

# User manual

# Compact-Pro 20, 30, 35, 40, 45

Réf. 40065 / 30422 / 30733 / 30790 / 30559



## EUROPRO

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Edition of 14/02/2023

More information on [www.euromair.com](http://www.euromair.com)

You just acquired one of our machines and all the team of Europe Projection thanks you for the confidence you have granted us.

Manufacturer of professional equipments for paint and fillers, we have put our know-how for 25 years at the service of the users of our machines.

Our technical & commercial team is at your disposal for any further information you may need about the machine you just acquired.

## EUROPE PROJECTION

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# SUMMARY

<b>1. USER MANUAL.....</b>	<b>p. 3</b>
1.1. Importance of the manual .....	p. 3
1.2. Receivers of the manual.....	p. 3
<b>2. WARNING .....</b>	<b>p. 4</b>
2.1. Safety .....	p. 4
2.2. Electric connection .....	p. 6
2.3. End-of-life of the product .....	p. 6
<b>3. YOUR MACHINE .....</b>	<b>p. 7</b>
3.1. Description.....	p. 7
3.2. Technical characteristics .....	p. 7
3.3. Identification of the components .....	p. 8
<b>4. USE OF THE MACHINE .....</b>	<b>p.10</b>
4.1. Prerequisites.....	p.10
4.2. Starting up .....	p.11
4.3. Error codes.....	p.11
<b>5. DEFECTS AND REMEDIES.....</b>	<b>p.12</b>
<b>6. MAINTENANCE.....</b>	<b>p.13</b>
6.1. Cleaning procedure.....	p.13
6.2. Check-up .....	p.13
<b>7. DECLARATION OF CONFORMITY .....</b>	<b>p.15</b>
<b>8. WARRANTY CONDITIONS.....</b>	<b>p.16</b>

# 1. USER MANUAL

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## 1.1. IMPORTANCE OF THE MANUAL

This manual is a key part for the use of your machine. It summarizes the procedures of starting-up, cleaning and maintenance of the device and also the safety instructions you need to observe.

Read carefully all the working and safety instructions and the warnings included in this manual before starting your machine.

Most of the accidents are caused by the non-compliance of the safety standards and rules.

This manual must be kept near the machine, within reach of the user and held in good condition until the final destruction of the machine.

In case of loss or deterioration of the manual, you can ask the machine manufacturer mentioned on page 4 for a copy at any moment.

## 1.2. RECEIVERS OF THE MANUAL

This manual is intended to any staff which will manipulate the machine :

- people in charge of the transport of the machine
- people in charge of the use of the machine
- people in charge of the cleaning and maintenance of the machine
- people in charge of the final destruction of the machine

## 2. WARNING

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### 2.1. SAFETY

**Using the machine in an incorrect way or in non-compliance of the safety instructions indicated in this manual can cause death or serious injuries.**

**Read carefully all the working and safety instructions and the warnings contained in this manual before starting your machine.**



- Respect all the safety standards before running the equipment.
- Use the equipment only for the applications specified in the manual.
- Always remain alert when using the equipment.
- Transport the machine using the handles or the appropriate grips.
- During the breaks, disconnect electrically the machine.



- Run the equipment to its nominal voltage.
- Let at least 50 cm of free space between the equipment and any obstacle so that the air flow is not blocked.
- Know how to quickly stop the equipment in case of necessity.
- Never use the equipment while it is running abnormally or it is defective.
- Do not direct a water jet or flammable liquid on the machine.
- Never direct an air jet or product jet on a person or an animal.
- Do not touch warm surfaces of the equipment.
- Always wear adequate body protections (glasses, gloves, overall and mask) and pay attention to long hair.
- Never touch moving parts.
- Do not insert any object or the hands inside the protection grids to avoid any accident or damage to the machine.
- For any outside job, only use appropriate extension cords.



- Maintain the equipment carefully and clean it properly after every use.
- Disconnect the equipment before any intervention.
- Avoid absolutely to unscrew any connection while the machine is under pressure.
- Check the damaged parts.
- Do not clean the plastic parts with solvent.
- In case of damage of the electric cable or the plug, do not run the machine and contact a licensed After-Sale Service to put genuine parts instead of the defective ones.
- In case of needed After-Sale Service, always specify the machine model and its serial number.
- For any replacement of parts, only use genuine parts.



- Do not modify the machine.
- Do not cut or dismantle the protection grids.
- Do not open the electric box.

## 2. WARNING (continued)

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### 2.1. SAFETY (continued)

#### WORKSPACE

- Maintain the workspace clean and clear.
- Ambient operating temperature must be from 5°C and 35°C.
- Do not use the equipment in a potentially explosive area.
- Do not place any potentially inflammable objects in close proximity to the machine.
- Take away every not qualified person from the working area of the machine, as well as children and animals.
- In case of installation of the machine on scaffolding or a plan above ground level, attach the machine to avoid any fall while operating.
- Do not install the equipment on an inclined surface to avoid the risks of unexpected moves or falls.

#### HOSES

- Always use hoses and connections adapted to the used product (genuine parts), do not try to fix it.
- Do not walk on the hoses, do not bend them.
- Do not use the hoses to pull the machine.

#### STORAGE

- Keep the equipment in a clean and clear area in which the temperature does not exceed +35°C.
- After every use, necessarily grease the pump with a mixture of water + storage liquid to avoid it blocking up. The storage of a not greased pump can damage it seriously.

**IN CASE OF NECESSITY, WE SAVE OURSELVES THE RIGHT TO MAKE ANY USEFUL  
MODIFICATION WITHOUT ADVANCED NOTICE.**

## 2. WARNING (continued)

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### 2.2. ELECTRIC CONNECTION



The electric connection of the machine must be on a 16A - 230V plug with a differential circuit breaker.

Before any intervention on the machine, make sure that every energy supply is cut (air and electricity).

#### GROUND CONNECTOR

All the machines must be connected to the ground when they work to protect the operator from electric shocks. Our machines are all equipped with standardized connection plugs.

Electric connection must be made by a qualified technician. It is forbidden to modify or dismantle the machine, especially the electric box.

Repairs must be made by an authorized center or our After-sale Service.

During any intervention on the machine, make sure that the ground is well reconnected.

#### EXTENSION CORDS

During the use of an extension cord, make sure that it is not crushed or damaged and that it contains a ground. Check that the section of the used extension cord is sufficient to support the machine when it is working. A too thin extension cord can cause voltage drops or overheating of the machine.

In case of use of a cable reel, it is imperative to unwind it entirely, otherwise, the equipment can be damaged. The section must be proportional to the length of the cord.

### 2.3. END OF LIFE OF THE PRODUCT



At its end-of-life, the machine must not be eliminated with the other household waste. The uncontrolled elimination of waste can harm the environment or human health. Individuals are invited to contact the distributor which sold them the product or to inquire with their city hall to know where and how to get rid of the product so it can be recycled while respecting the environment.

Under the regulation of Waste of Electrical and Electronic Equipments (WEEE), we undertake to process the used EEEs according to the following provisions: applicable only to products on the market since 08/13/05, under the brands EUROPE PROJECTION or VOLUMAIR, products of other brands sold by our company (upon presentation of the corresponding invoices), products that operate using electrical energy (for example, thermal washers or compressors do not fall into this category).

#### Treatment modality

WEEE returns collected by our clients/distributors at their own expense to our collection points in Antony (92) or Rousset sur Arc (13). Upon receipt, the products are sorted by our employees and directed to the most appropriate processing channels.

For any further information, please contact our hotline +33 4 42 29 08 96 or [conseil@euromair.com](mailto:conseil@euromair.com).



## 3. YOUR MACHINE

### 3.1. DESCRIPTION

Versatile spraying machines, equipped with a stainless steel tank, a digital control panel and a mono-cylinder compressor.

#### APPLICATIONS

**With mortar lance:** traditional mortars with admixtures, hydraulic coatings, monolayers, lime-based coatings, high-load technical and special coatings, repointing coatings...

**With E.W.I. lance:** glues and E.W.I. fillers, thick plastic coatings, light hydraulic fillers.



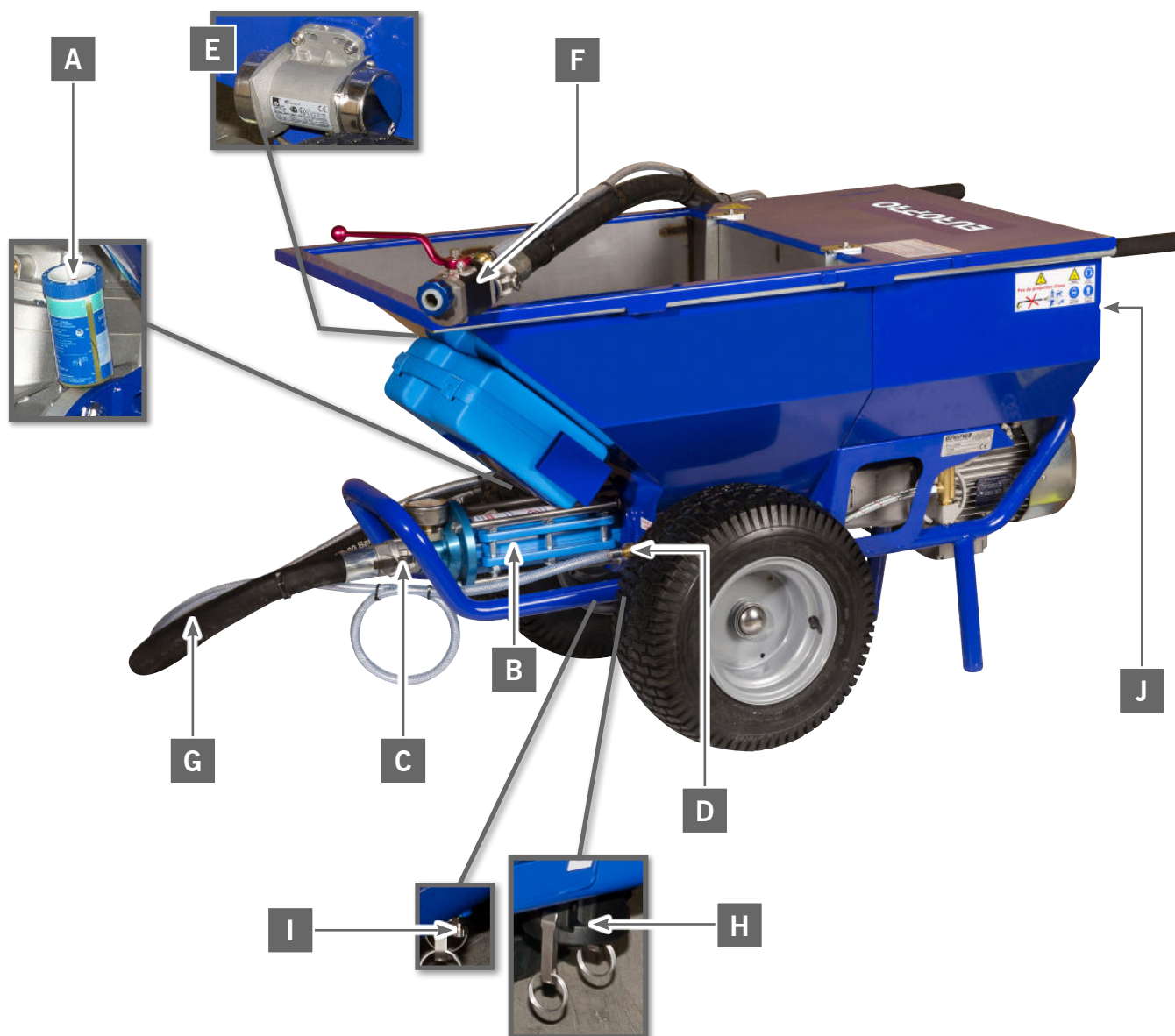
**Do not use corrosive products, acid products, powder products or products with a too large grain size.**

### 3.2. TECHNICAL CHARACTERISTICS

	CP 20	CP 30	CP 35	CP 40	CP 45
Product pressure	0 à 20 bar				
Product flow-rate	0 to 20 kg/min	0 to 30 kg/min		0 to 40 kg/min	
Machine motor power	1,5 kW	2,2 kW		3 kW	
Comp. absorbed air flow-rate	284 L/min		366 L/min	284 L/min	366 L/min
Compressor power	2,2 kW				
Maximum air pressure	10 bar				
Power supply	230 V - 16 A - 50 Hz				
Tank capacity	100 L				
Maximum grain size	5 mm	6 mm			
Pump	MAP 6				
Integrated vibrator	no		yes		
Dimensions (L x w x h)	130 x 70 x 75 cm				
Weight	135 kg		143 kg	141 kg	149 kg
Noise level	94 Lwa		96 Lwa	94 Lwa	96 Lwa
Delivered with	- a Ø32 mm x 10 m air/product hose - a pressure controller with adapter			- a Ø32 mm x 20 m air/product hose - a pressure controller with adapter	
Lance in carry-case	ABS mortar				

## 3. YOUR MACHINE (continued)

### 3.3. IDENTIFICATION OF THE COMPONENTS

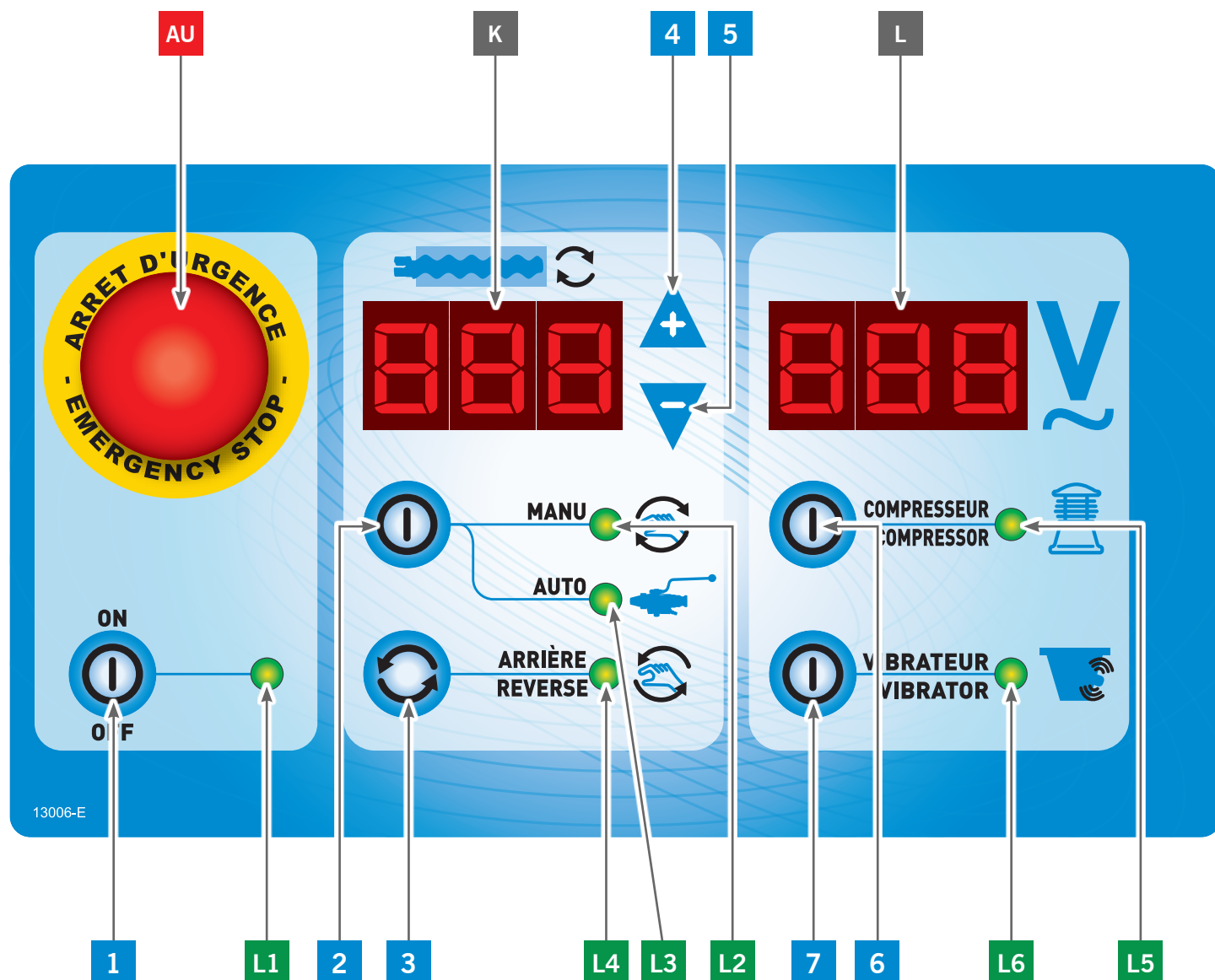


A	Automatic lubricator
B	Rotor / Stator
C	Product outlet
D	Air outlet
E	Vibrator (optional on some models)
F	Lance
G	Air/product hose
H	Drain plug
I	Compressor drain screw
J	Control panel (see next page)



## 3. YOUR MACHINE (continued)

### 3.3. IDENTIFICATION OF THE COMPONENTS (continued)



<b>K</b>	Motor speed or pump pressure in % display	<b>L</b>	Network voltage display
<b>1</b>	Start / Stop	<b>L1</b>	Power on light
<b>2</b>	Choice of MANU or AUTO mode	<b>L2</b>	MANU process light
<b>3</b>	Runs the pump backwards	<b>L3</b>	AUTO process light
<b>4</b>	Increase the motor speed	<b>L4</b>	Backwards running light
<b>5</b>	Decrease the motor speed	<b>L5</b>	Compressor running light
<b>6</b>	Start / Stop of the compressor	<b>L6</b>	Vibrator running light
<b>7</b>	Start / Stop of the vibrator	<b>AU</b>	Emergency stop

## 4. USE OF THE MACHINE

### 4.1. PREREQUISITES

- The electric connection has to be 230 V - 16 A - 50 or 60 Hz with a 3 x 2,5 mm<sup>2</sup> cable reel of 40m maximum, completely unreeled.
- One push on the MANU/AUTO button (2) makes the pump start working and the (L2) light lights up.
- One push on the button REVERSE (3) makes the product pump turn in reverse mode and the light (L4) lights up.
- In AUTO mode, the pump starts only at the opening of the lance (when the compressor is running).
- In MANU mode, the pump works continuously.
- After a prolonged standstill, it is possible that the pump might be blocked. If this is the case, alternately turn the pump forwards and backwards for 5 second sequences. As soon as the engine starts to turn normally, the pump is unblocked.



**Never use petroleum-based products in the pump, as they may damage it.  
Never run the pump without water or product.**

- In order to avoid condensation (and rust) in the compressor tank, make sure to unscrew and leave open the drain screw (I) when the machine is not in operation. Screw in only when the machine is working or being transported.
- Check every month that the machine's automatic lubricator is working properly. The level of grease in the cartridge should decrease steadily. The absence of grease can seriously damage the machine.



**It is imperative to replace the automatic motor flange lubricator (A) every 6 months.**

### **PRESSURE VALUES:**

- Ready-to-use product: from 12 to 15 bars
- Traditional product: from 5 to 8 bars
- E.W.I. products (glue / Thick Plastic Coating) : from 40 to 60 bars (MAP 7 rotor/stator kit)

### **PRESSURE CONTROL AND ADJUSTMENT:** *(at least once a week)*

- Install the pressure controller on the machine outlet with the valve in the open position.
- Put water in the tank.
- Switch the machine on (button (1)).
- Set the machine to 100% using buttons (4) & (5).
- Press MANU/AUTO (2), the machine starts.
- Close the controller valve and read the value on the manometer (C).
- Adjust the desired value with the 3 pump screws (tighten from the external screw to the screw on the tank side, equally).
- Adjust by closing the valve and reading the manometer *(repeat the adjustment operation until the correct pressure is obtained)*.

## 4. USE OF THE MACHINE (continued)

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### 4.2. STARTING UP

1. Install the machine on a flat floor.
2. Connect electrically (16 A minimum plug, extension cable 40m maximum in 3 x 2,5 mm<sup>2</sup> minimum).
3. Connect the hose (and its extension if necessary) on the outlet (C).
4. Put water into the tank.
5. Switch on the machine (button (1)).
6. Set the motor speed to 40% using buttons (4) & (5).
7. Press MANU/AUTO (2), the machine starts.
8. Wait until the water comes out of the hose (or the tank is emptied).
9. Press MANU/AUTO (2), the machine stops.
10. Empty the water from the hose and drain the remaining water from the tank using the drain plug (H).
11. Connect the lance in open position without the nozzle.



**In the case of a traditional product, prepare a mixture of water and liquid cement and pour it into the machine tank. Start the machine with MANU/AUTO (2). Wait for the mixture to come out or until the tank is empty.**

12. Fill the tank with product. Press MANU/AUTO (2), the machine starts.
13. Check that the hose does not clog (check the pressure on the manometer (C)) and that the product descends correctly.
14. When the product comes out of the hose, press MANU/AUTO (2) to stop the machine and THEN close the lance.
15. Install the desired nozzle at the end of the lance.
16. Verify that the air drains on the machine chassis (I) are properly closed.
17. Connect the air hose on the connector (D).
18. Start the compressor (button (6)) then set the machine speed between 20 and 70 depending on the desired flow rate.
19. When the lance is opened, the machine will start.

## 4. USE OF THE MACHINE (continued)

### 4.3. ERROR CODES

The different error codes show up on the display (K).

CODS	DEFINITION	TO DO
	No display.	Plug the machine into the power supply, assure the power supply is 230 V, verify the fuse in the electric box.
<b>AU</b>	Emergency stop is on.	Unlock the emergency stop button (AU).
<b>OFF</b>	Machine is in the stop mode.	Switch the machine on by pressing on the button (1).
<b>MOT</b>	Default control engine.	Set the machine to "OFF" for one minute and then switch it back on.
<b>SEC</b>	Safety Sensor default.	Verify that the safety grating is properly closed.



**If the problem persists or if in doubt on the good running of the machine, do not try to repair it by yourself or to dismantle it.  
Contact an authorized After-Sale Service or our hotline : +33 4 42 29 08 96.**

## 5. DEFECTS AND REMEDIES

Defect	Remedy
<ul style="list-style-type: none"><li>The machine runs but the product does not come out at the lance.</li></ul>	<ul style="list-style-type: none"><li>Check that the product is not too dry and that it sinks to the bottom of the tank, dilute it and mix it well if necessary.</li><li>Check the condition of the pump with a pressure controller.</li><li>Change the stator and/or the rotor.</li></ul>
<ul style="list-style-type: none"><li>The grain changes without changing the setting.</li></ul>	<ul style="list-style-type: none"><li>Unclog the air holes of the nozzle.</li></ul>
<ul style="list-style-type: none"><li>In AUTO mode, air supply connected, lance open, the machine does not start.</li></ul>	<ul style="list-style-type: none"><li>Check that the air inlet and outlet connections are properly connected. Clean them if necessary.</li><li>Remove the flow meter cap attached to the frame next to the compressor. Pull out the spring and piston and clean them thoroughly. Do the reverse operation to reassemble them.</li></ul>
<ul style="list-style-type: none"><li>The machine does not stop when the lance is closed.</li></ul>	



**In case of an unknown defect or a doubt on the good running of the machine, do not try to repair it by yourself or to dismantle it.  
Contact an authorized After-Sale Service or our hotline : +33 4 42 29 08 96.**

## 6. MAINTENANCE

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### 6.1. CLEANING PROCEDURE



**Disconnect the machine from the power supply before any intervention.**



**Before unscrewing the hose, make sure it is not under pressure anymore.**

1. Empty the tank to the maximum without adding water inside.
2. Empty the remaining air in the tank using the drain screws (I).
3. Open the hose to relieve pressure from the product hose and press REVERSE (3) for 10 to 20 seconds.
4. Clean the mixer first (if equipped), then clean the accessories (lance, nozzle, etc.).
5. Clean the tank (remove the plug (H) to allow water to drain, **never run water through the full product hose**).
6. Replace the plug and fill the tank with clean water.
7. Disconnect the product hose, press MANU/AUTO (2) to discharge any product remaining into the pump.
8. Place the cleaning ball in the product outlet (C) and replace the hose.
9. Set machine speed to 40%.
10. Start the machine by pressing MANU/AUTO (2).
11. When the ball comes out of the hose, press MANU/AUTO again to stop the machine.
12. Repeat operations 7 to 11 until water comes out of the hose clean.



**The direct projection of water under pressure onto the control panel has to be stopped at the risk of water infiltration into the electric box. Proceed by simply cleaning with a humid sponge.**

### 6.2. CHECK-UP

- Every 50 hours of operation, remove the suction filter from the compressor and clean the filter element by blowing compressed air.
- Replace the filter element once a year (more often if the machine is used intensively).

#### **Changing the compressor oil:**

Contact our After-Sales Service: **+33 4 42 29 08 96**.



## 7. DECLARATION OF CONFORMITY

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**THE MANUFACTURER :** EUROPE PROJECTION  
228, avenue Olivier Perroy  
13790 ROUSSET

**DECLARES THAT THE EQUIPMENT DESIGNATED BELOW:**

Trademark : EUROPE PROJECTION

Type : Spraying machine

Model : COMPACT-PRO 20, 30, 35, 40, 45

**COMPLIES WITH THE DIRECTIVES:**

- Machines 2006/42/CE
- Low voltage 2014/35/UE
- CEM 2014/30/UE
- ROHS 2011/65/UE
- Noise emissions 2005/88/CE



ROUSSET, JANUARY 20th 2023

Patrick BOREL  
President

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SAS au capital de 400 000 € - RCS Aix-en-Provence B 394 961 510 - NAF 2892 Z - Intracom : FR 54 394 961 510



## 8. WARRANTY CONDITIONS

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Each equipment is delivered inspected and tested.

We exclude any warranty for visible defects, not notified by the customer within 48 hours.

The equipment sold is guaranteed during the manufacturer's warranty from the date of purchase, as specified on the original proof of purchase, and under the conditions defined by the manufacturer.

This warranty covers any equipment against any manufacturing or material defect, under normal conditions of use. Insofar as the customer is presumed to be a professional of the same field of specialty, this warranty covers only the defect of conception of the equipment rendering it unfit for its use, which could not be detected by a professional buyer.

The defects or deteriorations caused by natural wear, external accident or a modification, use, storage or treatment of the equipment not planned by the manufacturer, nor specified by ourselves, are excluded from any warranty.

Are expressly excluded from the warranty the defects resulting from an improper use, the application of abrasive or corrosive products, an inappropriate installation, the negligence, an insufficient maintenance or cleaning, inappropriate conditions of storage, chemical, electronical or electric influences, any change in the normal process of use.

The following wearing parts are not covered by the warranty (non-exhaustive list): rotors, stators, driving shafts, connecting rods, seals, cleaning balls, spray guns, lance, nozzle, hose, needle kits, cylinders, piston rods, prime/spray valve assy, seal kits, membranes, suction and delivery valves, carding machine vanes, filters, oils, chains and quick-release clip.

The warranty also excludes the equipment on which the serial number was erased or made illegible, on which unauthorized people made attempts of repair, which were totally or partially dismantled.

**Our equipment are covered by a manufacturer's warranty (parts and labor) of 12 months following the purchase date by the final customer, without exceeding 24 months from the date of purchase by the client.**

**This manufacturer's warranty shall automatically cease if the customer does not resell the equipment within 24 months of its purchase. The cases of exclusion of warranty mentioned in articles above are also applicable to our own equipment.**

The manufacturer's warranty shall always be subject to the presentation of the purchase invoice.

If the defective equipment is covered by the manufacturer's warranty, it shall be repaired or replaced at our discretion free of charge.

If the defective equipment is not covered by the manufacturer's warranty, we shall issue a quote for the repair that we shall submit to the customer for approval.

Except as otherwise required by law, this manufacturer's warranty is exclusive of all other warranties, including the statutory warranty of hidden defects.

In case of intervention of our services on a breakdown caused by the customer or an incident excluded in the conditions referred to above, the costs of repair and transport shall be invoiced to the customer.

We exclude all liability for indirect damages suffered by the customer, such as, but not limited to, loss of income, turnover, loss of profits, loss of image, of any kind whatever.

## 8. WARRANTY CONDITIONS (continued)

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In all cases, our liability shall be limited to the amount paid by the customer for non-compliant equipment.

Any legal action of the customer against us relating to the warranty of the equipment shall be barred 1 year after the date of discovery of the defect. The customer shall have to prove the date of this discovery.

### **Request for Warranty**

For any request related to the repair of an equipment covered by the manufacturer's warranty, the customer shall have to fill the warranty form, available on our website, under After-Sale Service.

For a full dossier, the following documents shall have to be attached:

- the purchase invoice of the final user
- pictures of the defective parts of the equipment
- a description of the breakdown
- the quote of labor if the customer is certified by EUROMAIR for repairing the equipment

No invoice of labor shall be taken into account without our prior approval.

### **Analysis of the breakdown by our technical department**

A file number shall be given to the customer and an answer shall be provided within 48 working hours after reception, provided that the request for warranty is considered as full.

In the event the equipment is covered by the manufacturer's warranty, we shall confirm the warranty to the customer and send him a quote (without price) detailing the parts to be changed and any comments.

### **Return of replacement parts**

Replacement parts must be ordered with a warranty agreement number and will be made available to the customer at our factory.

The conditions of return of the equipment are detailed in our Delivery terms.

In the case of a warranty claim on an on-board component such as a Kohler, Honda or Vanguard engine in a machine manufactured by us, only the manufacturer of the component is able to validate the warranty coverage.

In this case, the request must be addressed directly to the manufacturer of the component or to its nearest authorised representative. The Euromair, Euromair MPC or Mixer service centres may be considered as the manufacturer's representatives if they are the closest. As this principle also applies to batteries, our supplier Parts Holding Europe, or one of its sister companies, remains your contact for your requests (<https://www.partsholdingeurope.com/>).



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**More information on [www.euromair.com](http://www.euromair.com)**