MOBILE FILTER

MOBIFILTER 1600M

SAFETY INSTRUCTIONS FOR USE AND MAINTENANCE

N° W000377937 - W000377938 - W000377939

EDITION : EN
REVISION : D
DATE : 10-2020

Instructions for use

REF : **8695 8588**

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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MOBILE FILTER

MOBIFILTER 1600M FILTER

TYPE : W000377937 / W000377938 / W000377939

1) CE DECLARATION OF CONFORMITY/EU

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 differing assembly or modification will void the validity of this certificate. 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 no	Number
MOBIFILTER 1600M 400V – 3Ph - 50Hz	**W000377937**	*See name plate*
MOBIFILTER 1600M 230V – 1Ph - 50Hz	**W000377938**	*See name plate*
MOBIFILTER 1600M 100V – 1Ph - 50Hz	**W000377939**	*See name 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
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5) Manufacturer.

LINCOLN ELECTRIC FRANCE SAS
Avenue Franklin Roosevelt
76120 – LE GRAND QUEVILLY

CERGY, on 29/10/2019

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 installation by locking it out:

— Accidental connection of the cable of a fixed installation 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 installations 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 a duty point based on extraction speed (speed of air in the piping) and head loss.

In accordance with the regulations of CARSAT and INRS, the installation 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 (outdoor 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.

The **MOBIFILTER 1600M** mobile mechanical filter is a uniquely efficient filter that has been developed for filtering welding fumes and non-explosive dry dust, for manufacturers working with metal, plastic and rubber, and for the chemicals industry, mining, food processing etc.

The **MOBIFILTER 1600M** mobile mechanical filter is of the maintenance-free filter cassette type.

When the filter alarm is activated, the fine filter must be replaced, or the metal pre-filter must be cleaned, as the extraction rate would no longer be sufficient and the operator would no longer be protected.

The **MOBIFILTER 1600M** has a high-efficiency centrifugal fan that combines efficiency and low power consumption

BENEFITS

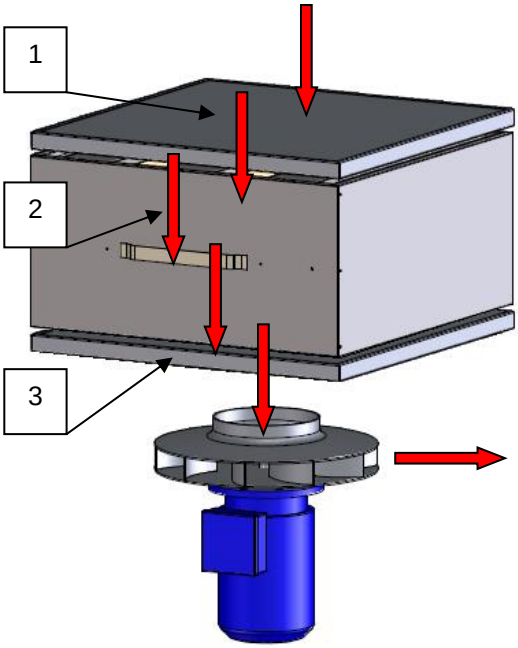
— High filter surface, 35 m², high efficiency
— High air flow and greater efficiency over the entire life of the filter
— Indicator showing that the fine filter is saturated
— Low noise
— Simple installation
— Compact design
— Minimum maintenance

DELIVERY

All **MOBIFILTER 1600M** filters are delivered complete, with wheels and a 5 m long power cable, with no extraction arm.

The filter inlet diameter is 160 mm, which is the standard size for use with a polyarticulated or Ecoflex arm.

OPERATING PRINCIPLE



The **MOBIFILTER 1600M** is a high-efficiency cassette filter with a (standard) area of 35 m², designed to remove all sorts of dust, welding fumes, grinding dust or other non-explosive dry pollutants.

Simple and effective filtration principle:

The polluted air that has been extracted flows above the deflector integrated into the filter cover.

A metal pre-filter ❶ holds back any incandescent particles and evenly spreads the air flow over the entire surface of the fine filter ❷

The air is filtered at a rate of 99.99% by the fine filter. An optional activated carbon filter ❸ is available.

The filtered air then passes directly through the fan and is discharged behind the machine, directed upward.

The fan is placed on the clean air side, keeping it clean and applying a vacuum on the filter box to prevent the risk of dust leaks.

FIELD OF USE

The following applications are not within the field of use of the **MOBIFILTER 1600M** filter:

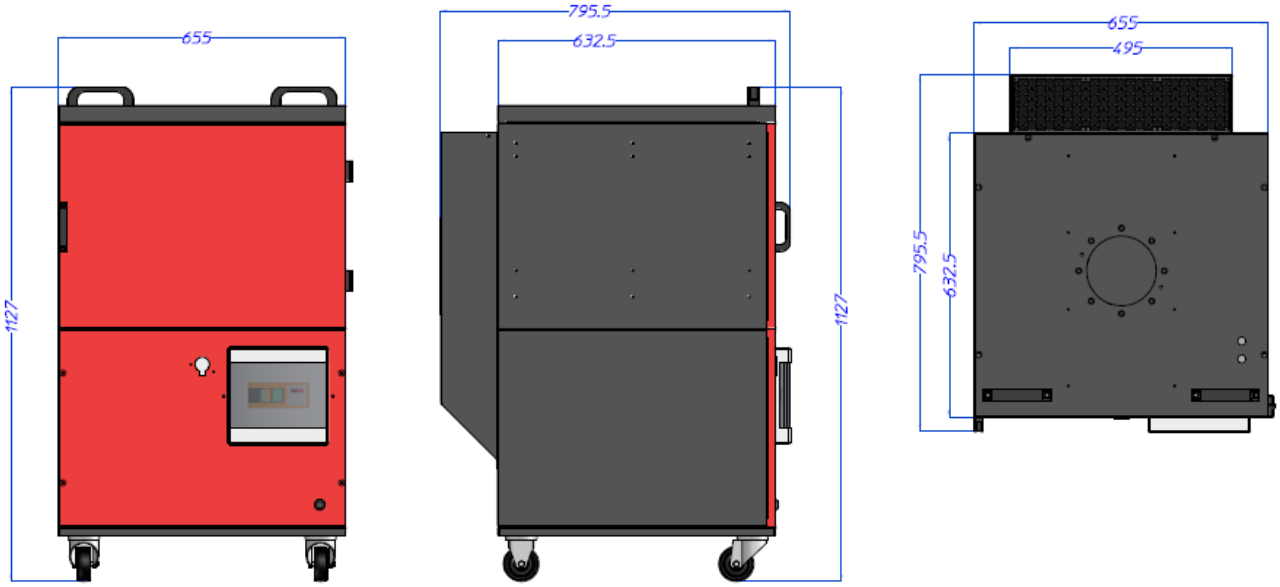
- Welding of painted or oily sheets,
- air arc gouging,
- oil mist,
- paint particles,
- gases at temperatures above 50 °C,
- explosive gases,
- plasma cutting,
- aluminium and magnesium sanding,
- any and all explosive dust,
- wood dust,
- incandescent particles or cigarettes.

TECHNICAL SPECIFICATIONS

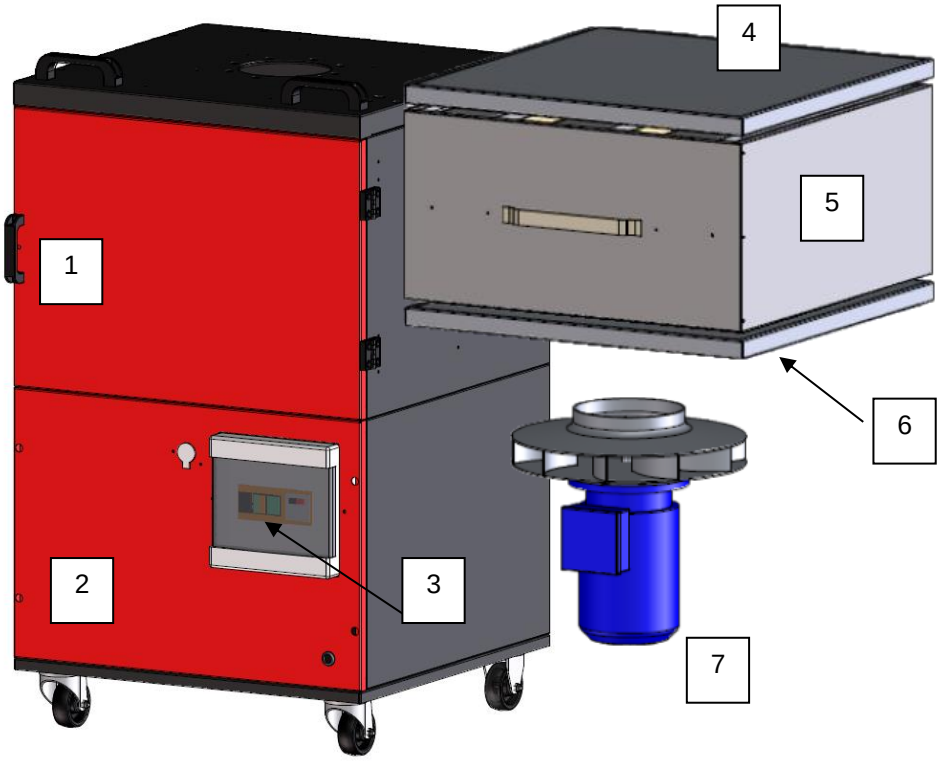
DESCRIPTION	UNIT	MOBIFILTER 1600M
Motor	kW	1.5
Consumption	A	3.6 / 6.3 / 13.1
Power voltage	V	400 – 3 Ph – 50 Hz 230 – 1 Ph – 50 Hz 110 – 1 Ph – 50 Hz

WEIGHT AND DIMENSIONS

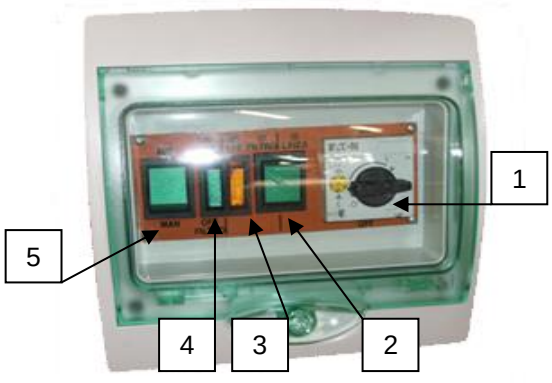
DESCRIPTION	UNIT	MOBIFILTER 1600M
Weight of filter	kg	100
Width of filter * A	mm	655
Depth of filter * B	mm	796
Height of filter (excluding arm) * C	mm	1127



COMPOSITION OF MOBIFILTER 1600M



REFERENCE	DESCRIPTION
1	Filter compartment
2	Motor compartment
3	Control panel
4	Metal pre-filter
5	Cassette type fine filter
6	Activated carbon filter (optional)
7	1.5KW motor



REFERENCE	DESCRIPTION
1	Main switch
2	Mains indicator
3	Filter detector indicator
4	Filter operating indicator
5	Auto/Manual switch

D - INSTALLATION

ELECTRICAL CONNECTIONS

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

Before making any connections to the mains,

- Make sure that the information on the identification plate matches the electricity distribution system.
- Make sure that there is electrical protection before the electrical connection,
- Make sure that the section of the power cord is suitable for the power consumption,
- Make sure that the machine is connected to the earth.

The machine has a fan with a three-phase power supply.
Depending on how it is connected to the mains, the motor rotation direction may be reversed

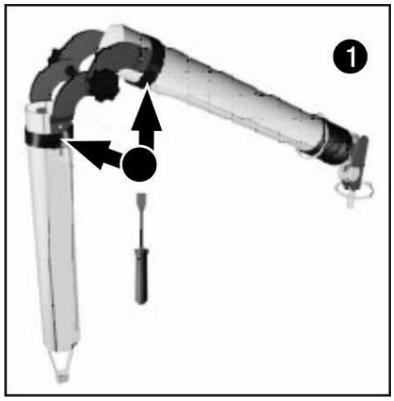
If the motor rotation direction is reversed, that could lead to the following issues:

- Excessive noise from the equipment
- Significant loss of the extraction power of the equipment
- Heating and excessive power consumption by the motor, making the motor circuit breaker trip

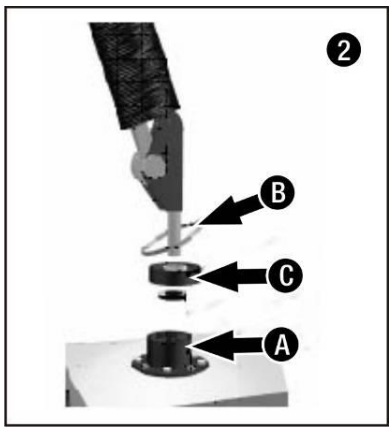
PROCEED AS FOLLOWS TO CHECK THE FAN ROTATION DIRECTION:

1. Set the main switch (1) to 0 to stop the machine
2. Open the door of the filter housing and remove the fine filter.
3. Set the main switch (1) to 1 to start up the **MOBIFILTER 1600M**.
4. Check that the rotation direction is as shown by the arrow
5. If the rotation direction does not match the arrow, stop the machine, disconnect the power cord and reverse the two phases of the connector (if single-phase motor) or two of the three phases (if three-phase motor)

ASSEMBLING THE POLYARTICULATED ARM

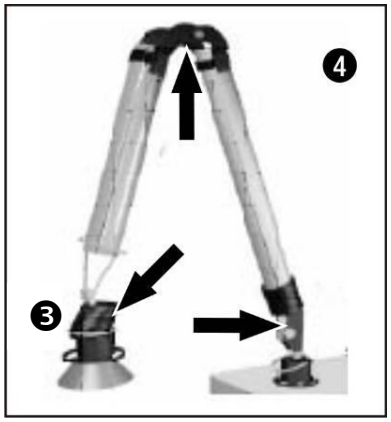


❶ Connect the two parts of the articulation to each other to form the extraction arm.



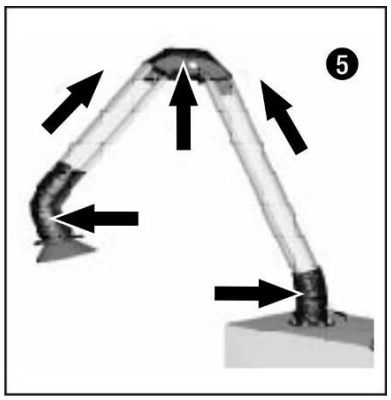
❷ Fit the flange (A) on the filter.

Place the collar (B) then the ring (C) and washer on the arm support shaft. Then insert the arm into the flange (A).



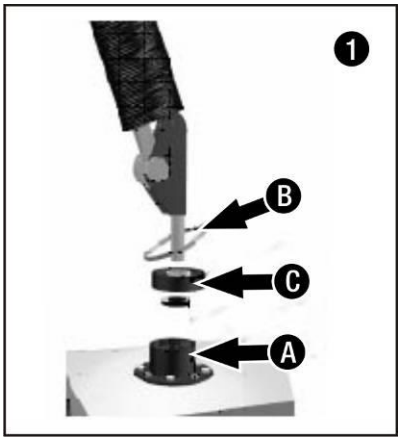
❸ Put in place the flexible sleeve, the collars, the nozzle support and the nozzle at the end of the outer arm.

❹ Tighten the friction type articulations so that the different parts of the arm remain in position after manipulation.

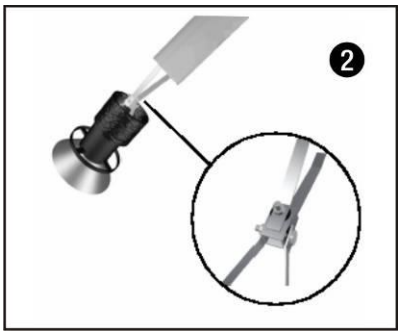


❺ Put in place the flexible sleeves and the collars.

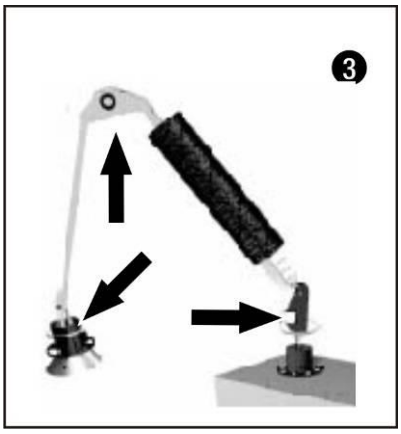
ASSEMBLING THE ECOFLEX ARM



❶ Fit the flange (A) on the filter.
Place the collar (B) then the ring (C) and washer on the arm support shaft.
Then insert the arm into the flange (A).



❷ Put in place the flexible sleeve, the collars, the nozzle support and the nozzle at the end of the arm

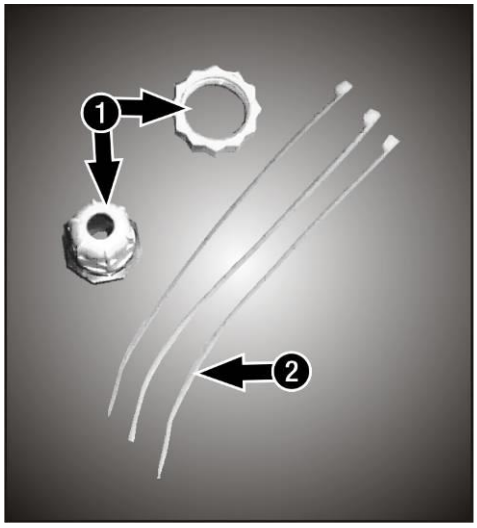


❸ Tighten the friction type articulations so that the different parts of the arm remain in position after manipulation.

❹ Put in place the flexible sleeve and the collars.

INSTALLING THE HALOGEN LAMP

Composition:



❶ Cable gland

❷ 3 cable ties

❸ Grille with lighting for arm

❹ Switch for arm

Connect the cable (supplied with the arm), to the Lamp Connection connector at X1&X2 (as shown in chart on page 21)

Control of lighting from the arm.

E - OPERATING INSTRUCTIONS

OPERATING WARNINGS

The **MOBIFILTER** has a series of fixed and removable guards.
Explanation of pictograms provided on the filter.

	Read the machine operating and maintenance instructions		Electrical hazard. Remove the power supply before any maintenance work
	Never remove the safety devices.		Hazard: operating parts
	No working on the filter when it is operating.		Use of goggles mandatory
	Use of mask mandatory		Use of gloves mandatory

DESCRIPTION OF THE FRONT CONTROL PANEL

Description of the control panel		
1	Main circuit breaker and switch	Filter power/adjustment of the circuit breaker setting according to motor current
2	Mains indicator	Shows the presence of mains power.
3	Filter alarm indicator	Shows that the filtration cassette is saturated.
4	On indicator	Shows that the filter is operating
5	Auto/Manual switch	Auto position: the filter is started and stopped depending on the detection of the welding current via the IR sensor. Manual position: forced working of the filter.

FILTER STARTING

After connecting the filter to the mains, switch on the main switch (1).
The mains indicator (2) is on.

If the switch (5) is already in the Manual position, the filter starts and the operating indicator (4) goes green.
If, on the other hand, the switch (5) is on Auto, the filter waits for an outside starting order, via the current sensor.

OPERATING IN MANUAL MODE

The Mobifilter 1600M is connected to the mains.

1. Select the Manual mode by switching the switch (5) to Manual.
2. Then move the main switch (1) to I, and the **MOBIFILTER 1600M** will start extracting.
   - ➔ The mains indicator (2) is on;
   - ➔ The operating indicator (4) is on.
3. Stop the filter by moving the main switch (1) to O.
   - ➔ The mains indicator (2) is off;
   - ➔ The operating indicator (4) is off.

OPERATION IN AUTOMATIC MODE

The **MOBIFILTER 1600M** is connected to the mains power.

1. Select the Automatic mode by switching the switch (5) to Auto.
2. Then turn the main switch (1).
   - ➔ The mains indicator (2) is on;
   - ➔ The operating indicator (4) is off.
3. Place the supplied current sensor on the ground cable of the welding or cutting machine.
4. Weld or cut with your machine.
   When the electric arc strikes on the machine in use, the **MOBIFILTER 1600M** starts
   - ➔ The mains indicator (2) is on;
   - ➔ The operating indicator (4) is on.
5. The **MOBIFILTER 1600M** switches off automatically after a set delay and restarts automatically depending on the use of the equipment with which it is associated.
   If needed, extraction can be stopped manually putting the main switch (1) back to O.

Connection of the current clamp to the CONNECTION START/STOP connector

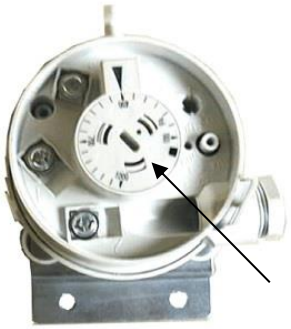
AUTOMATIC SAFETY SYSTEM

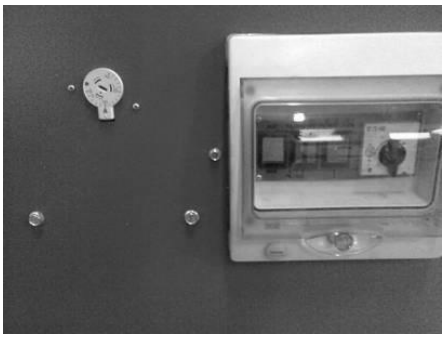
The **MOBIFILTER 1600M** has a thermal magnetic circuit breaker that protects it from abnormal motor overloads, and from electrical short circuits

The thermal circuit breaker rating must be appropriate for the motor and its power voltage.
See page 12 for the different possible motor consumption values.

ADJUSTING THE PRESSURE SWITCH

The differential pressure switch is normally calibrated for a 1000 Pa vacuum.
The filter alarm indicator (3) will indicate when the filters need to be changed, when their fouling will have an adverse effect on efficiency.





RECOMMENDATION

This type of machine may not be used while welding in confined atmospheres.
If it is to be used permanently, prefer a fixed filter solution with a fixed collector or extraction arm and discharge outside the building.

As a general rule, industrial fumes are to be discharged outside the building so as to comply with the gas exposure values determined by the laws and regulations of your country.

If that is so, the **MOBILILTER 1600M** will have to be fitted with an outdoor discharge kit W000380765 in order to comply with the laws and regulations.

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 frame. 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 the safety device is in good condition and legible.

Hazards relating to rotating turbines; cutting or shearing.
The openings on the machine and its cover allow access to the rotating turbine after the manifolds or blind flanges are removed.
Never put your hands or any other object through those openings.

Introduction

All routine maintenance operations must be carried out by disconnecting the machine from the electricity supply.

During maintenance work, the operator must wear PPE (protective gloves, goggles, mask and clothing on the body).

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 of the “General instructions” section would release Lincoln Electric from responsibility for any damage caused and would void the guarantee if it is still valid.

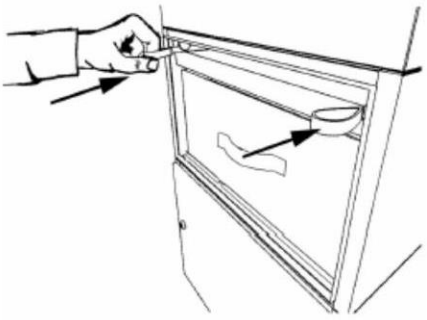
PRE-FILTER MAINTENANCE

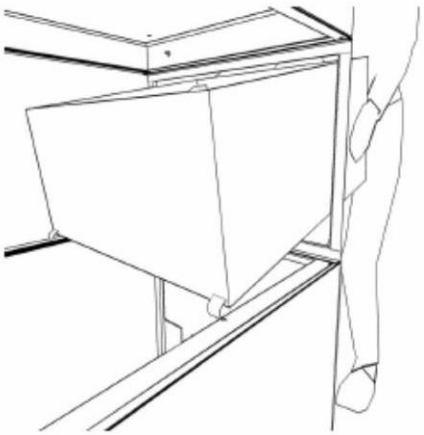
Periodically, as a preventive measure, or whenever the extraction does not seem adequate:

Clean with dry compressed air in a well-ventilated area or immerse in a solution made of water and Filter clean 20L, part no W000342878.
Then dry with air

FINE FILTER MAINTENANCE

When filtration is not sufficient, extracted fumes could leak out of the machine or the filter alarm indicator (3) will go on. The fine filter (cassette) must be changed





❶ Open the filter compartment door.

❷ Remove the metal pre-filter.

❸ Remove the fine filter cassette and wrap it in a plastic bag. **MIND** the weight of the filter, which can exceed 20 kg.

❹ Put in the new fine filter, taking care to not damage the seal placed on its underside.

❺ If preliminary cleaning of the pre-filter is not sufficient or the filter is too damaged, replace it.

TROUBLESHOOTING

PROBLEMS FOUND	CAUSES
MACHINE COMPLETELY OFF	- The connector is not connected; no power supply - The power cord is cut off
MACHINE ON BUT WILL NOT START	Thermal circuit breaker tripped Protective fuse out of order
EXTRACTION NOT SUFFICIENT	- The door is not properly closed - Pre-filters full (clean) - Inspect the seals of the motor and the rotation direction - Inspect the losses from the extraction system - Inspect the integrity of the extraction arm
THE AIR DISCHARGED FROM THE FILTER IS NOT CLEAN	- Check the filters for damage
THE MOBIFILTER DOES NOT OPERATE IN AUTO MODE	- Clean the photo-resistor of the extraction arm - Inspect the integrity of the current clamp - Inspect the proper placing of the current clamp - Inspect the connections of the photo-resistor or the current clamp

If, after completing the operations above, the machine still shows operating anomalies, please contact your nearest assistance centre or directly contact LINCOLN ELECTRIC.

PRODUCT PART NOS

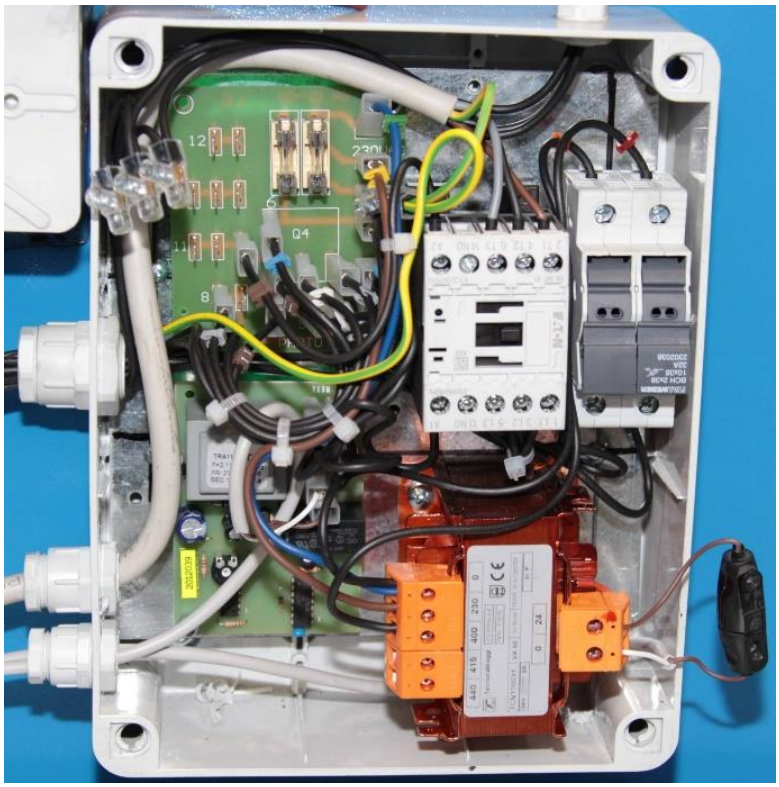
DESCRIPTION	PART NO
MOBIFILTER 1600M 400 V - 3 Ph	W000377937
MOBIFILTER 1600M 230 V - 1 Ph	W000377938
MOBIFILTER 1600M 110 V - 1 Ph	W000377939
ARM COMPLEMENT	
ECOFLEX 3 m arm	W000341029
ECOFLEX 4 m arm	W000341031
POLYARTICULÉ 3 m arm	W000341032
POLYARTICULÉ 4 m arm	W000341033
OPTIONS	
Activated carbon kit	W000380758
Arm LED lighting	W000342209
Outdoor discharge kit, Ø 160mm*	W000380765
5 m hose, Ø 160mm	W000380641
10 m hose, Ø 160mm	W000380642
15 m hose, Ø 160mm	W000380643
Set of 6 flat clamps, Ø 160mm	EM61000370

* Depending on the laws and regulations in your country, you may not be allowed to discharge the filtered air inside the building. In that case, you will need the outdoor discharge kit

SPARE PARTS

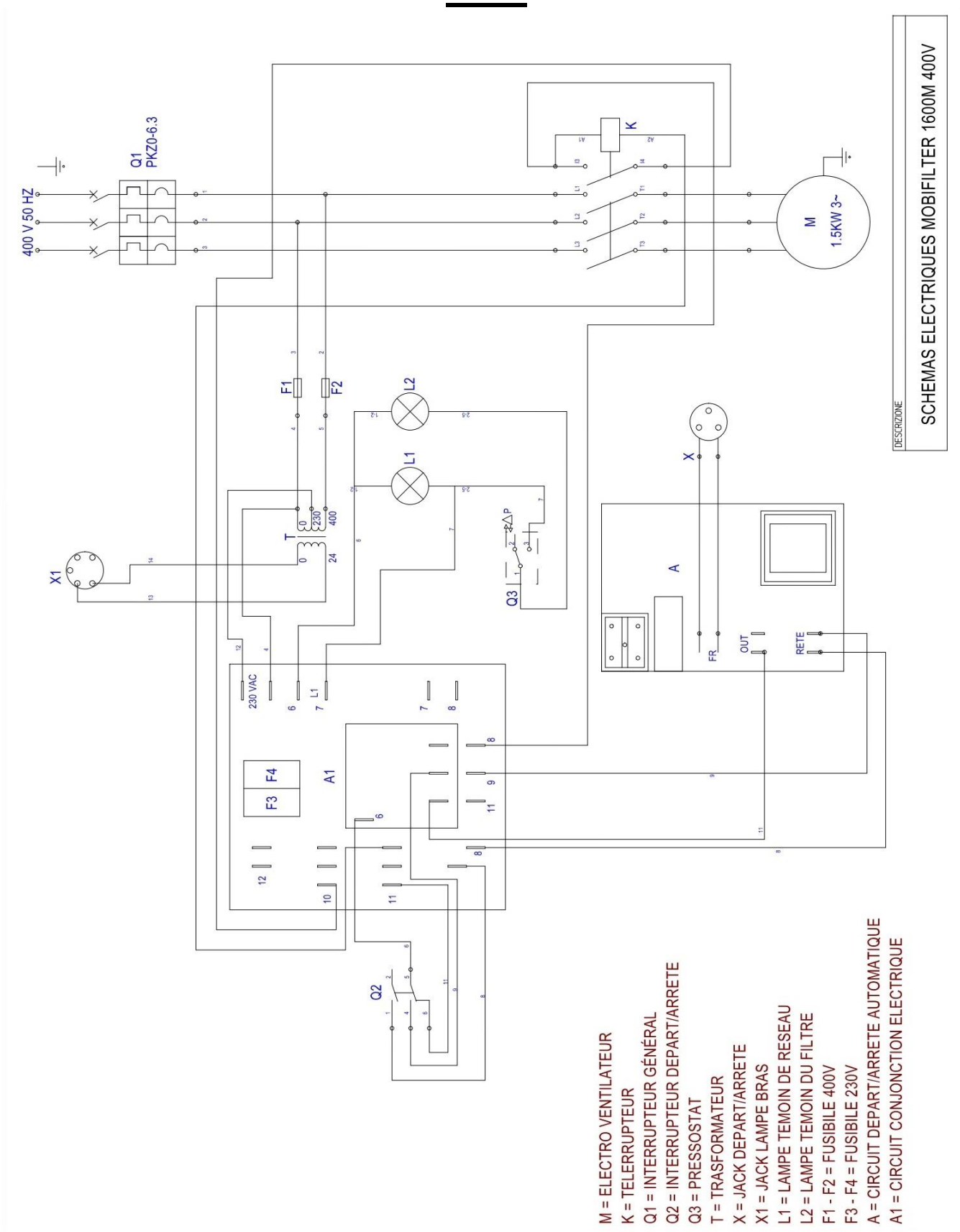
DESCRIPTION	PART NO
Metal pre-filter, thickness 30 mm	W000379698
Fine filter, 610 x 610 x 292 - Class F8	W000379637
Activated carbon filter	W000380758
Motor 400V – 3ph	ATS61000101
Motor 230V – 1ph	ATS61000102
Motor 110V – 1ph	ATS61000103
Electromagnetic detector clamp	W000380662

ELECTRICAL CABINET

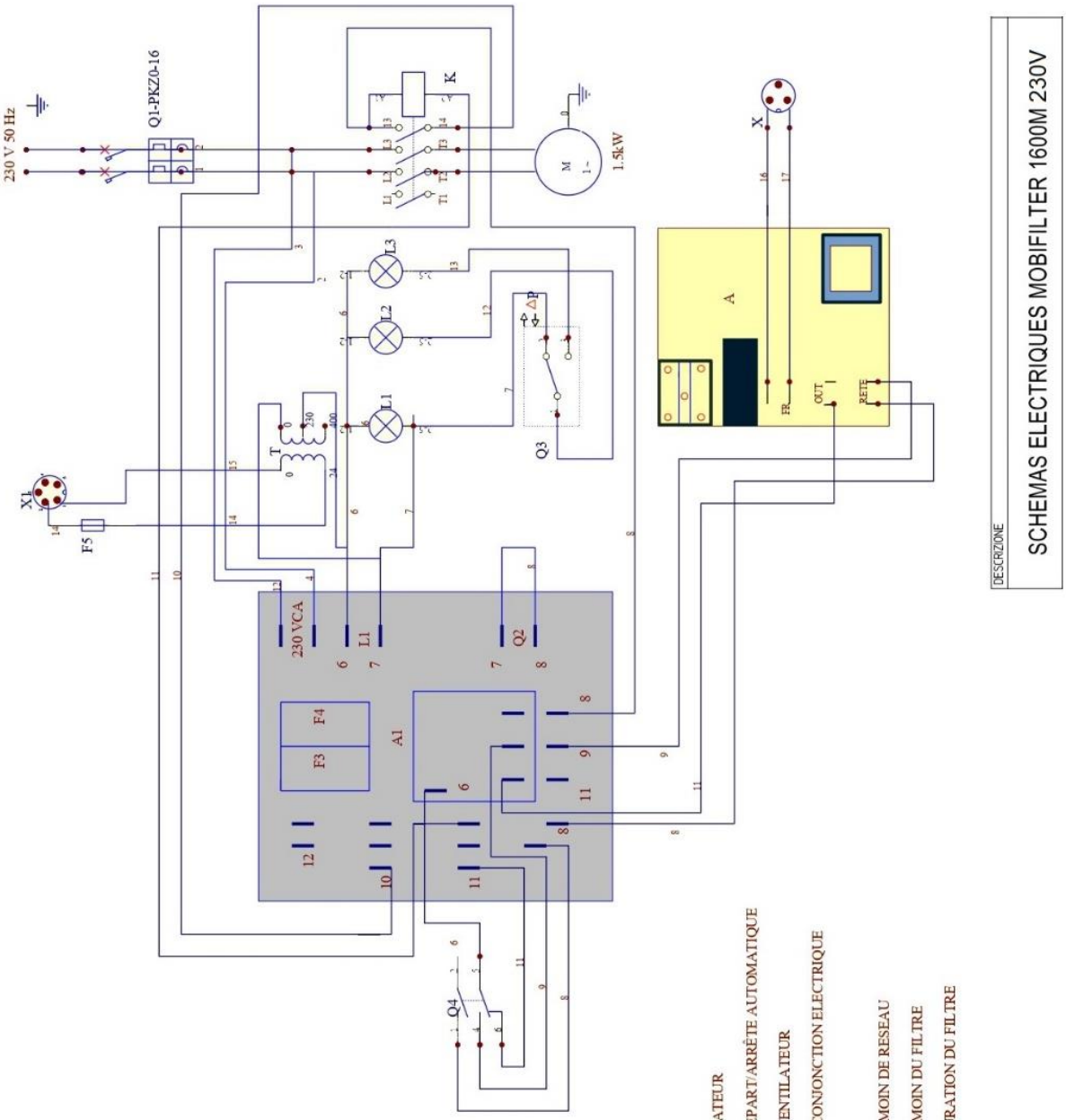


ELECTRICAL DIAGRAMS

400V



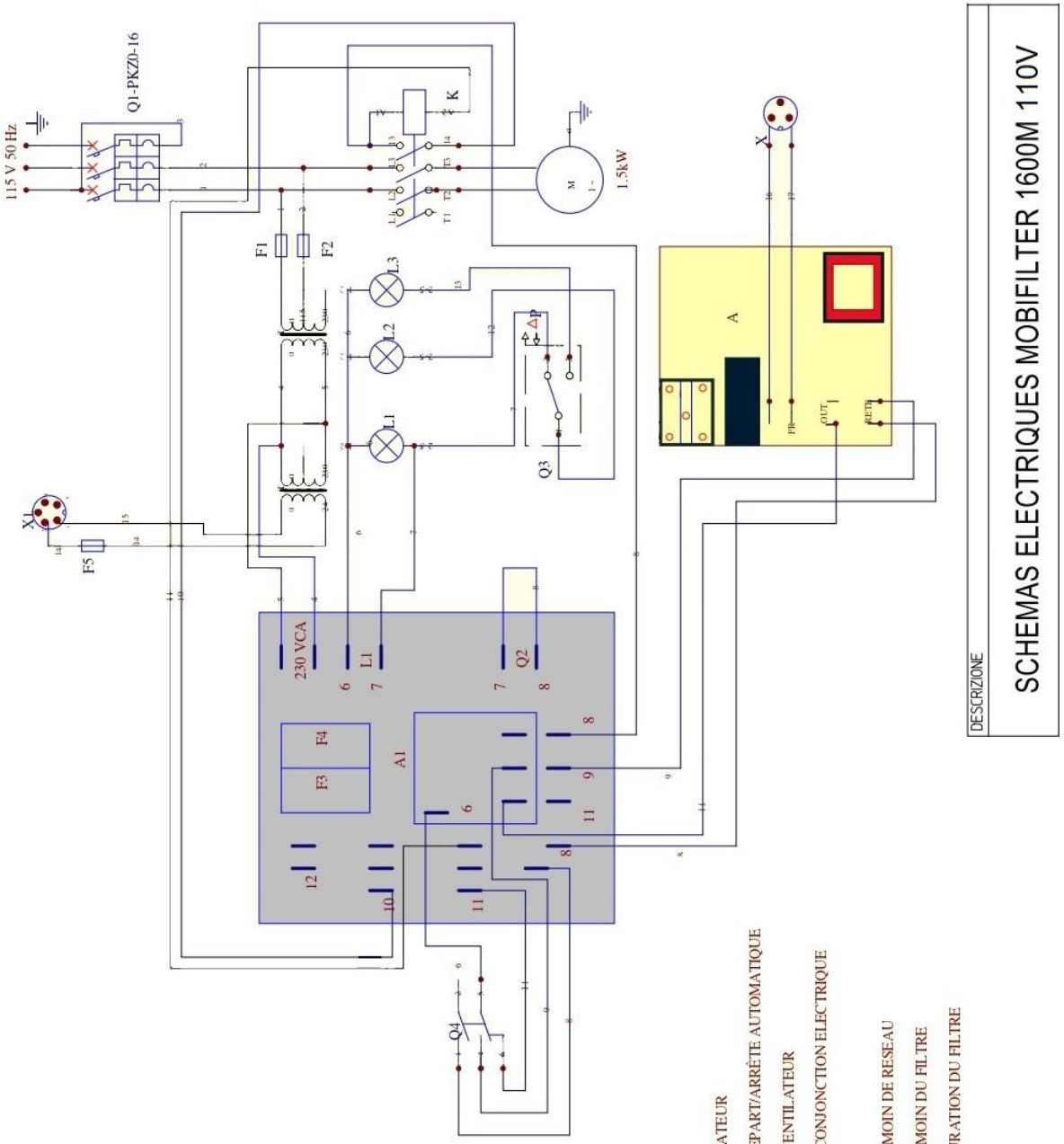
230V



Q1 = INTERRUPTEUR GÉNÉRAL
Q2 = MICROITERRUPTEUR
Q3 = INTERRUPTEUR
Q4 = PRESSOSTAT
X1 = JACK LAMPE BRAS
X = JACK DEPART-ARRETE
K2 = TELERRUPTEUR
F1-F2 = FUSIBILE (400 V)
F3-F4 = FUSIBILE (230 V)

T = TRASFORMATEUR
A = CIRCUIT DEPART/ARRÊTE AUTOMATIQUE
M = ELECTROVENTILATEUR
A1 = CIRCUIT CONJONCTION ELECTRIQUE
F5 = 1.6A 230V
L1 = LAMPE TÉMOIN DE RESEAU
L2 = LAMPE TÉMOIN DU FILTRE
L3 = LAMP SATURATION DU FILTRE

110V


SCHEMAS ELECTRIQUES MOBIFILTER 1600M 110V
DESCRIZIONE
115 V 50 Hz
Q1-PKZ0-16
K
1.5kW
F1
F2
L3
L2
L1
Q3
A
X
X1
F5
230 VCA
Q2
F4
F3
A1
Q4
T = TRASFORMATEUR
A = CIRCUIT DEPART/ARRÊTE AUTOMATIQUE
M = ELECTROVENTILATEUR
A1 = CIRCUIT CONJONCTION ELECTRIQUE
F5 = 1.6A 230V
L1 = LAMPE TÉMOIN DE RESEAU
L2 = LAMPE TÉMOIN DU FILTRE
L3 = LAMP SATURATION DU FILTRE
Q1 = INTERRUPTEUR GÉNÉRAL
Q2 = MICROITERRUPTEUR
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X1 = JACK LAMPE BRAS
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F1-F2 = FUSIBILE (400 V)
F3-F4 = FUSIBILE (230 V)

PERSONAL NOTES

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