Move on to the next screen.

NB: The number of solenoid valves is defined in relation to the number of cartridges in your system

Screen 4: Unclogging selection
WITH/WITHOUT pressure switch

With pressure switch: means that Online unclogging is automatic, that is to say that unclogging will run till the initial vacuum threshold is crossed.

Without pressure switch: means that the Online unclogging time depends on the number of cycles defined in a subsequent screen.

1. Press **B** to edit (with or without)
2. Confirm with **A** and change screens at the same time

Screen 5: Selection of solenoid valve opening time in mode without pressure switch

Unit: 1 press = 0.1 second.

1. Press **OK** to enter edit mode (the number will flash)
2. Edit the value with **-** or **+**.
3. Confirm with **OK**.
4. Press **A** to move on to the next screen.

   Factory value: 30

Screen 6: Selection of time between two solenoid valve openings in mode without pressure switch

Unit: 1 press = 0.1 second.

1. Press **OK** to enter edit mode (the number will flash)
2. Edit the value with **-** or **+**.
3. Confirm with **OK**.
4. Press **A** to move on to the next screen.

   Factory value: 100

Screen 7: Selection of number of cycles (only without pressure switch)

NB: The value indicated here is not the number of cycles in itself, but the number of presses, which depends on the number of solenoid valves and cycles required. Refer to the press table to find out which value is to be indicated.

1. Press **OK** to enter edit mode (the number will flash)
2. Edit the value with **-** or **+**.
3. Confirm with **OK**.
4. Press **A** to move on to the next screen.

Screen 8: Selection of solenoid valve opening time in mode with pressure switch

Unit: 1 press = 0.1 second.

1. Press **OK** to enter edit mode (the number will flash)
2. Edit the value with **-** or **+**.
3. Confirm with **OK**.
4. Press **A** to move on to the next screen.

Factory value: 30

Screen 9: Selection of time between two solenoid valve openings in mode with pressure switch

Unit: 1 press = 0.1 second.

1. Press **OK** to enter edit mode (the number will flash)
2. Edit the value with **-** or **+**.
3. Confirm with **OK**.
4. Press **A** to move on to the next screen.

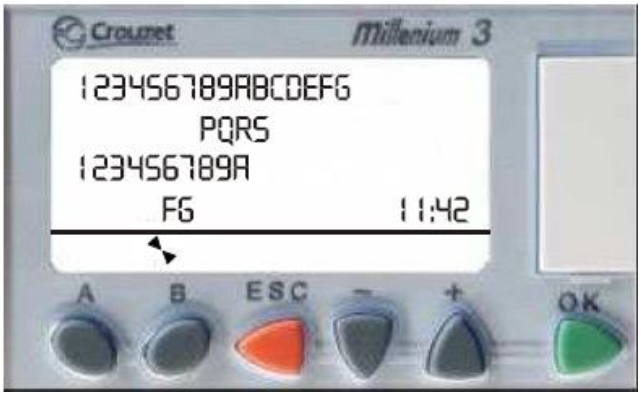
Factory value: 150

Press table

	Number of cycles								
Number of solenoid valves	1	2	3	4	5	6	7	8	9
4	4	8	12	16	20	24	28	32	36
6	6	12	18	24	30	36	42	48	54
8	8	16	24	32	40	48	56	64	72

Operating delay adjustment

Display of inputs/outputs



Line 1: Inputs
Line 2: Outputs

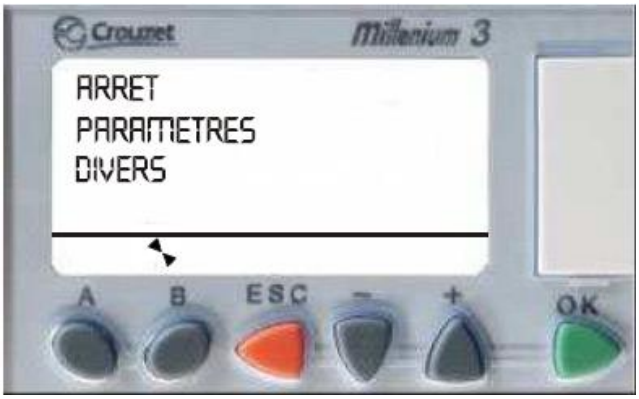
On this screen, you can see the operating time inputs/outputs.

To do so, just hold the **ESC** key pressed in.

When an input or output is active, it goes white on a black background.

To confirm, press **OK**; the following screen will be displayed.

Operating delay adjustment



Go to the Settings line and to confirm, press **OK**.
The following screen is displayed.

Go to the **MACHINE DELAY** line.

To switch to edit mode, press **OK**.

The line switches to video mode.

To edit the values, use keys **-** or **+**.

Select the the larger pause time between the WITH and WITHOUT pressure switch mode and add 1 to 2 seconds.

For example:

- Pause time without pressure switch: 10 sec, so the setting is 100.
- Pause time with pressure switch: 15 sec, so the setting is 150.
- Operating delay: 16 sec, so the setting is 160

Confirm with **OK** and then press the **ESC** key twice to go back to screen 1.

ELECTRICAL CABINET

Starting up

Set the main switch (on the side of main electrical box) to ❶.
☛ The electrical is powered)

Press the green pushbutton ❷ for putting into service
☛ The fan starts

Press the red pushbutton ❸.
☛ The fan stops and the Offline unclogging cycle starts up

Important: Take care to stop the fan using the switch; if you turn the ❶ disconnector, the Offline unclogging cycle will be disabled.

Shutting off the main power supply

The filter is stopped by means of the Cabinet shutdown switch ❶. (The power is switched off), and the unclogging cycle will not be taken into account. Press this button only after the end of Offline unclogging.

Unclogging test (to run when the fan is stopped)

Set the Unclogging test switch ❹ to 1; the unclogging test will start. You can interrupt it by setting it back to 0.

Use this test before emptying the dust containers or to check the working of the system.

F - MAINTENANCE

Please read the manually carefully before you start any servicing work. Maintenance operations may only be carried out by specialised and qualified individuals. Behaviour that does not comply with the safety instructions provided could lead to major hazards for personnel and damage to property and/or the surroundings.

All routine and/or exceptional maintenance must be carried out with the machine disconnected from the supply system.

Advice for machine users: maintenance is to be carried out as described in the manual.

1. Electrical risks
2. Cutting and abrasion risks in filter area.

Mind the maintenance of the electrical cabinet. Hazards are indicated by a plate saying “HAZARDOUS VOLTAGE”.

In order to ensure the proper working of the machine, defective spare parts must be replaced with original spare parts from **LINCOLN ELECTRIC**.

Before starting up the machine, make sure that the replaced parts are perfectly installed and that the tools used are removed from the machine.

Make sure that each safety device is in good condition and legible.

MAINTENANCE OF MECHANICAL PARTS

The machine requires negligible mechanical maintenance if it is used correctly in accordance with its technical characteristics.

Before any type of maintenance that is not clearly defined in these instructions, please make inquiries with the technical department of **LINCOLN ELECTRIC**.

The performance of operations that may not be carried out or are contrary to the standards and procedures described in the manual would release **LINCOLN ELECTRIC** from liability for any damage caused and would void the guarantee if it is still valid.

FILTER MAINTENANCE

For filter maintenance, always use protective goggles and a respiratory mask in order to prevent all risks of contact with or inhalation of the particles collected. The power supply must always be switched off using the disconnector or via the fuses. If the filter has a power connector, it must be separated from its socket on the wall.

Pre-filter cleaning frequency

Maintenance depends on use.
We recommend inspecting the pre-filters after every two weeks at the start, while you determine the actual maintenance frequency.

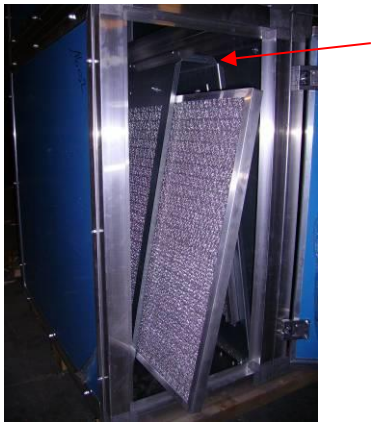
Then you need to inspect:
- the pre-filter and the fine filter, every month,

The pre-filter must be cleaned every month.

PRINCIPLE :

To access the filter elements, open the door provided.

Cleaning the mechanical pre-filter?



Open the right-hand door under the table top
- Use FILTER FILTERCLEAN cleaner, part no W000261362.
- Dilute FILTER FILTERCLEAN cleaner in water Part no W000261362. (15 or 20%)
- Leave for about 10 minutes.
- Clean with clean water, dry.

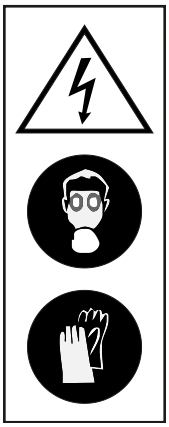
In no event may the machine be used without a pre-filter or with a pre-filter that is not the same as the original from LINCOLN ELECTRIC.

FILTER CARTRIDGES

Filter cartridge replacement :

You need to replace the filter cartridges every year.
Do not clean the cartridges manually (blowing compressed air) as there is a risk of destroying the medium

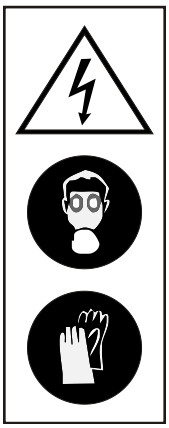
The use of protective goggles and a respiratory mask is indispensable in order to prevent all risks of contact with or inhalation of the particles collected. The power supply must always be switched off using the disconnector or via the fuses. If the filter has a power connector, it must be separated from its socket on the wall.



1. Open the filter compartment.
2. Unscrew the mechanical protections that hold the cartridges.
3. Place a plastic bag around the cartridges and remove them.
4. Put the clogged filters into the packaging of the new filters.
5. Install the new cartridges, screw back the mechanical protections and close the door.
6. Apply the starting up procedure.

DUST DRUM

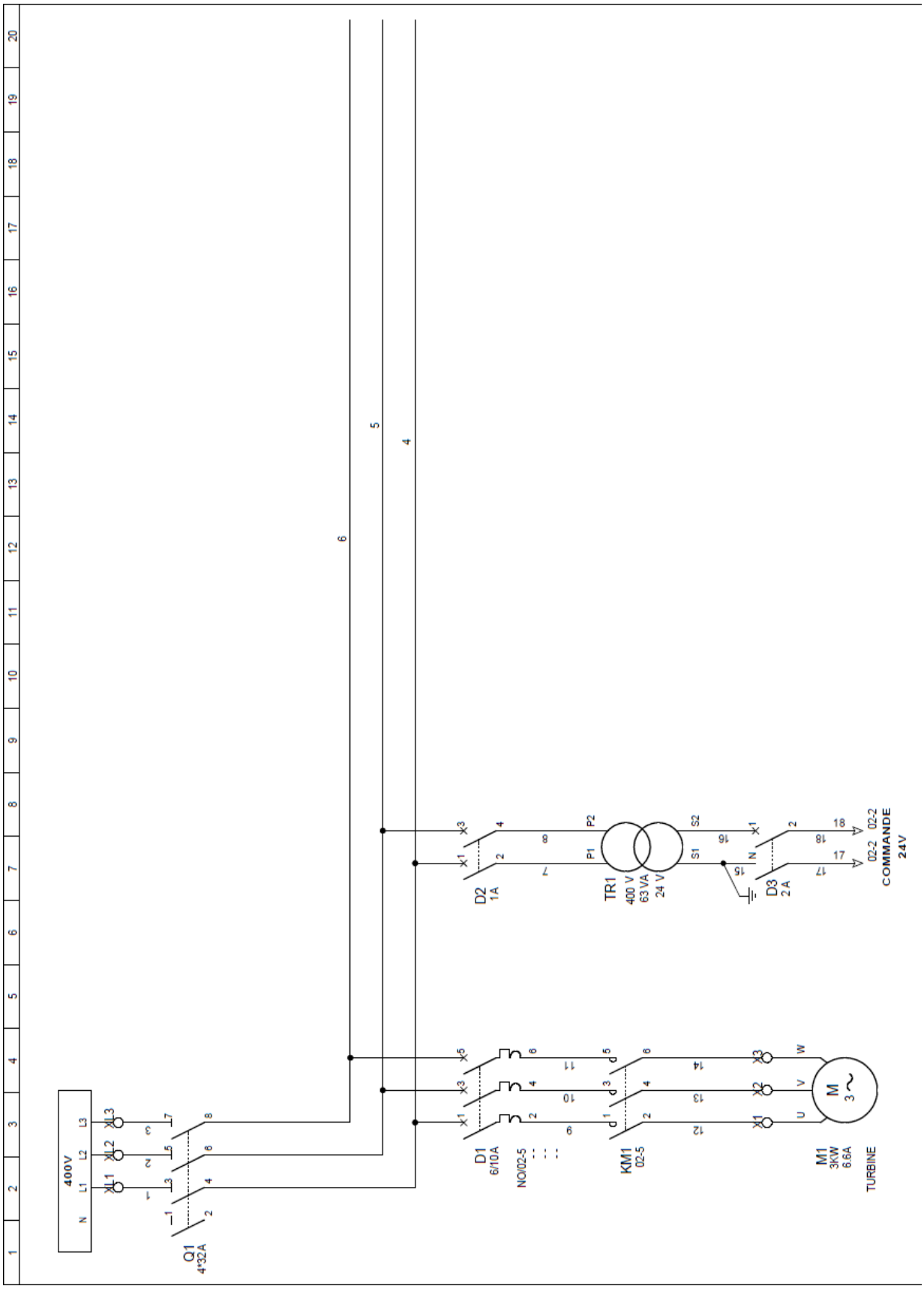
To empty the drum(s), use protective goggles and a respiratory mask in order to prevent any risk of contact with or inhalation of the particles collected. The power supply must always be switched off using the disconnector or via the fuses.

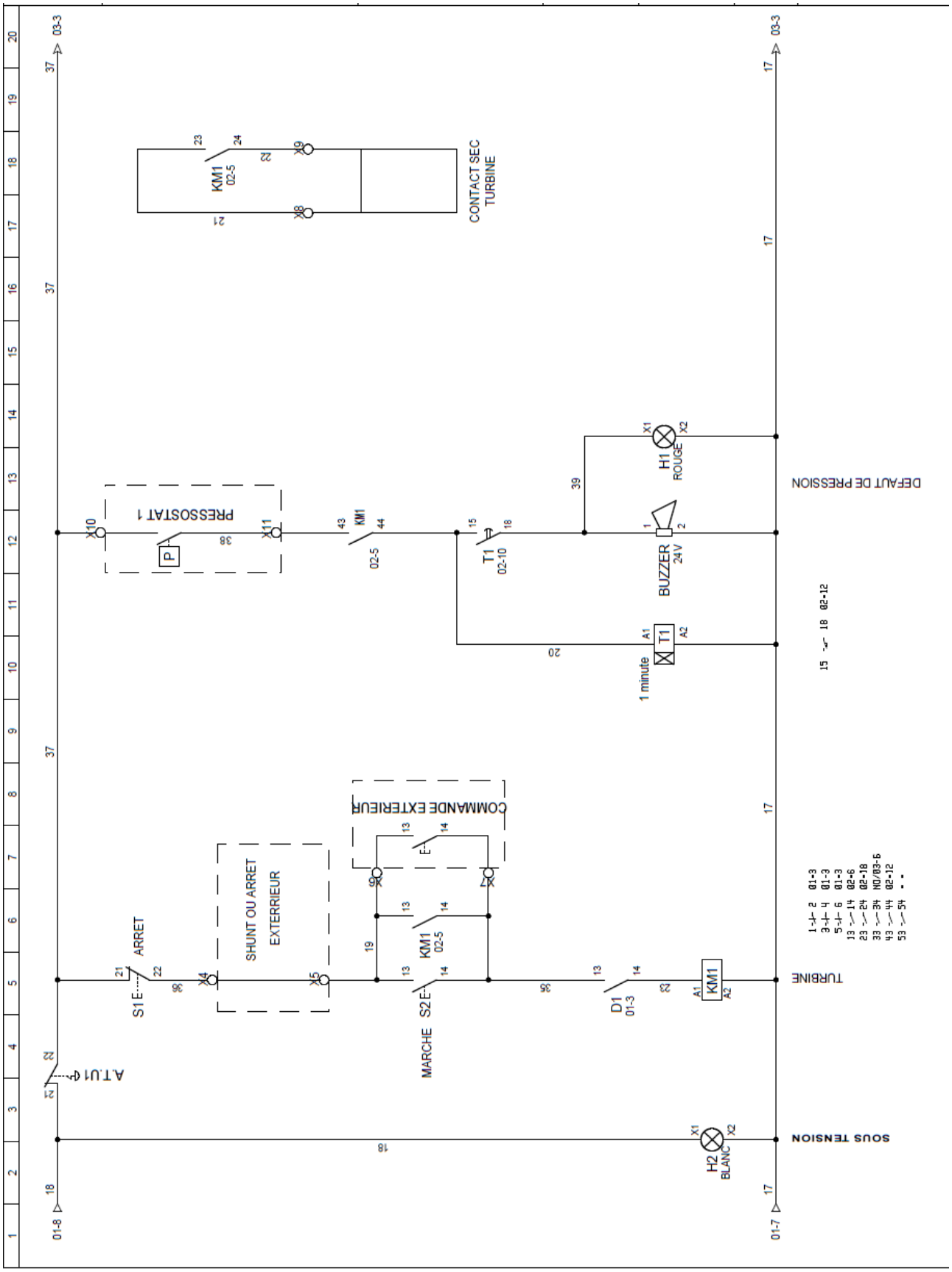


1. The drums must be emptied regularly.
2. Switch off the power supply to the fan.
3. Take off the end of the bag and close it (Mind it is not full).
4. Remove the drum(s)
5. Replace the bag inside, put the drum(s) in place and put the fan back into operation.

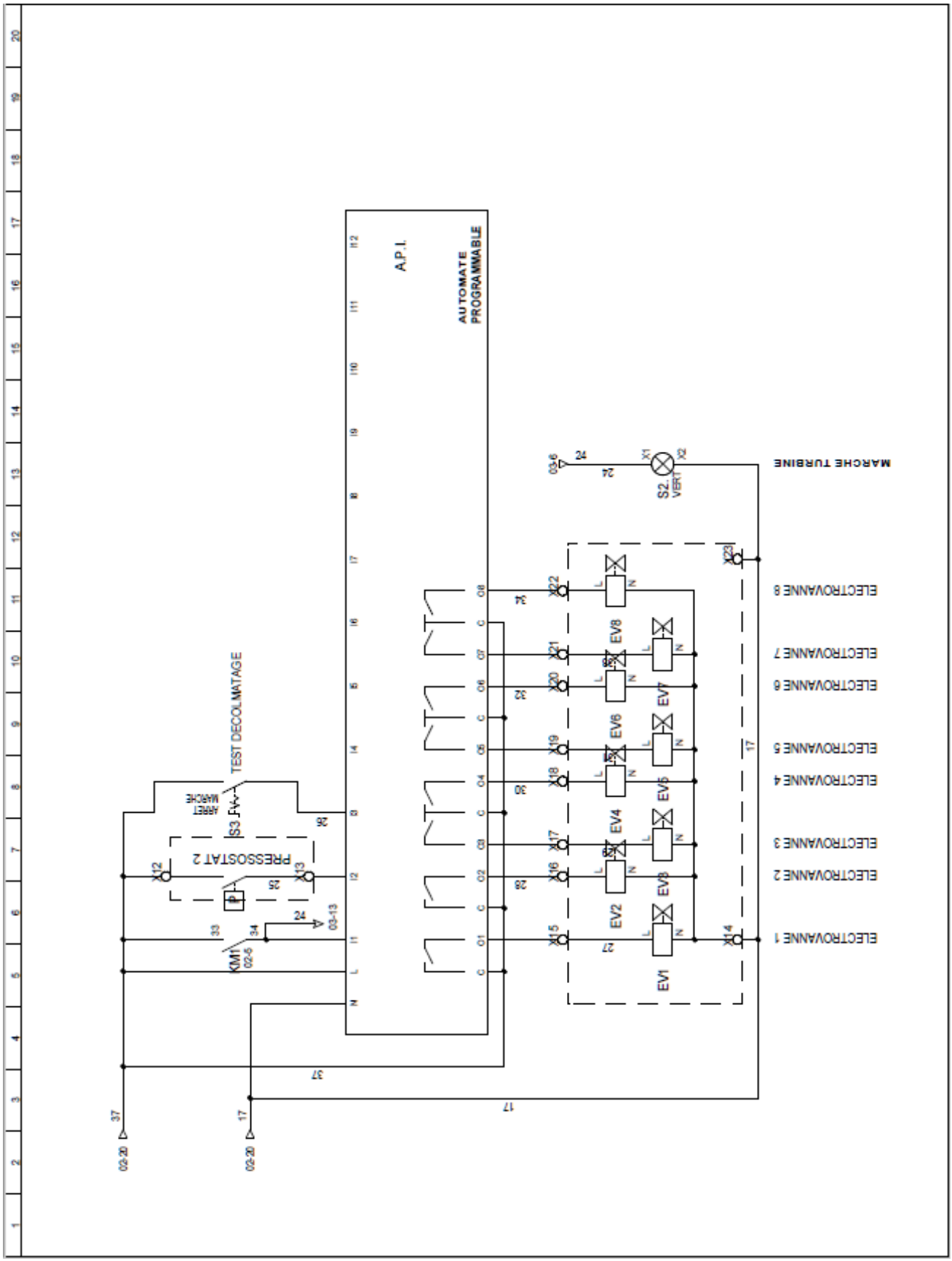
ELECTRICAL DIAGRAMS

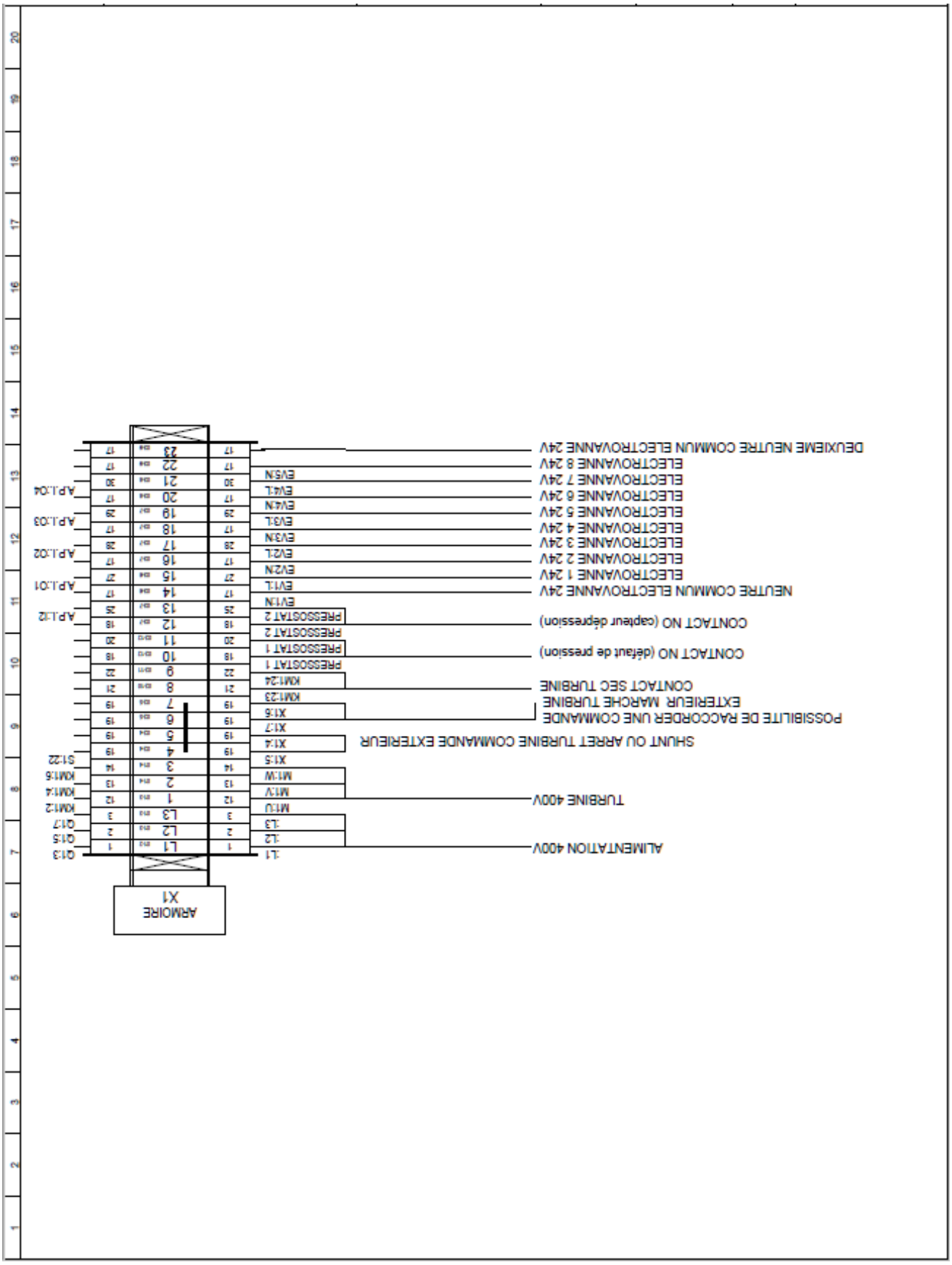
1200 x 800 down-draft table

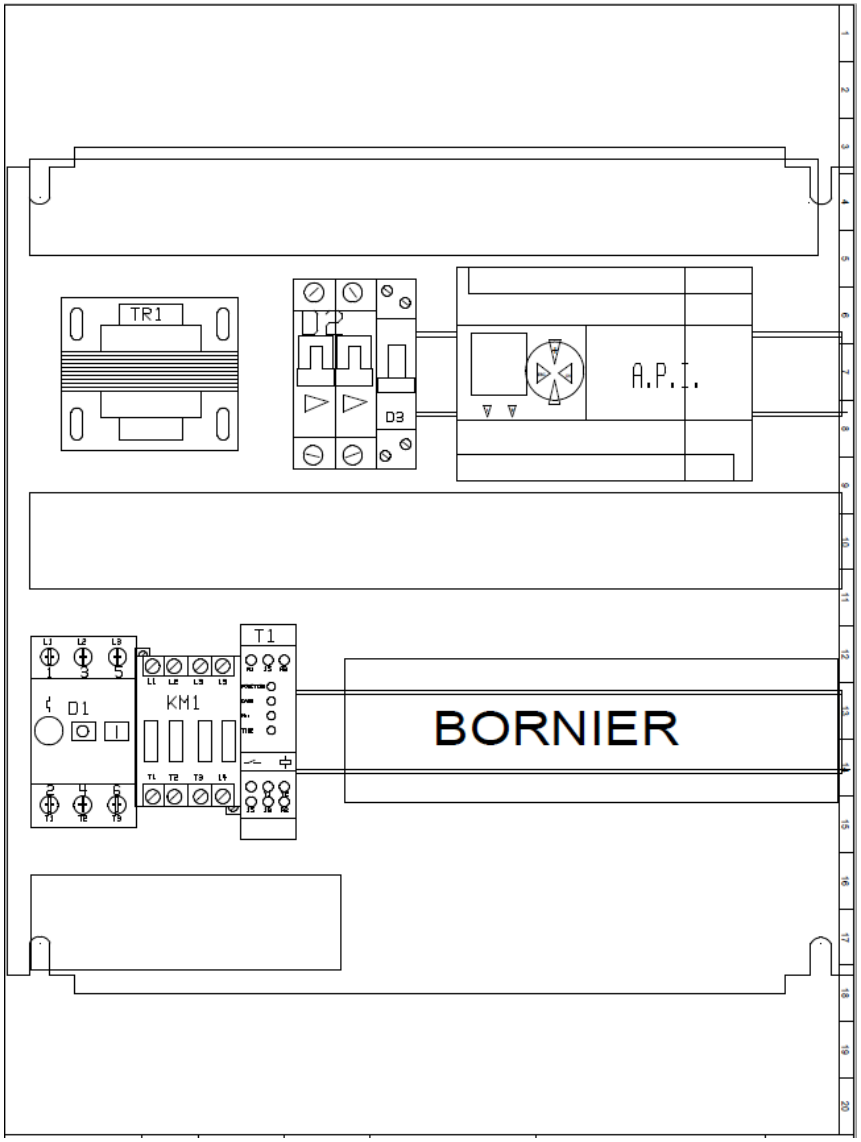




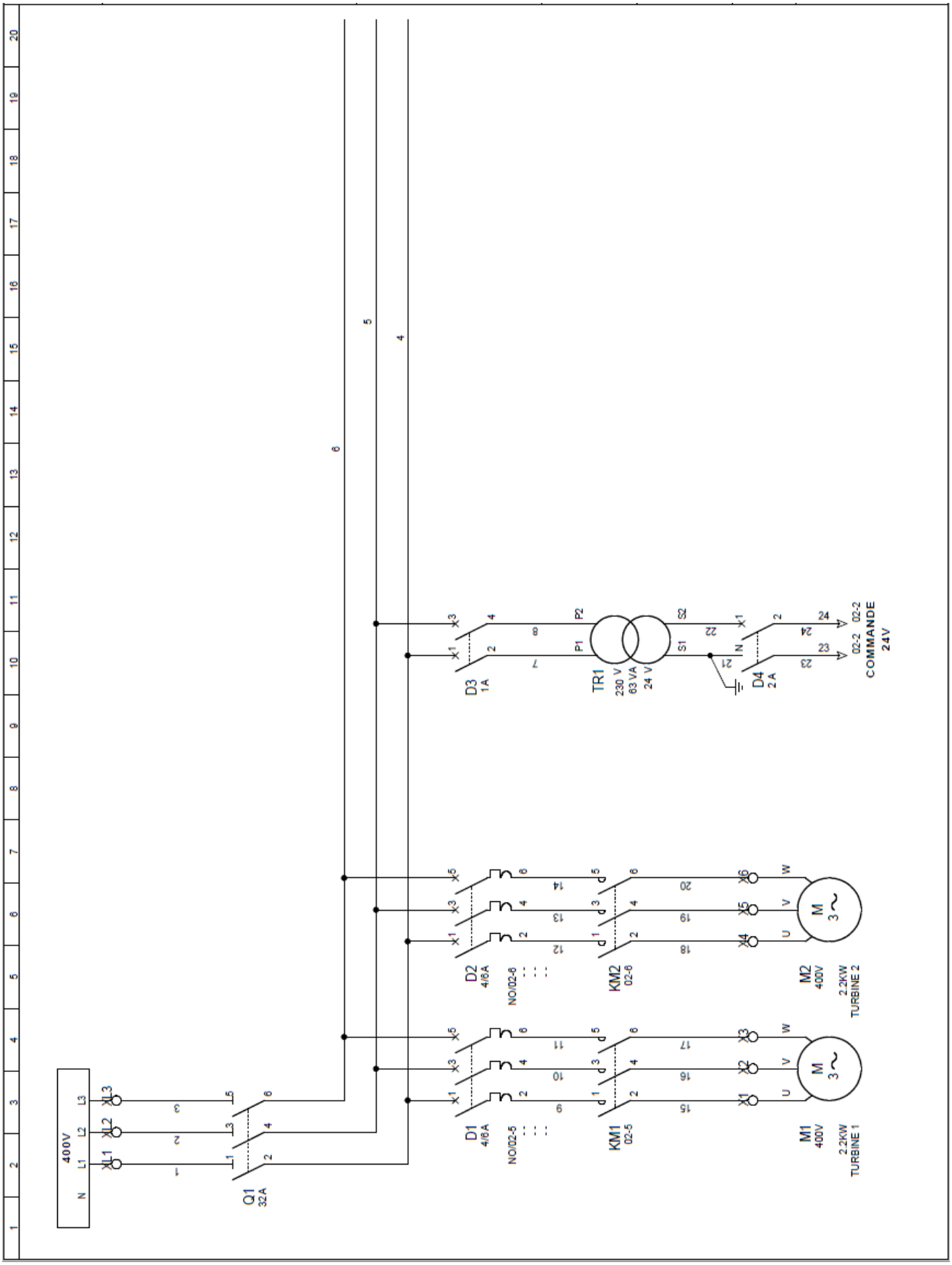
LINCOLN ELECTRIC

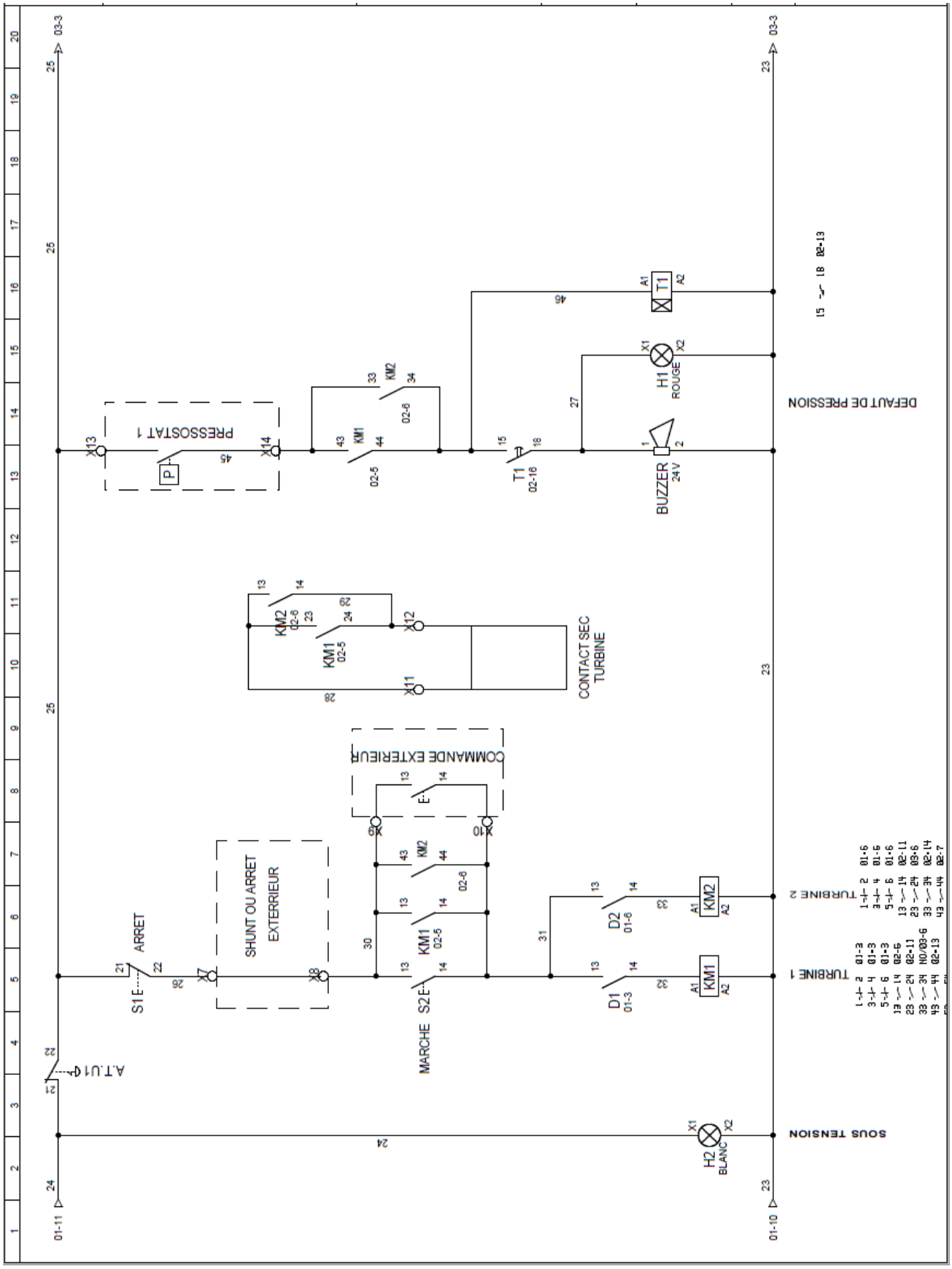

A.P.I.
AUTOMATE PROGRAMMABLE
MARCHE TURBINE
S2
VERT
ELECTROVANNE 8
ELECTROVANNE 7
ELECTROVANNE 6
ELECTROVANNE 5
ELECTROVANNE 4
ELECTROVANNE 3
ELECTROVANNE 2
ELECTROVANNE 1
EV1
EV2
EV3
EV4
EV5
EV6
EV7
EV8
TEST DECOLMATAGE
ARRET MARCHE
S3
PRESSOSTAT 2
KM1
02-5
03-13
03-6
02.20
02.20

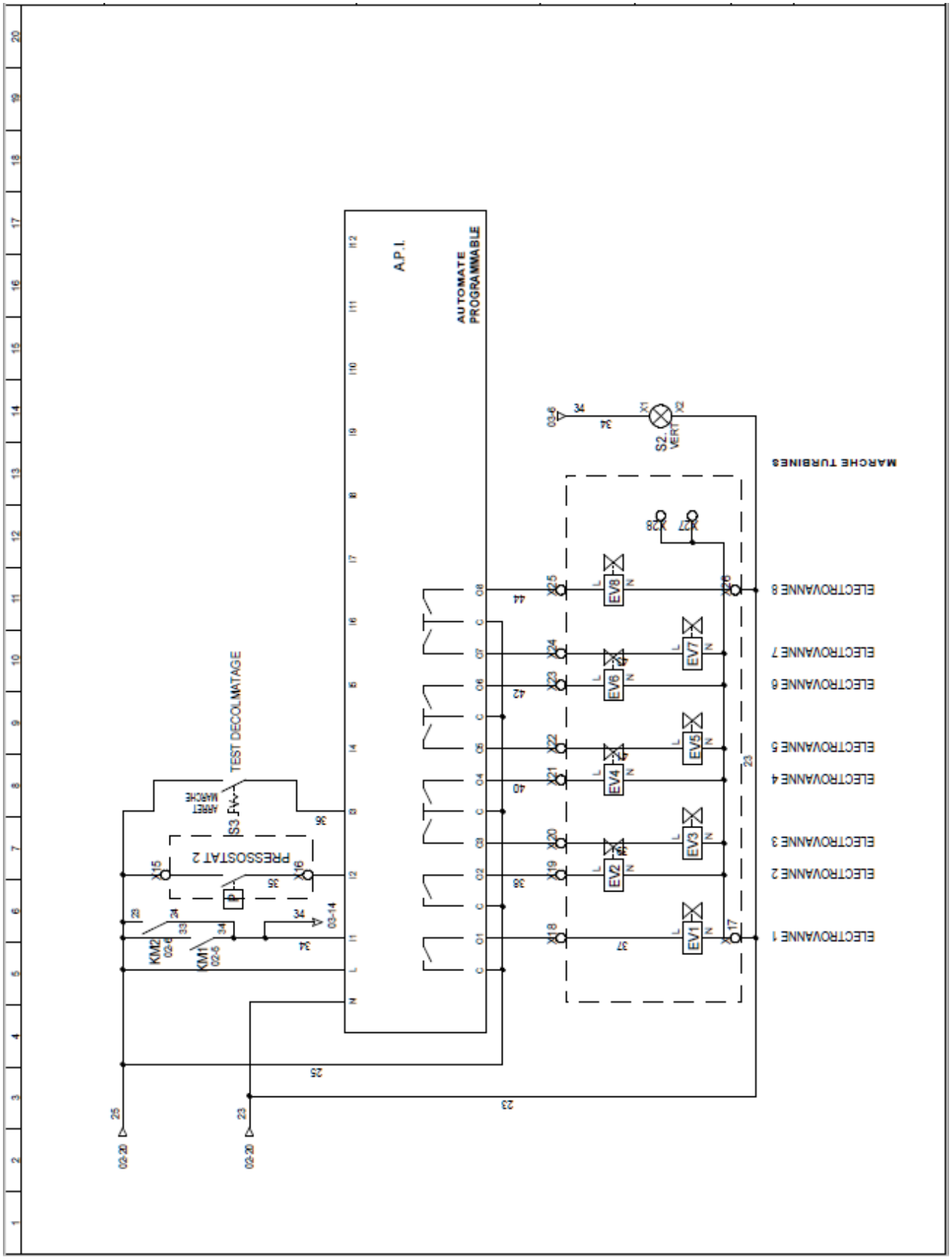

ARMOIRE
X1
ALIMENTATION 400V
TURBINE 400V
SHUNT OU ARRET TURBINE COMMANDE EXTERIEUR
POSSIBILITE DE RACCORDER UNE COMMANDE EXTERIEUR MARCHE TURBINE
CONTACT SEC TURBINE
CONTACT NO (défaut de pression)
CONTACT NO (capteur dépression)
NEUTRE COMMUN ELECTROVANNE 24V
ELECTROVANNE 1 24V
ELECTROVANNE 2 24V
ELECTROVANNE 3 24V
ELECTROVANNE 4 24V
ELECTROVANNE 5 24V
ELECTROVANNE 6 24V
ELECTROVANNE 7 24V
ELECTROVANNE 8 24V
DEUXIEME NEUTRE COMMUN ELECTROVANNE 24V

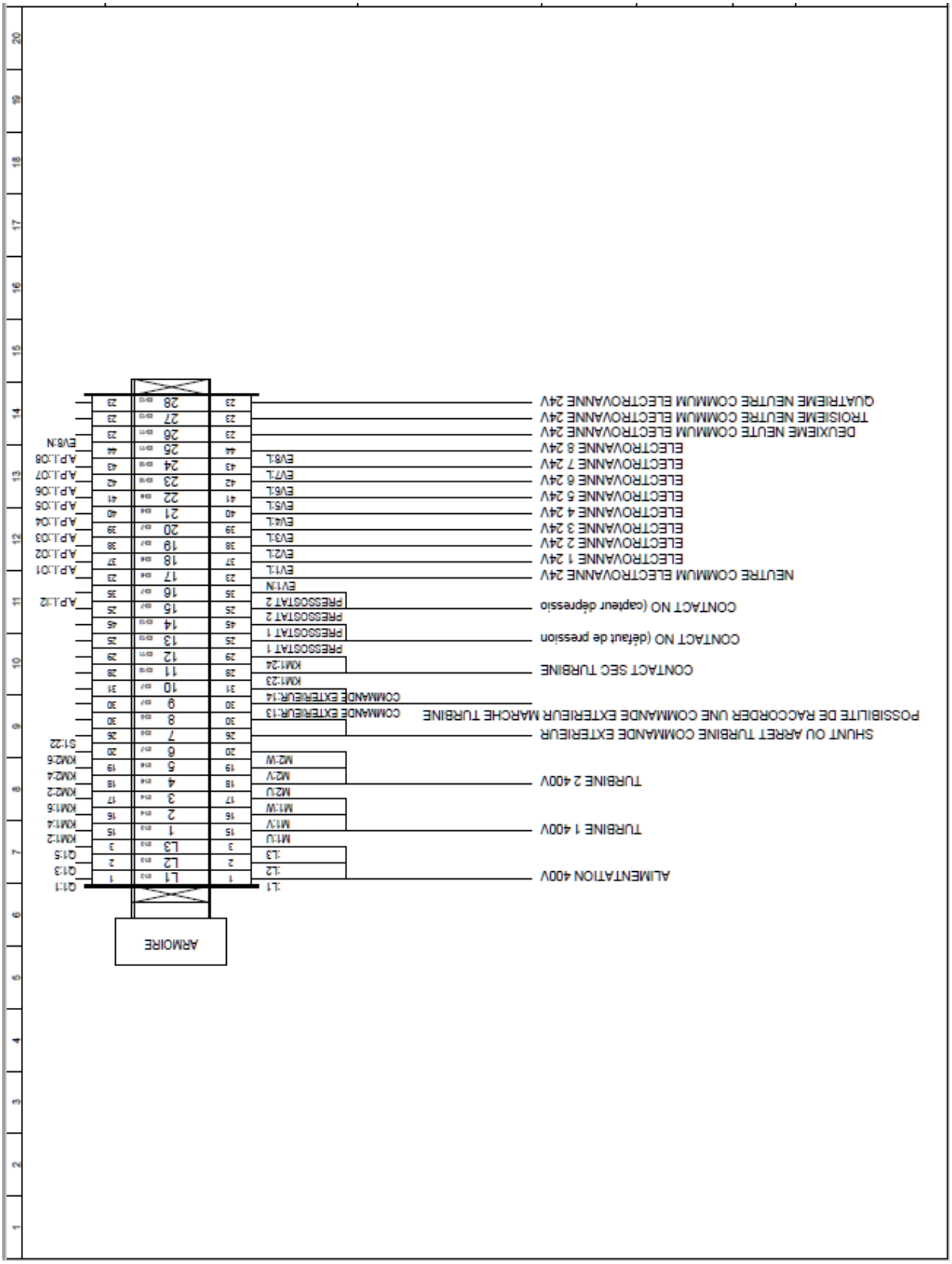

TR1
D2
D3
A.P.I.
T1
D1
KM1
BORNIER

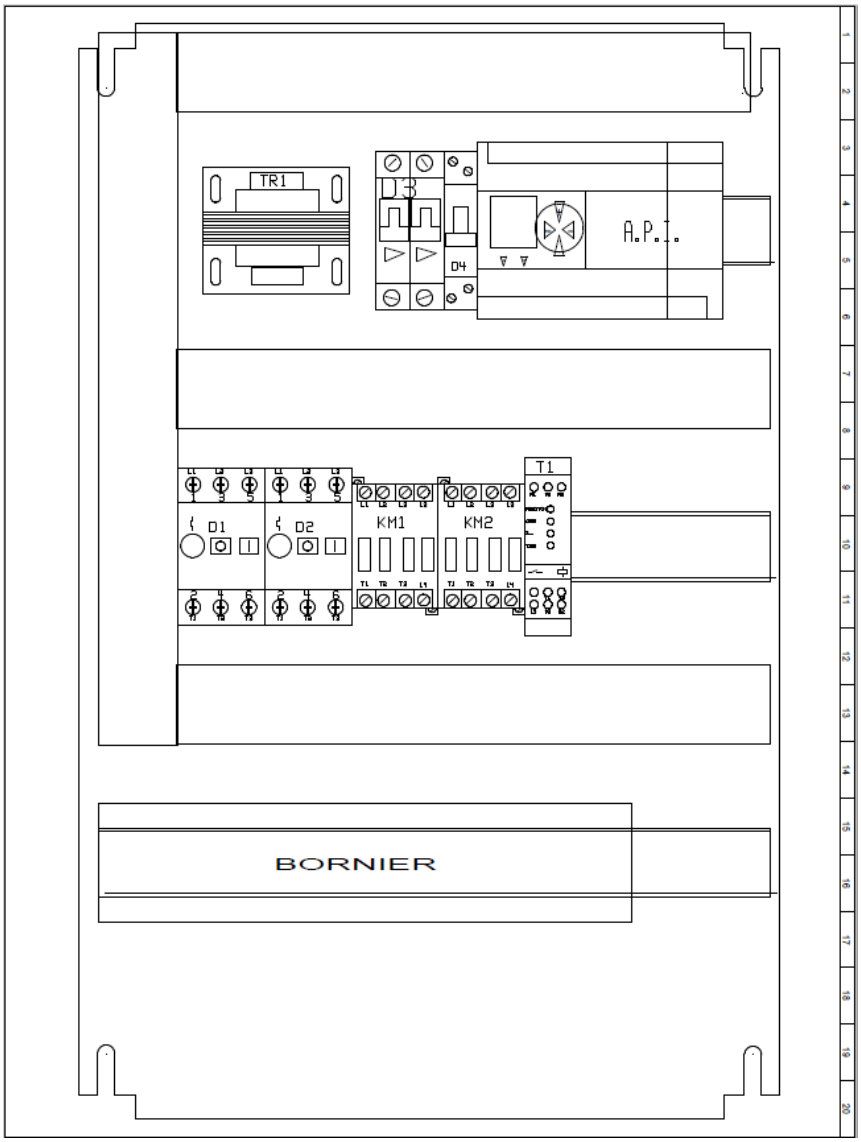
2000 x 1000 and 3000 x 1000 down-draft tables




PRESSOSTAT 1
BUZZER
24V
T1
02-16
KM1
02-5
KM2
02-6
H1
ROUGE
DEFAUT DE PRESSION
CONTACT SEC
TURBINE
COMMANDE EXTERIEUR
SHUNT OU ARRET
EXTERRIEUR
ARRET
MARCHE
S1
S2
D1
01-3
D2
01-6
TURBINE 1
TURBINE 2
H2
BLANC
SOUS TENSION
A.T.U1
01-11
01-10


AUTOMATE PROGRAMMABLE
A.P.I.
MARCHE TURBINES
S2 VERT
TEST DECOLMATAGE
S3
ARRET MARCHE
PRESSOSTAT 2
KM2
KM1
EV1
EV2
EV3
EV4
EV5
EV6
EV7
EV8
ELECTROVANNE 1
ELECTROVANNE 2
ELECTROVANNE 3
ELECTROVANNE 4
ELECTROVANNE 5
ELECTROVANNE 6
ELECTROVANNE 7
ELECTROVANNE 8


ARMOIRE
ALIMENTATION 400V
TURBINE 1 400V
TURBINE 2 400V
SHUNT OU ARRET TURBINE COMMANDE EXTERIEUR
POSSIBILITE DE RACCORDER UNE COMMANDE EXTERIEUR MARCHE TURBINE
CONTACT SEC TURBINE
CONTACT NO (défaut de pression
CONTACT NO (capteur dépressio
NEUTRE COMMUM ELECTROVANNE 24V
ELECTROVANNE 1 24V
ELECTROVANNE 2 24V
ELECTROVANNE 3 24V
ELECTROVANNE 4 24V
ELECTROVANNE 5 24V
ELECTROVANNE 6 24V
ELECTROVANNE 7 24V
ELECTROVANNE 8 24V
DEUXIEME NEUTE COMMUM ELECTROVANNE 24V
TROISIEME NEUTRE COMMUM ELECTROVANNE 24V
QUATRIEME NEUTRE COMMUM ELECTROVANNE 24V


TR1
D3
D4
A.P.I.
T1
D1
D2
KM1
KM2
BORNIER

COMPOSITION OF THE ELECTRICAL CABINET

1200 x 800 down-draft table

Description	Reference	Characteristics	Part no LINCOLN ELECTRIC
Emergency stop	AT U1	Schneider	Please enquire
Two-pole circuit breaker, 1A	D2	Schneider	Please enquire
Circuit breaker, PH+N, 2A	D3	Schneider	Please enquire
Motor circuit breaker, 6.3/10A	D1	Schneider	Please enquire
Front circuit breaker auxiliary contact	D1	Schneider	Please enquire
Buzzer on panel	Buzzer	Kingstate	Please enquire
Green indicator	S2	Schneider	Please enquire
Red indicator	H1	Schneider	Please enquire
White indicator	H2	Schneider	Please enquire
Contactor, LC1D09B7 24V	KM1	Schneider	Please enquire
Disconnector switch, 32A	Q1	ABB ref OT 32	Please enquire
Transparent red pushbutton	S1	Schneider	Please enquire
Transparent green pushbutton	S2	Schneider	Please enquire
Rotating head with 2 fixed positions	S3	Schneider	Please enquire
Multi-voltage timer	T1	Schneider ref RAMU	Please enquire
Transformer, 63VA 400-230/24V	TR1	Schneider ref TR 63 VA	Please enquire

2000 x 1000 down-draft table

Description	Reference	Characteristics	Part number LINCOLN ELECTRIC
Emergency stop	AT U1	Schneider	Please enquire
Two-pole circuit breaker, 1A	D2	Schneider	Please enquire
Circuit breaker, PH+N, 2A	D3	Schneider	Please enquire
Motor circuit breaker, 4/6A	D1	Schneider	Please enquire
Front circuit breaker auxiliary contact	D1	Schneider	Please enquire
Motor circuit breaker, 4/6A	D2	Schneider	Please enquire
Front circuit breaker auxiliary contact	D2	Schneider	Please enquire
Buzzer on panel	Buzzer	Kingstate	Please enquire
Green indicator	S2	Schneider	Please enquire
Red indicator	H1	Schneider	Please enquire
White indicator	H2	Schneider	Please enquire
Contactor, LC1D09B7 24V	KM1	Schneider	Please enquire
Contactor, LC1D09B7 24V	KM2	Schneider	Please enquire
Disconnector switch, 32A	Q1	ABB ref OT 32	Please enquire
Transparent red pushbutton	S1	Schneider	Please enquire
Transparent green pushbutton	S2	Schneider	Please enquire
Rotating head with 2 fixed positions	S3	Schneider	Please enquire
Multi-voltage timer	T1	Schneider ref RAMU	Please enquire
Transformer, 63VA 400-230/24V	TR1	Schneider ref TR 63 VA	Please enquire

3000 x 1000 down-draft table

Description	Reference	Characteristics	Part no LINCOLN ELECTRIC
Emergency stop	AT U1	Schneider	Please enquire
Two-pole circuit breaker, 1A	D3	Schneider	Please enquire
Circuit breaker, PH+N, 2A	D4	Schneider	Please enquire
Motor circuit breaker, 6.3/10A	D1	Schneider	Please enquire
Front circuit breaker auxiliary contact	D1	Schneider	Please enquire
Motor circuit breaker, 6.3/10A	D2	Schneider	Please enquire
Front circuit breaker auxiliary contact	D2	Schneider	Please enquire
Buzzer on panel	Buzzer	Kingstate	Please enquire
Green indicator	S2	Schneider	Please enquire
Red indicator	H1	Schneider	Please enquire
White indicator	H2	Schneider	Please enquire
Contactor, LC1D09B7 24V	KM1	Schneider	Please enquire
Contactor, LC1D09B7 24V	KM2	Schneider	Please enquire
Disconnector switch, 32A	Q1	ABB ref OT 32	Please enquire
Transparent red pushbutton	S1	Schneider	Please enquire
Transparent green pushbutton	S2	Schneider	Please enquire
Rotating head with 2 fixed positions	S3	Schneider	Please enquire
Multi-voltage timer	T1	Schneider ref RAMU	Please enquire
Transformer, 63VA 400-230/24V	TR1	Schneider ref TR 63 VA	Please enquire

SPARE PARTS AND ADDITIONAL EQUIPMENT

1200 x 800 down-draft table

Description	Part number	Quantity
Metal pre-filter	W000380594	2
Filter cartridge with 15 m² PTFE membrane – class H13	EM61000155	2
2 SV air tank kit	W000342821	1
6.0D solenoid valve	S94002086	2
Compressed air regulator filter	W000272058	1

2000 x 1000 down-draft table

Description	Part number	Quantity
Metal pre-filter	W000380594	2
Filter cartridge with 15 m² PTFE membrane – class H13	EM61000155	4
2 SV air tank kit	W000342821	2
6.0D solenoid valve	S94002086	4
Compressed air regulator filter	W000272058	1

3000 x 1000 down-draft table

Description	Part number	Quantity
Metal pre-filter	W000380594	4
Filter cartridge with 15 m² PTFE membrane – class H13	EM61000155	6
2 SV air tank kit	W000342821	3
6.0D solenoid valve	S94002086	6
Compressed air regulator filter	W000272058	1

PERSONAL NOTES

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