

EUROPRO

USER MANUAL EUROPROLAV 22-500 TH

Ref. 30548



VANGUARD
COMMERCIAL POWER 

EUROPE PROJECTION - Z .I. Rousset Parc Club - 343, avenue Francis Perrin - 13106 Rousset sur Arc Cedex
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SAS au capital de 400 000€ - SIREN 394 961 510 – NAF 2892 Z

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1. INTRODUCTION

You just acquired an **EUROPROLAV 22-500 TH washer** 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

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.
- 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.
- Maintain the equipment carefully and clean it properly after every use.
- 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 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.



To use, this washer requires safety clothing

PROTECTION CLASS 5/5/3

500 bars rotating nozzle / 7500 PSI

500 bars flat spray / 7500 PSI

300 bars round spray / 7500 PSI

CE 89/686/EEC

3. WARNING (continued)

3.1. 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 (genuine parts) with maximal pressure characteristics adapted to the machine.
- Do not try to fix a hose when it is defective.
- 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.



The machine shall not be kept in an area in which the temperature is lower than 0°C as it might risk freezing the water remaining in the pump.

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

3.2. END-OF-LIFE OF THE MACHINE



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.

For any further information, please contact our hotline to **conseil@euromair.com** or **+33 (0) 4 42 29 08 96**.

4. YOUR WASHER

4.1. DESCRIPTION

The powerful, robust **EUROPRO 22-500 TH** is the most powerful in the EUROPRO range.

It is equipped with a belt transmission pump, and is suitable for intensive use on all types of jobs.

The 22-500 is equipped with a thermostat valve, a low oil safety system, a rotating coupling spray-gun and a single lance.

4.2. TECHNICAL CHARACTERISTICS

Motor	Vanguard
Variable pressure	0 to 500 bar
Flow-rate	22 L/min
Nozzle	15-40 tungsten carbide
Motor power	34 HP
Fuel used	unleaded 95-98
Tank capacity	32 L
Consumption	10 L/h
Lubrication	under pression
Pump	3 ceramic pistons, brass head
Pump rotation	1750 RPM
Transmission	belt drive
Max. water temperature	70°C
Lance	single
Rotating nozzle	yes
Hose	60m - 600 bar
Dimensions (L x w x h)	109 x 70 x 85 cm
Weight	160 kg

4. YOUR WASHER (continued)

4.3. IDENTIFICATION OF THE COMPONENTS OF THE WASHER



Designation	
1	Motor
2	By-pass
3	Wheel
4	Wheel clip
5	High pressure hose
6	Lance
7	Starting key

5. USE OF THE WASHER

5.1. PREREQUISITES

- The connection to the water supply has to be on a source with a sufficient flow, with a hose of Ø19 minimum connected on the male quick-connector of the pump.
- The high pressure hose must be connected to the connector of the pump by-pass.
- The motor must necessarily be stopped during the filling of the fuel tank.



Before each utilization of the atomizer, verify the oil levels of the pump and motor, using the gauges provided.

- Never run the washer without water supply at the risk of damaging the pump seriously.
- The temperature of the water used shall not exceed +60°C.



Do not use the washer neither in a closed room, nor in a space where the temperature is under 0°C.



Never run the motor if the belt protection cover is removed.

5.2. STARTING-UP

1. Control the oil level.
2. Connect the washer to the water supply, then open the water supply completely.
3. Press the trigger of the lance, the water flows out of the nozzle in low pressure.
4. Release the trigger.
5. After having made sure that the tank is filled with fuel, turn the key to the START position to run the motor and let it warm up a few moments.
6. The washer is ready to be used.
7. The automatic accelerator speeds up the motor when the trigger is pressed.
8. When the trigger is pressed, the washer will rise gradually in pressure up to 500 bars.

Motor stop

Put the key on the OFF position and cut the fuel supply.



After every stop of the motor, it is important to evacuate the pressure remaining in the hose. To do so, press the trigger of the lance.

6. FAILURES AND REMEDIES



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

Problem	Cause	Solution
Abnormal oscillations of pressure	Lack of water at the supply.	Verify the water supply.
	The pump sucks air.	Control the suction hoses.
	Water supply filter used, dirty or blocked.	Clean or change the filter.
The pump runs without reaching the necessary pressure	Inappropriate or worn nozzle.	Change the nozzle.
	Worn gaskets.	Change the gaskets.
Pressure drops	Worn nozzle.	Change the nozzle.
	Valve used.	Contact the after-sale service.
	Dirty water supply filter.	Clean the filter or change it.
	Worn or blocked by-pass.	Clean the by-pass or change it.
Abnormal noise	Air suction.	Control the suction hoses.
	Worn or dirty by-pass.	Contact the after-sale service.
	Worn bearings.	
Oil leak	Worn oil-proofing gaskets.	Contact the after-sale service.
Presence of water in the oil	Worn oil-proofing or waterproofing gaskets.	Contact the after-sale service.
Water leak at the lance	Worn gaskets.	Contact the after-sale service.

If the problem persists or if in doubt about the correct working of the machine, do not try to repair the machine yourself or to dismantle it.

Contact an authorized After-Sale Service or our hotline on : **+33 (0) 4 42 29 08 96**.

7. DECLARATION OF CONFORMITY

THE MANUFACTURER : EUROPE PROJECTION
Z.I Rousset Parc Club
343 bd Francis Perrin
13106 ROUSSET CEDEX

DECLARES THAT THE EQUIPMENT DESIGNATED BELOW :

Trademark : EUROPE PROJECTION

Type : Thermal high pressure washer

Model : EUOPROLAV 22-500 TH

COMPLIES WITH THE ARTICLE:

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

THE DIRECTIVES :

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

AND WITH THE STANDARDS:

- **NF EN ISO 12100**
- **NF EN 1829-1**
- **NF EN 1829-2**

ROUSSET, APRIL 20th 2014

Patrick BOREL
President



Distributed by : EUROMAIR DISTRIBUTION
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SAS au capital de 40 000€ - SIREN 444 797 310 000 – NAF 4673 B

8. WARRANTY

8.1. WARRANTY CONDITIONS

- The manufacturer guarantees the products in case of a defect in design or manufacture for a period of 12 months from the date of invoice.
- The wearing parts are excluded from the warranty.
- Any warranty intervention must be exclusively performed by the manufacturer or an authorized After-Sale Services.
- The shipping of any product to the manufacturer, for whatever the type of warranty service, is subject to its acceptance.
- The warranty covers the free of charge repair or the replacement of the defective components identified by our technicians.
- The warranty is void in case of damages caused by an accident, resulting from negligence, an incorrect use or installation, improper or not in accordance with the warnings contained in the user manual.
- The warranty is also void in case of modification or repairs performed by unauthorized staff.
- The warranty excludes any type of compensation in case of damage to persons or problems caused by incorrect or inappropriate use.
- This warranty will be applied only to buyers who have complied with the contractual and administrative standards and will be able to present a specific documentation mentioning the date of purchase.
- This is the only valid warranty recognized by the manufacturer. No one is allowed to deliver another one, oral or written, or modify its terms.



All our terms of sales and shipping are available on our **general catalogue of the ongoing year** and also on our website **www.euromair.com**.



8. WARRANTY (continued)

8.2. WARRANTY CERTIFICATE

**IT IS COMPULSARY TO RETURN THIS DOCUMENT DULY COMPLETED
BY E-MAIL : 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 : EUROPROLAV 22-500 TH thermal high pressure washer

SERIAL NUMBER :

DELIVERY NUMBER :

Rousset, dated

Signature of the dealer

Signature of the final user

Stamp of the final user

Distributed by : EUROMAIR DISTRIBUTION

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