

# EUROPRO

## USER MANUAL

# DROPPRO 8P & 14P

Ref. 101052 & 101053



**EUROPE PROJECTION** - 228, avenue Olivier Perroy 13790 ROUSSET

Tél : +33 (0)4 42 29 08 96 – Fax : +33 (0)4 42 53 44 36

SAS au capital de 400 000€ - SIREN 394 961 510 – NAF 2892 Z

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# 1. INTRODUCTION

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You just acquired a **DropPro spraying machine** 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 20 years at the service of the users of our machines.

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

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## 2. USER MANUAL

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### 2.1. 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.

### 2.2. 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

## 3. WARNING

### 3.1. 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.

## 3. WARNING (continued)

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### 3.1. SAFETY (continued)



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

### 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.**

## 3. WARNING (continued)

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### 3.2. 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.

### 3.3. 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 to [conseil@euromair.com](mailto:conseil@euromair.com) or +33 4 42 29 08 96.

## 4. YOUR MACHINE

### 4.1. DESCRIPTION

Light and compact spraying machines, easy use, it is ideal to spray:

- **slurry products** (spray plaster, smoothing plaster, texture coating, decorative plaster)
- **fibrous products** (paper pulp, decorative fibre plaster)
- **waterproofing products**
- **thick plastic coatings**
- **cork to spray**



Do not use mortars, lime based fillers, solvent based products, products with a grain thicker than 1,5 mm...

### 4.2. TECHNICAL CHARACTERISTICS

	DropPro 8P	DropPro 14P
Product flow-rate	0 to 12 kg/min	0 to 16 kg/min
Motor power	1,1 kW	1,8 kW
Electrical supply	230 V	230 V
Frequency	50 and 60 Hz	50 and 60 Hz
Motor current	4,7 A	7,55 A
Tank capacity	45 L	57 L
Maximum grain size	1,5 mm	1,5 mm
Maximum pressure	30 bar	30 bar
Minimum pressure	10 bar	10 bar
Pump	MAP 2	MAP 4
Air coupling	quick-connect	quick-connect
Dimensions (L x w x h)	80 x 56 x 84 cm	85 x 56 x 88 cm
Weight	46 kg	60 kg
Delivered with	<ul style="list-style-type: none"><li>- a Ø25 mm x 8 m hose</li><li>- a toolkit containing:<ul style="list-style-type: none"><li>• an ABS spray lance</li><li>• two nozzles n°5 and 6</li><li>• two cleaning balls and a tube brush</li><li>• a 7 mm Allen key</li></ul></li></ul>	<ul style="list-style-type: none"><li>- a Ø25 mm x 10 m hose</li><li>- a toolkit containing:<ul style="list-style-type: none"><li>• an ABS spray lance</li><li>• two nozzles n°5 and 6</li><li>• two cleaning balls and a tube brush</li><li>• a 7 mm Allen key</li></ul></li></ul>

# 4. YOUR MACHINE (continued)

## 4.3. IDENTIFICATION OF THE COMPONENTS

### DROPPRO 8P

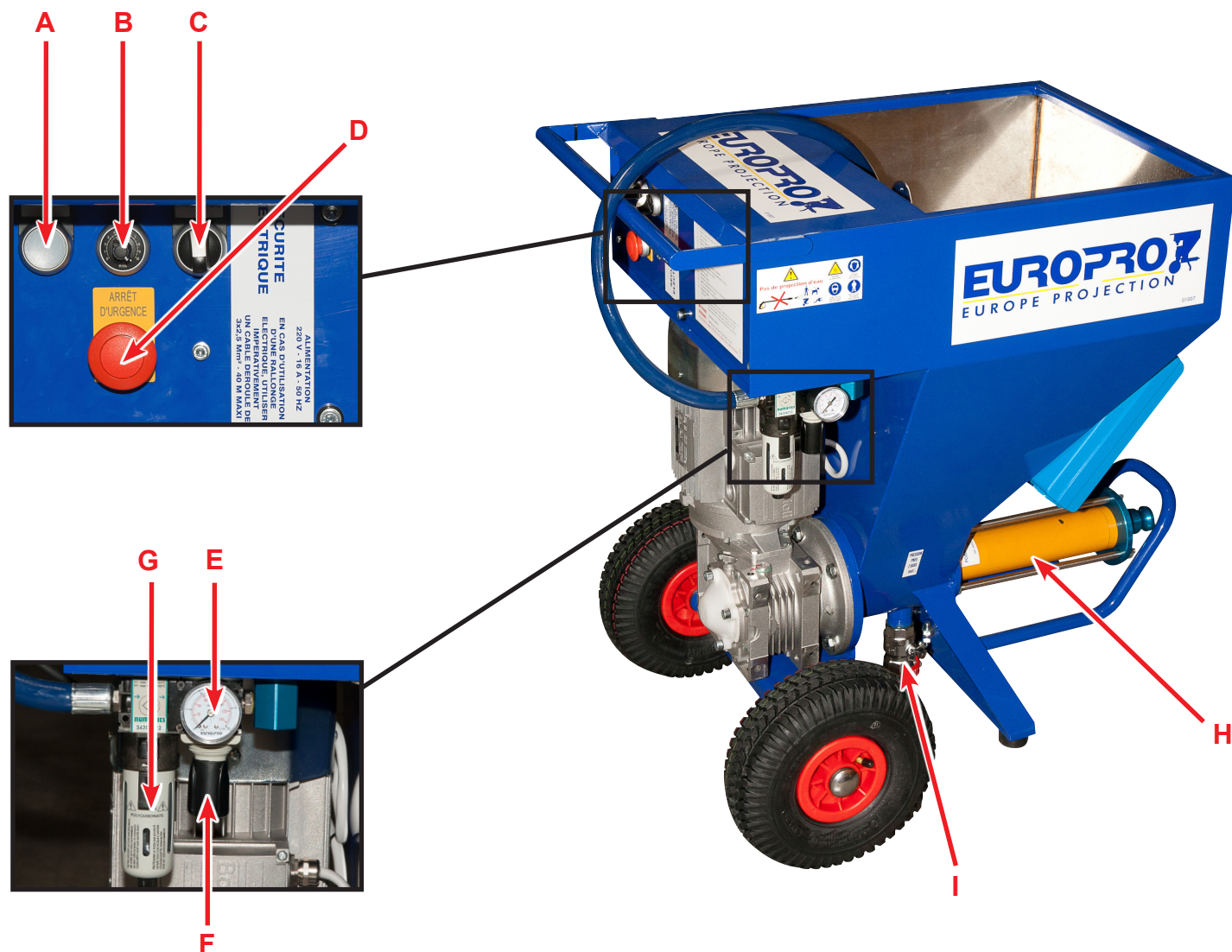


A	ON/OFF button
B	Potentiometer
C	"Manu-Auto" button
D	Emergency stop button
E	Manometer
F	Air regulator
G	Air regulator filter
H	Rotor / Stator
I	Drain valve

## 4. YOUR MACHINE (continued)

### 4.3. IDENTIFICATION OF THE COMPONENTS

#### **DROPPRO 14P**



<b>A</b>	ON/OFF button
<b>B</b>	Potentiometer
<b>C</b>	"Manu-Auto" button
<b>D</b>	Emergency stop button
<b>E</b>	Manometer
<b>F</b>	Air regulator
<b>G</b>	Air regulator filter
<b>H</b>	Rotor / Stator
<b>I</b>	Drain valve

## 5. USE OF THE MACHINE

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### 5.1. PREREQUISITES

- The electric connection has to be 230 V - 16 A - 50 or 60 Hz with a 3 x 2,5 mm cable reel of 40m maximum, completely unreeled.
- After a prolonged standstill, the pump can be blocked. If that is the case, proceed by start and stop. Put some water and storage liquid in the tank and run the machine forward and backward for sequences of 5 seconds. When the motor starts to turn normally, the pump is released. Empty the water in the tank.

### 5.2. STARTING UP

1. Once the machine is connected, connect the air hose on the compressor.
2. Press the "ON/OFF" button (A), the warning light lights up.
3. Remove the nozzle from the lance, then open the lance.
4. Set the flow-rate on 3 with the potentiometer (B).
5. Set the (C) button on "MANU" to check that the machine is working correctly. The drive shaft at the bottom of the tank shall turn.
6. Switch back the (C) button to the "AUTO" position.
7. Pour some product into the tank, then switch back the (C) button to "MANU" position.
8. Wait until the product flows regularly to the lance.
9. Switch back the (C) button to "AUTO" position.
10. Close the lance and replace the nozzle.
11. Connect the air hose to the lance.
12. Switch on the compressor\*.
13. When opening the lance, the machine starts running.
14. Start spraying.

*\*NB: the compressor must be plugged in alone on a 16 A minimum plug with a 3 x 2,5 mm cable reel of 40m maximum, completely unreeled.*

### 5.3. GRAIN SETTING

#### **Large grain**

High product flow-rate (to set from 1 to 10 with the potentiometer (B)).

Low air pressure (to set from 0 to 8 with the air regulator of the compressor).

#### **Thin grain**

Low product flow-rate.

High air pressure.

## 6. 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. Open the drain valve (I) and empty the tank. If needed, add some water to flow out the remaining product.
2. Rinse the tank with water.
3. Close the drain valve, fill the tank with some soapy water and run the machine so the stator can be soaped. (*Caution : never use solvant for this operation because the stator would be deteriorated*).
4. Stop the machine.
5. Dismantle the connector on the lance and on the pump.
6. Put the cleaning ball in the pump nose, then replace the hose on the pump.
7. Turn the machine on to make the ball go through the hose until it comes out.
8. Repeat operations 5 to 7.
9. Stop the machine.
10. Take off the connector on the pump again and flush out the pump nose.
11. Clean the lance and the nozzle.
12. Pour some storage liquid into the tank, according to the recommended dilution on the bottle.
13. Disconnect the machine from the power supply.



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

## 7. DEFECTS AND REMEDIES

Defect	To check	Remedy
Lack of pressure or no pressure.	<ul style="list-style-type: none"> <li>Pressure of the rotor/stator (shall not be lower than 10 bar).</li> </ul>	<ul style="list-style-type: none"> <li>Install a pressure controller.</li> <li>Replace the rotor/stator.</li> </ul>
The droplet thickens.	<ul style="list-style-type: none"> <li>Nozzle clogged or damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Cleaning of the nozzle every 30 minutes of use.</li> <li>Dismantle the nozzle and clean the 3 air holes.</li> <li>Replace the nozzle.</li> </ul>
Automatism does not work.	<ul style="list-style-type: none"> <li>Quick-connector on the lance is clogged up.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the quick-connector.</li> <li>Check the compressor pressure.</li> </ul>
After turning on the machine, it does not run.	<ul style="list-style-type: none"> <li>The machine has to be in automatic mode before it is turned on.</li> </ul>	<ul style="list-style-type: none"> <li>Unplug the machine to cut the electrical supply. Wait for 3 minutes, then turn on the machine with the button on "AUTO".</li> </ul>
The machine heat up and short-circuit.	<ul style="list-style-type: none"> <li>Amperage of the site.</li> <li>The condition, the section, the length of the extension cord.</li> </ul>	<ul style="list-style-type: none"> <li>The length of the extension cord (40m maximum with a 3 x 2,5 mm cross-section) has to be completely unreeled.</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.

## 8. 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 : DropPro 8P or DropPro 14P

**COMPLIES WITH THE ARTICLE:**

- the R.233-73 article of the Labour Code

**THE DIRECTIVES :**

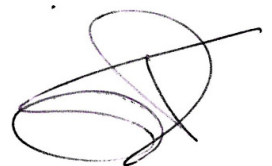
- Machines 2006/42/CE
- Low voltage 2014/35/UE
- CEM 2014/30/UE
- ROHS 2011/65/UE

**AND WITH THE STANDARDS:**

- NF EN ISO 12100
- NF EN 60204-1
- NF EN ISO 13857

ROUSSET, JANUARY 20th 2019

Patrick BOREL  
President



Distributed by : **EUROMAIR DISTRIBUTION**  
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## 9. WARRANTY

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### 9.1. WARRANTY CONDITIONS

Each product is delivered inspected and tested.

We exclude any warranty for visible defects for which the customer did not claim within 48 hours.

The sold equipments are covered by the warranty for the period defined by the manufacturer from the purchase date, onwards the date on the original proof of purchase being valid.

This warranty covers any equipment against any manufacturing or material defect for normal use and service.

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

Are expressly excluded from the warranty the defects coming from:

- a bad use
- the application of abrasive or corrosive products
- an inappropriate installation
- negligence
- an insufficient maintenance or cleaning
- chemical, electrochemical or electric influences
- any change in the normal process of use

The following wearing parts are not covered by the warranty:

- 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

The warranty also excludes the equipments:

- 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 equipments are covered by a warranty (parts and labour) of 12 months following the purchase.

The duration of this warranty can be extended by 6 months by completing the warranty extension form on our website within 4 weeks after purchasing: [www.euromair.com](http://www.euromair.com) (section «Warranty»)

The defective equipments must be sent at the customer's charge in the place we shall have specified him. The warranty will be subject to the presentation of the invoice. Then we will be able to proceed, free of charge, to the repair of the defective equipment.

The equipments repaired (under warranty) will be shipped free of charge to the customer during the first year of warranty.

Beyond this date, the transport of the repaired equipment will be chargeable to the customer.

In case of intervention of our services on a breakdown caused by the customer or a breakdown excluded in the above-mentioned conditions, the costs of repair and transport will be charged to the customer.

We exclude any responsibility for any consequential damages suffered by the customer, such as, but this without restriction, the losses of income, turnovers, loss of image, of whatever nature.

In any case, our responsibility will be limited to the amount paid by the customer for the defective equipments.

Any action of the customer against us relative to the warranty of the equipments will be prescribed to the deadline of 1 year from the day of the discovery of the cause of the action.



## 9. WARRANTY (continued)

### 9.2. CERTIFICATE OF WARRANTY

**IT IS COMPULSARY TO RETURN THIS DOCUMENT DULY COMPLETED  
BY E-MAIL : [contact@euromair.com](mailto:contact@euromair.com) OR BY FAX : +33(0)4 42 53 44 36**

#### **IMPERATIVE**

The manual must be provided to the user of the equipment.  
It must be read before starting up the machine.  
For any intervention under warranty, the purchase invoice must be presented.

#### **WARRANTY**

Each product is delivered inspected and tested.  
Moreover, it is guaranteed for 12 months from the date of purchase.  
This guarantee only applies if the buyer respects the safety regulations, contractual and administrative standards and if the use was in conformity with the instructions present in the user manual.

Based on this warranty, the manufacturer will repair or replace free of charge any part that can deteriorate itself or be defective during this period.  
The "final judgment" rests solely with our After-Sale Service technicians.

The guarantee does not cover parts which, because of their specific use, are subject to wear and tear.

If the identified defects could not be attributed to our liability, costs will be charged to the buyer.

**MODEL :** DropPro 8P or DropPro 14P spraying machine

**SERIAL NUMBER :**

**DELIVERY NUMBER :**

Rousset, dated

Signature of the dealer

Signature of the final user

Stamp of the final user

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