

# INSTRUCTION AND MAINTENANCE MANUAL

## RAM OIL 250



### ORIGINAL INSTRUCTIONS

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PERFORMANCE ON VACUUM SINCE 1972

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## 1 INFORMATION SECTION

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### 1.1 INTRODUCTION

Dear Customer

Thank you for choosing DEPURECO and purchasing a DEPURECO DV AIR vacuum cleaner from the RAM OIL 250 Series

We have prepared this manual so that you can appreciate the quality of this machine.

Please read it through before using the vacuum cleaner for the first time.

It contains information, tips and important warnings on using the vacuum cleaner so that you can take full advantage of the technical qualities of your machine.

Please read the messages, warnings and indications, preceded by symbols, very carefully:



**for the safety of people;**



**for the integrity of the vacuum cleaner;**



**for the protection of the environment.**



This vacuum cleaner is designed to vacuum oils, refrigerated liquids, emulsions and chips and to return the filtered liquids back into the machine. It is equipped with an electrically operated level sensor that stops suction when the liquid level reaches the preset maximum limit, and with an internal pump to expel the sucked liquids.

The vacuum cleaner is mounted on sturdy wheels, two of which are fitted with brakes for locking it in place.

This manual describes the following models:

## RAM OIL 250

The vacuum cleaner is fitted with the following filters:

- oil-repellent cartridge**
- washable filter**

This manual provides all of the information needed to use your vacuum cleaner and carry out maintenance on it.

This specific model has undergone strict testing to ensure maximum reliability; its smooth operation and long-lasting service life will depend on good maintenance and careful use.

This manual is an integral part of the vacuum cleaner and must accompany it throughout its service life, until it is scrapped.

If it is lost or damaged, ask DEPURECO INDUSTRIAL VACUUMS S.r.l. (hereinafter simply known as DEPURECO) for a replacement copy.

The technical information in this manual is owned by DEPURECO and must be considered confidential.

Reproduction, even partial, of the graphic design, text and illustrations is prohibited by law.

Some details shown in the illustrations in this manual may differ to those of your vacuum as some components may have been removed to ensure the utmost clarity of said illustrations.



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For ease of reference, this manual has been divided into sections identifiable by a specific graphic symbol

The topics covered in this manual are those expressly required by Machinery Directive 2006/42/EC and the technical data given are from the technical file archived at DEPURECO.

In relation to Regulation 1907/2006/EC (REACH), DEPURECO declares that its products do not contain any of the Substances of Very High Concern (SVHC) included in the Candidate List.

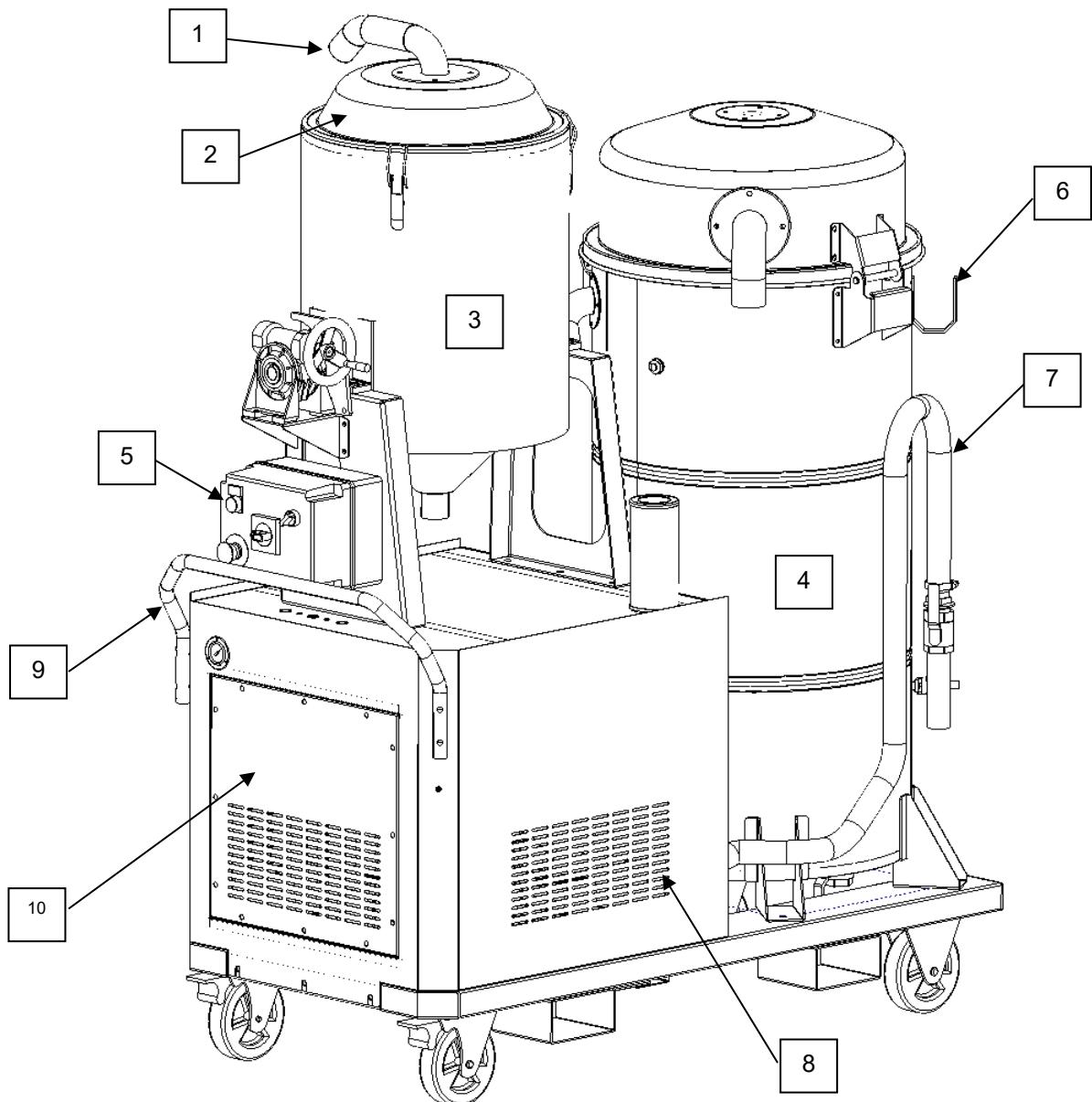
This manual must be kept in a place that is accessible to all vacuum cleaner operators and maintenance staff. The Court of Turin (Italy) has jurisdiction for all disputes.



**The manual must accompany the vacuum cleaner if it is resold!**



## 1.2 IDENTIFICATION OF THE MAIN PARTS



1. Suction nozzle
2. solid waste container cover
3. solid waste container
4. liquid tank



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- 5. electrical control panel
- 6. hose hook
- 7. drain hose with valve
- 8. liquid expulsion pump (inside box)
- 9. handle for vacuum handling
- 10. suction pump (inside box)

### 1.3 OPTIONAL PARTS

Based on the application of the vacuum cleaner, a wide range of other optional accessories is available from DEPURECO.

### 1.4 MANUFACTURER'S IDENTIFICATION DATA

#### **DEPURECO INDUSTRIAL VACUUMS S.r.l.**

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## 1.5 IDENTIFICATION PLATE

For any communication with the manufacturer or the dealer, always specify the data given on the vacuum cleaner's identification plate.



## 1.6 INTENDED USES

This vacuum cleaner model has exclusively been designed, constructed and protected for professional industrial use for the vacuuming of dry and/or wet, non-flammable and non-harmful dust and chips.

Any other use is considered **IMPROPER**.

## 1.7 PERMITTED ENVIRONMENTAL CONDITIONS

To ensure that the vacuum cleaner works properly, it must be placed where it is protected from adverse weather (rain, hail, snow, fog, suspended dusts, etc.), where the ambient temperature is between 5° and 45°C and the humidity is no higher than 70%.

The working environment must be clean, sufficiently bright and free of potentially explosive atmospheres.



## 1.8 NOISE LEVEL

The phonometric tests carried out on this specific model of vacuum cleaner show a sound pressure level of

RAM OIL 250

72 dB(A)



**Caution!**

**For sound pressure levels higher than 85 dB(A), exposed workers must be protected by appropriate personal protective equipment (PPE), such as approved ear defenders.**



**For these conditions, workers must be trained and informed on the risks resulting from exposure to noise.**



## 1.9 TECHNICAL DATA

Characteristic	Unit of Measurement	RAM OIL 250
<b>Weight*</b>	<b>Kg</b>	220
<b>Overall dimensions** L x W</b>	<b>mm</b>	850X1550
<b>Overall dimensions** H</b>	<b>mm</b>	1780
<b>Power supply voltage</b>	<b>V - Hz</b>	400 – 50/60
<b>Power</b>	<b>kW - HP</b>	3.0 – 4.0
<b>Maximum depression</b>	<b>mbar</b>	290
<b>Continuous vacuum</b>	<b>mbar</b>	260
<b>Air flow rate</b>	<b>m<sup>3</sup>/h</b>	320
<b>Noise level</b>	<b>dB (A)</b>	72
<b>Suction inlet diameter</b>	<b>mm</b>	50
<b>Tank capacity</b>	<b>L</b>	250
<b>Hopper capacity</b>	<b>L</b>	70

(\*) weight without packaging - packaging weight = 18 Kg

(\*\*) machine dimensions without packaging

## 1.10 WARRANTY

DEPURECO guarantees this vacuum cleaner model for 12 months from the date of purchase, which is indicated on the tax document provided when the product is delivered.

The warranty becomes null and void if the vacuum cleaner has been repaired by unauthorised third parties or if equipment, accessories or components not supplied or not authorised by DEPURECO are used or if the serial number is removed (during the warranty period).

DEPURECO will repair or replace free of charge those parts or components that are proved, within the warranty period, to have manufacturing defects.

The repair is carried out solely at our premises or at an Assistance centre indicated by us and must be received carriage paid (transport costs to be borne by the user, unless otherwise agreed).

The warranty does not cover cleaning of working organs.

The purchase tax document must be presented to authorised technical staff who will do the repair or it must be sent with the vacuum cleaner.

Defects not clearly attributed to material or manufacturing will be examined solely at our premises or at a Technical Assistance Centre indicated by us.

If the complaint proves to be unjustified, all costs for repair and/or replacement of parts will be charged to the buyer.

The following are excluded from the warranty: accidental damage due to transportation, neglect or inadequate handling, improper use, failure to comply with the warnings in this manual or resulting from phenomena not dependent on normal use/operation of the vacuum cleaner.

DEPURECO is not liable for any damages to people or property caused by poor or imperfect use of the vacuum cleaner.

The Court of Turin (Italy) has jurisdiction for all disputes.



**To take advantage of the warranty, photocopy the form on the last page of this manual, fill in all parts (preferably in block letters), and send it to DEPURECO by fax to this number +39 011 9859 326**



*In caso di dubbi non interpretate!  
Telefonate immediatamente al Vostro rivenditore.*



## 2 SAFETY SECTION

### 2.1 INFORMATION REGARDING SAFETY



Pursuant to Italian Legislative Decree 81/08 as amended, the Safety Manager must inform and train workers on the risks associated with using the vacuum cleaner, so that they are able to protect their own safety and that of others.

Failure to observe the basic safety rules or precautions can cause accidents during use, maintenance or repair of the vacuum cleaner. An accident can often be avoided by recognising potentially dangerous situations before they actually occur. Adequate training is a fundamental requirement.

DEPURECO will not be held liable for any accidents or damages resulting from the vacuum cleaner being used by untrained staff or being used improperly, or from failure to observe, even partially, the accident prevention regulations and intervention procedures in this manual.

Safety precautions and warnings are indicated in this manual and on the product itself.

If these danger messages are ignored, the operator can have an accident with serious consequences for himself and for other people.

Security messages are highlighted with the following symbols:



**Caution!**

**These messages, if not observed, could cause harm to the operator.**



**Caution!**

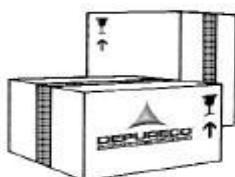
These messages, if not observed, could cause damage to the vacuum cleaner.



**Caution!**

These messages, if not observed, could cause damage to the environment.

DEPURECO carefully designs and manufactures the appliances and their accessories, identifying and compensating for all possible risks associated with use. If tools, procedures, work methods or working techniques not explicitly envisaged by DEPURECO are used, you must ensure beforehand that there are no dangers for yourself or for others, even so, DEPURECO will not be held liable.



**Utilizzate esclusivamente ricambi originali DEPURECO**

La Depureco declina ogni responsabilità per l'uso di ricambi non originali.

## 2.2 SAFETY REQUIREMENTS



**Caution!**

The instructions below play an important role to completely protect against all of the dangers that can be incurred when operating the vacuum cleaner. However, they cannot be separated from the competence and common sense of the operator, as an overall framework for careful prevention of accidents.

**Each section contains a list of additional safety requirements specific for the different operations.**



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# CAUTION!

- The use of this vacuum cleaner can only be used by adults who are adequately trained.
- This vacuum cleaner is suitable for industrial use, e.g., factories, warehouses, and workshops.
- Make an electrical connection to an efficiently earthed network.
- This vacuum cleaner is not intended for use in corrosive or explosive environments.
- Keep the vacuum cleaner clean of foreign materials such as debris, oil, tools and other objects that could damage operation and cause personal injury.
- Avoid using flammable or toxic solvents such as petrol, benzene, ether and alcohol for cleaning.
- Avoid prolonged contact with solvents and inhalation of their vapours.
- Avoid use near open flames or heat sources; ensure adequate ventilation.
- Use the vacuum cleaner without the mist filter.
- Do not vacuum lit cigarette butts. You could ignite the safety filter.
- Do not vacuum petrol or flammable liquids in general.
- Ensure that all guards and protections are in place and that all safety devices are present and efficient.
- Do not use the vacuum cleaner on uneven or sloping surfaces
- Do not wear loose or dangling items of clothing such as ties, scarves, and torn clothing that could get stuck or caught in the vacuum cleaner.
- Do not move the vacuum cleaner by pulling it by the power cable
- Extension cords, plug-in connection devices and adapters are not permitted.
- Do not remove the hopper cover when the vacuum cleaner is in operation
- It is forbidden to climb on the vacuum cleaner.
- Do not touch electrical wires, switches, buttons, etc. with wet hands.



- Check the integrity of the power cable periodically.
- During use of the industrial vacuum cleaner, some components (motor terminal board, motor housing in particular) can reach high temperatures.
- During the operations to restore original working conditions, the personnel in charge must check that at the end of the operating procedure, the normal safe operating conditions of the vacuum cleaner and in particular the safety devices and protective guards affected by the operation are again ensured.
- In case the Customer installs a tool which has not been supplied by DEPURECO on the vacuum cleaner, it is necessary to check that the safety conditions, as required by the Machine Directive 2006/42/CE, are maintained; in any case, DEPURECO shall not be held responsible for any inconvenience resulting from the use of such a part.
- Structural damage, modifications, alterations or improper repair can change the protection capability of the vacuum cleaner thus cancelling this certification and excluding any liability by DEPURECO.
- This manual must always be on hand for consultation on the expected operating cycle and whenever any doubts arise.
- If it is lost or damaged, you must ask DEPURECO for a replacement copy.

**Caution!**



**This vacuum cleaner may contain liquids that are harmful to health.**

**Chamber emptying procedures and maintenance should only be carried out by trained personnel wearing appropriate protective equipment.**

**Never operate the vacuum cleaner without a complete filtration system.**



## 2.3 PLATES AND SAFETY SYMBOLS

Plates bearing safety symbols and/or messages are applied to the vacuum cleaner and the packaging.

Their exact location and the nature of the danger are given on these pages.



### **Caution!**

**Make sure that all safety messages are clearly legible.**

**Clean them with a cloth, soap and water. Do not use solvents, naphtha or petrol.**

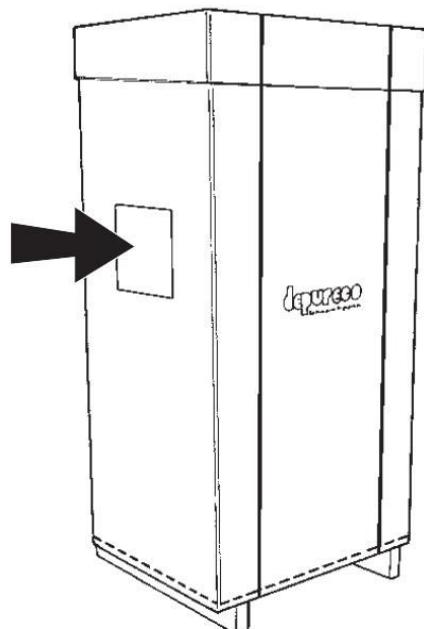
**Replace damaged plates asking DEPURECO for new ones.**

**If a plate is on a part being replaced, make sure that a new plate is affixed to the new part.**



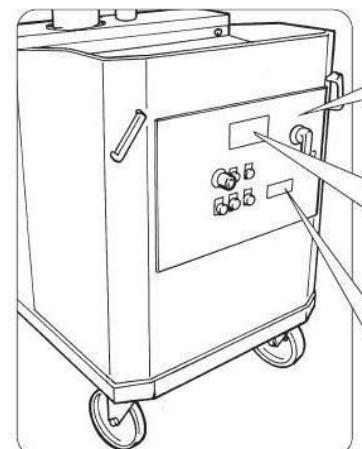
**Caution!**

**Carefully read the instruction and maintenance manual before using the vacuum cleaner or carrying out maintenance**



**Caution!**

**Carefully read the instructions on the packaging before handling and unpacking the vacuum cleaner**





## 2.4 RESIDUAL RISKS

DEPURECO recommends strictly following the instructions, procedures, recommendations in this manual and the current safety standards. Furthermore, DEPURECO recommends using the protective devices provided, both those built into the vacuum cleaner and personal ones.

With this in mind, the residual risks analysed on the vacuum cleaner and/or on its components can be:

### **Electrical risks when carrying out maintenance due to the need to operate with live voltage**

Pursuant to Italian Legislative Decree 81/08 - articles from 80 to 87 - it is forbidden to operate with live voltage, except under the exceptions provided for by said decree.

### **Risk of improper use in the presence of liquid, explosive and flammable substances**

The vacuum cleaner must not be used in an environment containing liquid substances or substances in the form of liquids that can vaporise at room temperature, flammable dusts, gases.

### **Risk of operation in a humid environment**

Observe the limits given in this manual in chapter 1.5 "Permitted environmental conditions".

### **Risk of misunderstanding the safety pictograms**

With reference to the risk analysis and identification, DEPURECO has affixed danger labels to the vacuum cleaner taken from the legislation relating to graphic symbols.

The user is required to immediately replace any safety plates that become illegible due to wear or damage.

#### **Caution!**



**It is strictly forbidden to take the safety plates off the vacuum cleaner and/or its components and off the packaging.**

**DEPURECO disclaims any liability for the safety of the vacuum cleaner in the event of failure to comply with this prohibition.**



## 2.5 DIRECTIVES APPLIED

The following directives are applied to the vacuum cleaner described in this manual:

- 2006/42/CE      Machinery directive
- 2014/30/UE      Electromagnetic compatibility directive
- 2011/65/UE – ROHS      Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment

The regulatory references, including mandatory requirements, are managed in the Quality Management System and archived at DEPURECO



## 3 HANDLING, UNPACKING AND INSTALLATION SECTION

### 3.1 HANDLING



#### Caution!

The instructions on how to transport and unpack the vacuum cleaner correctly are indicated on the packaging as well.

The following instructions also indicate the operations to be carried out if the vacuum cleaner needs to be repacked or unpacked for subsequent transport.



The vacuum cleaner must be lifted and then handled by a forklift truck of adequate capacity to withstand the weight.

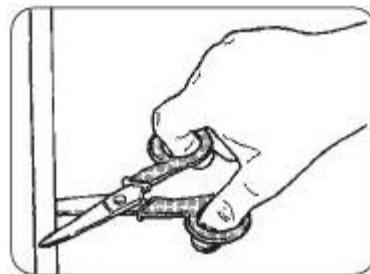
When moving it with a forklift truck, lift the load 200 mm off the ground and swing backwards.

When lifting the load, take into consideration the height of the work environment.

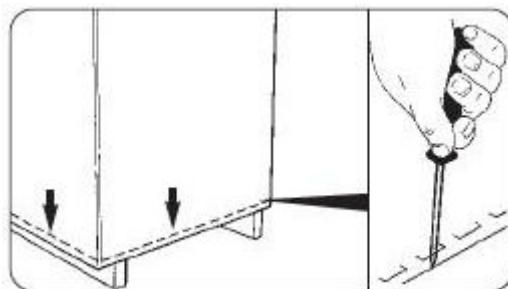
Before starting to move, make sure that the passageway is clear and there are no moving objects on the packaging. For lifting and handling, apply the accident prevention laws in force and the normal handling instructions for forklift trucks.

### 3.2 UNPACKING

- Cut and remove the two bands fastening the packaging



- remove, with the help of a screwdriver, the points that secure the cardboard packaging to the pallet (where applicable)



- completely remove the cardboard (where applicable)





The cardboard packaging is recyclable and, in order reduce environmental impact, it is recommended it be separated from other waste.



**Caution!**

**Maintain the pallet and fixing brackets.**

**For any subsequent transport, the vacuum cleaner must be anchored to the pallet using the same locking system.**

### 3.3 INSTALLATION

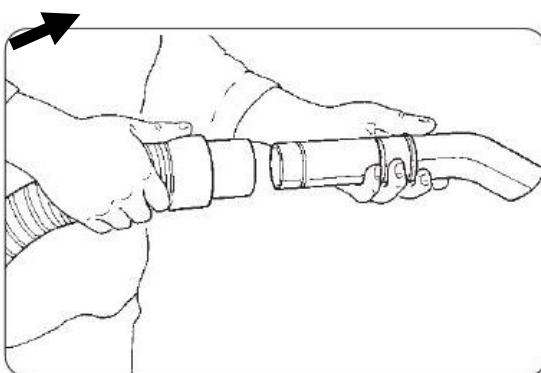


**Warning!**

**Before installing the vacuum cleaner, visually inspect it to see if any damages were incurred during the transport phases.**

If any of the components are damaged, it is essential not to continue with installation but to report the anomaly found to DEPURECO and reach an agreement on the actions to be carried out.

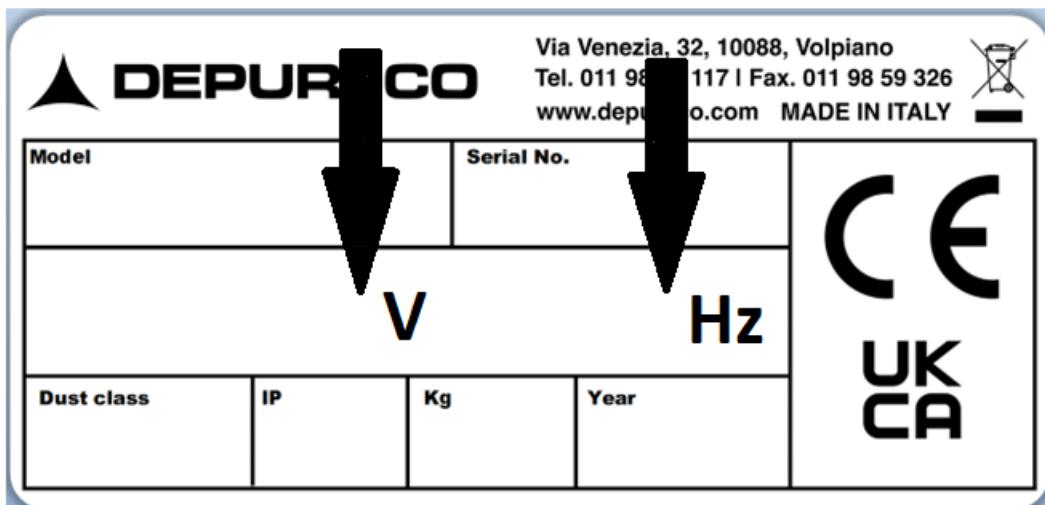
- insert the appropriate accessory for the type of vacuuming from the opposite side of the flexible hose.



Note: the hose with its terminals and suction accessories are not included in the STANDARD equipment. Contact your dealer (or DEPURECO) for information on the different types of OPTIONAL accessories that can be used for this specific vacuum cleaner model.

**The following operation must be carried out by an electrician.**

Check that the power supply line corresponds to the voltage and frequency indicated on the vacuum cleaner's nameplate and that it is efficiently earthed.



The socket for supplying power to the vacuum cleaner must be protected by a mains disconnector switch in accordance with CE standards.

Finally, insert the plug (supplied as standard) into the socket.



**Caution!**

**Do not push the plug into the socket with wet hands.**

**Extension leads are prohibited.**



## 4 OPERATION SECTION

### 4.1 DESCRIPTION OF THE CONTROLS

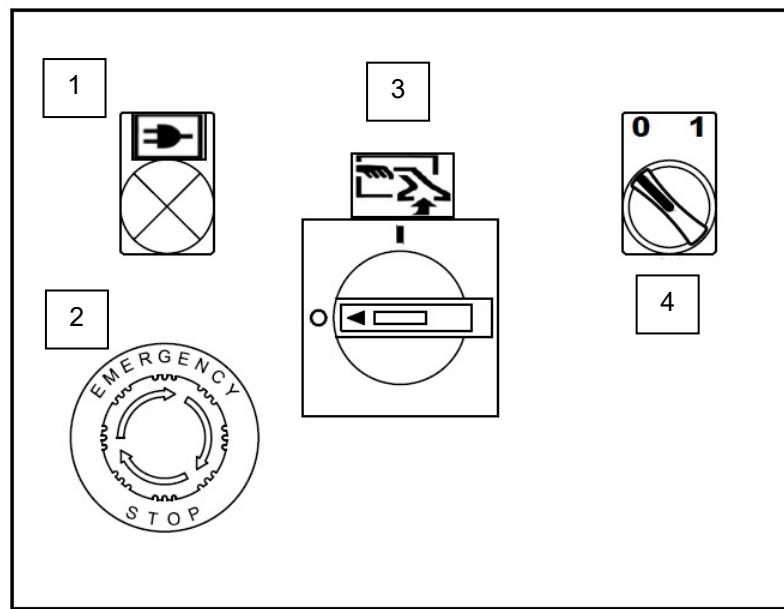
#### Caution!



Only authorised staff who have read these use and maintenance instructions are allowed to use the vacuum cleaner.



The appliance user and the maintenance technician who carry out the permitted operations on the vacuum cleaner must receive appropriate information and training, as required by current laws on safety in the workplace, and wear the personal protective equipment (PPE) provided for the different operations, such as safety footwear, gloves, safety goggles, mask, etc. The user must adhere to the current provisions for vacuumed materials and their disposal.



1. White light: VOLTAGE PRESENCE
2. Red mushroom button: EMERGENCY STOP
3. I/O switch: LIQUID SUCTION START/STOP
4. I/O switch: LIQUID EXPULSION START/STOP



## 4.2 WORK CYCLE

Ensure that the power cable is undamaged and in perfect condition.



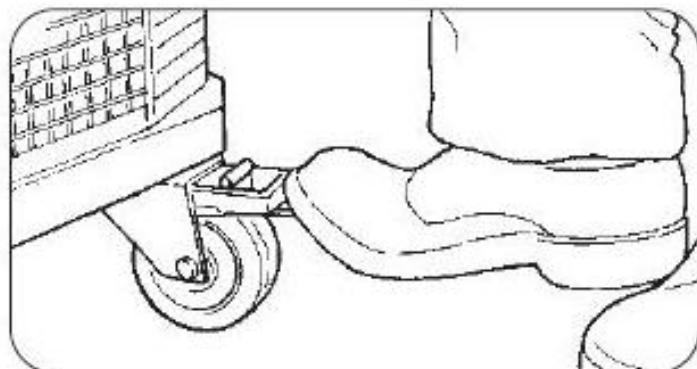
### Caution!

**Before plugging in, make sure that the voltage of the power supply line corresponds to the voltage indicated on the nameplate of the vacuum cleaner.**

Make sure that the power plug is inserted correctly into the power socket and make sure that the white indicator light (1) VOLTAGE PRESENCE is on. If it does not switch on, this means that the machine's electrical panel is not powered.

Make sure that the hose is regularly inserted and locked in the appropriate suction nozzle. (detail no. 1, par. 1.1)

Lock the vacuum cleaner by means of the lever on the swivel wheels, as shown in the figure.



### Caution!

**Do not move the vacuum cleaner while it is in operation.**



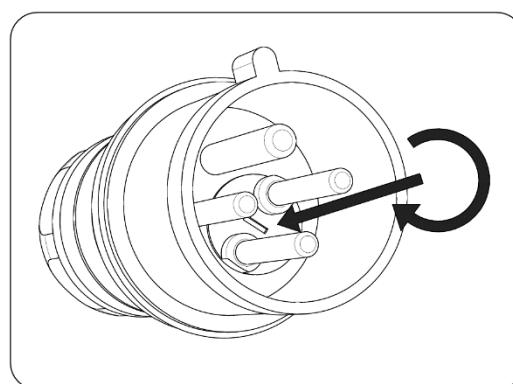
**To proceed with the suction of liquids, proceed as follows:**

- ensure that the drain valve at the end of the drain hose (detail no. 7, par. 1.1) is in the closed position (see image below)

- Grip the end of the hose with the suction attachment of your choice.
- Turn the switch (3) LIQUID SUCTION START/STOP to 'I',
- To stop suction, turn the switch (1) to "O".

If, after turning the switch (3) to 'I', the machine does not suck in but blows air, this means that the plug power phases are incorrect.

To reset the power phases, turn switch 'O', unplug the plug from the power socket, and insert a screwdriver into the notch on the inside of the plug and reverse two poles with a rotation of 180°.





### Warning!

**Before turning on the vacuum cleaner again, make sure that the pump has stopped completely.**

Use the special hose, fitted with original Depureco accessories, to start suction.

At the end of this operation, wait 3 to 5 seconds before stopping the vacuum cleaner. In this way, the hopper will be completely free of residual liquid.

During suction, when the maximum level of suctioned liquid is reached, the machine will automatically stop suctioning; consequently, it will be necessary to proceed with the expulsion of the liquid from the tank.

For the expulsion of liquids, the vacuum cleaner is equipped with a dedicated expulsion pump (detail no. 8, par. 1.1) located inside the tank.

**To expel liquids**, proceed as follows:

- turn the switch (3) to 'O'.
- press the lever (5) as shown in the figure

5



- To start liquid ejection, turn switch (4) LIQUID EXPULSION START/STOP to "I".
- to interrupt expulsion, turn the switch (4) to 'O'.



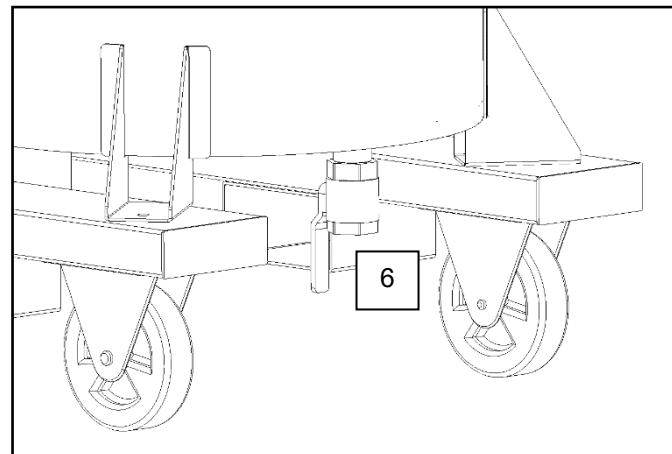
During the liquid expulsion phase, when the minimum liquid level inside the tank is reached, the machine will automatically stop the expulsion.

To proceed with liquid suction, turn the switch (4) to "O" and proceed as indicated above.

It is possible to use the vacuum cleaner continuously, so it will be possible to expel liquid from the tank during the suction phase.

If necessary to interrupt the suction/ejection of liquids, press the red mushroom button (2) EMERGENCY STOP

For convenience, wrap the exhaust hose around the hook (detail no. 6, para. 1.1) and use the handle (detail no. 9, para. 1.1) on the side of the tank to move the vacuum cleaner.



The residual liquid can be conveniently expelled through a ball valve [6] located on the lower portion of the liquid collection chamber.



**Caution!**

**Close the ball valve before proceeding with suction again.**



**Caution!**

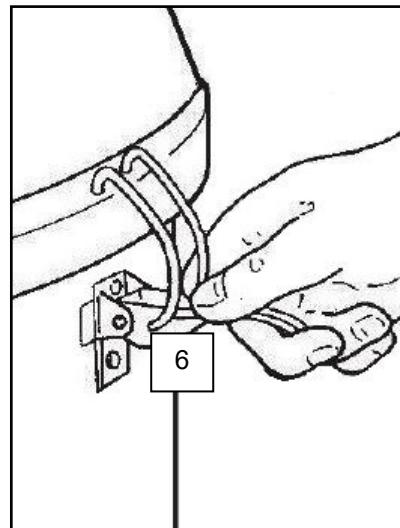
**Do not use the vacuum cleaner in liquid expulsion mode with the exhaust valve closed.**

**In this condition, failure to expel liquids could damage the drain pump.**

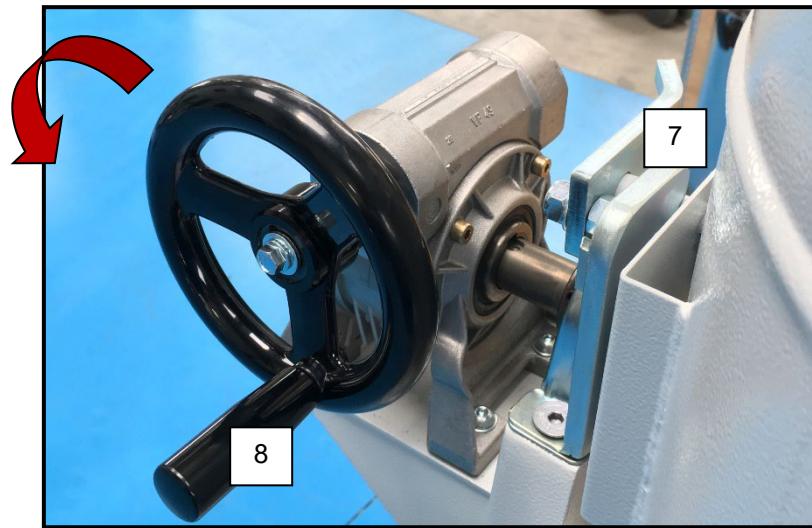
#### 4.3 EMPTYING THE SOLID WASTE CONTAINER

To empty the solid waste container, make sure the machine is not running and proceed as indicated below:

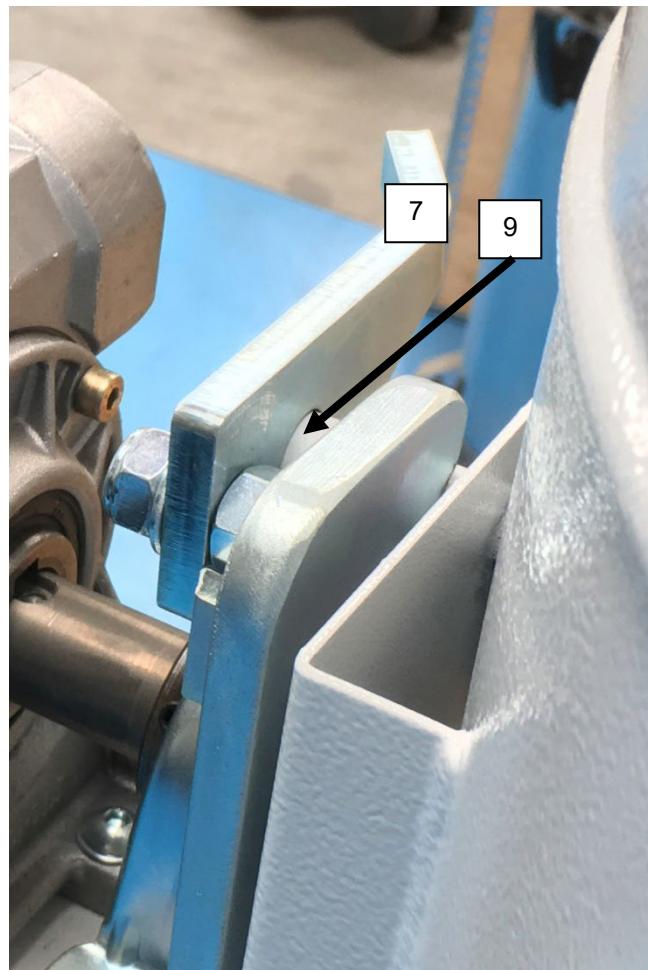
- release the two hooks (6), gently lift the container cover (detail no. 2, para. 1.1)



- Remove the solid residue of the suctioned liquid. For greater convenience in emptying, the container can be rotated by 90°. To rotate, lift the safety hook (7) and turn the dedicated handwheel (8) anticlockwise as shown in the figure below



- On completion of the removal, the container must be returned to its initial position by turning the handwheel (8) clockwise. When reaching the starting position, ensure that the container pin (9) is locked under the safety hook (7)





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#### 4.4 STORAGE - DECOMMISSIONING

Remove the oil-repellent filter, empty and clean the tank of any liquid residue inside it and store the vacuum cleaner in a place sheltered from the weather with temperatures between 0° and 40°C, covering it with a nylon cloth to prevent dust accumulation.



## 5 MAINTENANCE SECTION



### Caution!

**Extraordinary maintenance of the vacuum cleaner must only be carried out by specialised technicians approved by the DEPURECO dealer.**

### 5.1 INFORMATION NOTES

This section contains a description of the routine inspection and maintenance operations essential to ensure smooth operation of the vacuum cleaner.

The utmost reliability of the vacuum cleaner and the minimum maintenance cost are due to a planned maintenance and inspection program that is meticulously followed throughout the entire service life of the vacuum cleaner.

Strictly follow the set maintenance times and intervention frequencies according to the specific needs of the vacuum cleaner's production cycle.

Always use tools in perfect condition and specific for the operation to be carried out; using unsuitable and inefficient tools can cause serious damage.

Any other intervention deemed necessary to eliminate faults or malfunctions must be expressly authorised by the manufacturer.

In these cases, always give the vacuum cleaner's identification data - see par. 1.4 of this manual.

For major repairs, it is advisable to contact the authorised dealer whose specialised personnel, equipped with all the technological expertise of the original factory construction, are always on call and able to intervene promptly.



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If maintenance is to be carried out by the user, it is necessary to disassemble, clean and carry out maintenance on the vacuum cleaner, provided that this is possible, without causing dangers for maintenance staff and third parties. Appropriate precautionary measures include decontamination before disassembly, measures for forced filtered ventilation in the room where the appliance is to be disassembled, cleaning of the maintenance area and suitable personal protective equipment.

At least once every three months (or more frequently depending on the work cycle and the conditions of use), the manufacturer or qualified person must inspect the filters to make sure that they are not damaged and also ensure that the control devices work properly.

If maintenance work or repairs are carried out, all contaminated objects that cannot be satisfactorily cleaned must be put in waterproof bags and disposed of in compliance with the laws in force.



## 5.2 GENERAL SAFETY STANDARDS



### **Caution!**

**All of the operations described must be carried out with the mains plug unplugged.**

**Before starting any maintenance or cleaning operation, wear suitable PPE (protective clothing, safety goggles and/or gloves, etc.) for the work to be carried out.**



**Put a sign on the vacuum cleaning stating:**



**"MACHINE UNDER MAINTENANCE**

**DO NOT START"**

**Before resuming service, check the entire system again according to the start-up procedures.**

**After each maintenance operation, run a few test cycles to ensure that the machine works properly.**

**Failure to observe these precautions can cause serious harm to staff.**

Maintenance work must be carried out by specialist technicians who are trained in the specific sectors which for this machine are:

- Mechanical maintenance
- Electrical maintenance

It is the precise duty of the Safety Manager to ensure the professionalism and competence of the aforementioned people.

**Before starting a maintenance intervention, the Safety Manager must:**

- Have any unauthorised people moved out of the work area.



- ☞ Make sure that the necessary tools are within reach of the maintenance technician and are in good condition.
- ☞ Make sure that the maintenance technician has the personal protective equipment necessary for the specific operation (gloves, goggles, shoes, mask, etc.)
- ☞ Make sure that the maintenance technician has carefully read the instructions in this manual and is completely familiar with operation of the vacuum cleaner and its components.

- Check that the lighting is sufficient and, if necessary, provide portable 24 V lamps.



**Before starting a maintenance intervention, the Maintenance Technician must:**

disconnect all power supplies and put the safety lock on the vacuum cleaner

**Caution!**



**If it is absolutely necessary to work with the power supply connected, when required by Italian Legislative Decree 81/08, the maintenance technician must stay at a safe distance, have stop buttons close at hand, and never put his hands into the volume of discharged material.**

When the intervention has been completed and before resuming the service, the maintenance technician must check operation of the safety devices again and ensure that the protections are intact.

Work on the motors or on other electrical components must only be carried out by an appropriately trained electrical maintenance technician who is authorised by the Safety manager.

**Caution!**



**After each maintenance operation, it is mandatory for the Safety Manager to ensure that the vacuum cleaner and its protection devices are safe.**

**Before each work shift**

- Check that the power cable and plug are undamaged: replace it immediately if it shows signs of wear and tear, using a cable of the same type (information c/o DEPURECO); this is the exclusive responsibility of an electrician.
- Ensure that the safety symbols (pictograms) affixed to the vacuum cleaner are intact.
- Ensure that the flexible vacuum hose and the accessories to be used are all intact.

**Caution!**



**If the flexible hose is perforated, the vacuum power will be reduced and the liquids will be dispersed into the air.**



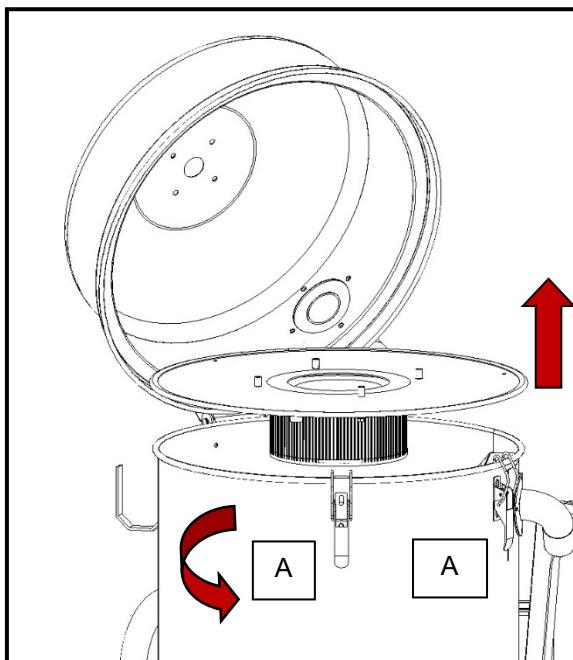
### Caution!

Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).

## 5.3 CLEANING THE OIL-REPELLENT FILTER

To replace the oil-repellent filter, proceed as follows:

- switch off the machine
- disconnect the vacuum cleaner from the power supply
- disconnect the power plug of the pump from the power socket on the electric panel
- Loosen the vertical locking hooks (A) to release the cover from the liquid collection chamber, then rotate it through the hinge on the rear side.
- Lift the oil-repellent cartridge holder disc and proceed with filter replacement.
- Proceed in the opposite direction to reposition the cartridge holder disc and the liquid collection chamber cover.





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#### 5.4 REPLACING THE OIL-REPELLENT FILTER

**To replace the oil-repellent filter**, proceed as indicated in chap. 5.3 replacing the worn-out filter with a new one.



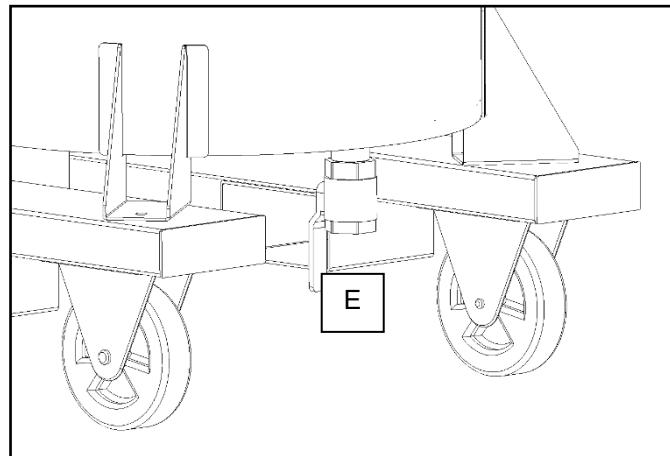
remove the filter, place it inside a plastic bag, close it and **dispose of it according to the laws in force** for the type of material vacuumed.



## 5.5 TANK EMPTYING AND CLEANING

**To completely empty** the tank of liquid residue, proceed as follows:

- switch off the machine
- disconnect the vacuum cleaner from the power supply
- open the ball valve (E) at the bottom of the tank, allowing residual liquid to drain from the bottom of the chamber



- If you wish to clean the inside of the tank, lift the cover (see 5.3 CLEANING THE OIL FILTER), then clean the inside walls and bottom of the tank with a stream of water.

**To resume normal use of the vacuum cleaner**, work backwards:

- position and lock the cover and the oil-repellent cartridge holder disc (see par. 5.3)
- close the vertical locking hooks on the side of the container
- connect the vacuum cleaner to the power supply
- switch on the vacuum cleaner and immediately assess its proper operation



**Caution!**

Ensure that the ball valve [E] is properly tightened. Partial closure may cause liquid leakage during normal use



**ONLY USE ORIGINAL DEPURECO FILTERS**



## 5.6 IF SOMETHING DOESN'T WORK

FAULT FOUND	POSSIBLE CAUSE	RECOMMENDED SOLUTION
<b>The vacuum cleaner does not start</b>	<ul style="list-style-type: none"><li>- No power</li><li>- Magnetothermic switch tripped</li></ul>	<ul style="list-style-type: none"><li>- Check the power socket for voltage</li><li>- Check the socket and power supply cable to make sure they are intact</li><li>- Reset magnetothermic switch</li><li>- Contact the DEPURECO technical assistance service</li></ul>
<b>Irregular suction</b>	<ul style="list-style-type: none"><li>- Oil-repellent filter</li></ul>	<ul style="list-style-type: none"><li>- Carry out a filter cleaning. If this is not enough, replace it.</li></ul>
	<ul style="list-style-type: none"><li>- Clogged suction hose</li></ul>	<ul style="list-style-type: none"><li>- Check the suction hose and clean it.</li></ul>
<b>Irregular or absent liquid expulsion</b>	<ul style="list-style-type: none"><li>- Faulty liquid expulsion pump</li></ul>	<ul style="list-style-type: none"><li>- Contact the DEPURECO technical assistance service</li></ul>
<b>Excessively noisy engine</b>	<ul style="list-style-type: none"><li>- Faulty pump</li></ul>	<ul style="list-style-type: none"><li>- Contact the DEPURECO technical assistance service</li></ul>



## 5.7 SCRAPPING



This product falls within the scope of Directive 2012/19/EU on waste from electrical and electronic equipment (WEEE). The appliance must not be eliminated with household waste as it is made up of different materials that can be recycled at the appropriate facilities. Get information from the local authorities about the whereabouts of centres designed to take in the product for disposal and recycling. Additionally, please note that with regards to the purchase of equivalent equipment, the distributor is obliged to take back the material free of charge. The product is not potentially dangerous for the health of people and the environment as it does not contain harmful substances as per 011/65/EU (RoHS); however, if it is left in the environment it negatively impacts the ecosystem. Read the instructions closely before using the equipment for the first time. Do not use the product for any use other than that for which it is intended, as there is a danger of electric shock if used improperly.

**THE CROSSED-OUT WHEELIE BIN SYMBOL ON THE LABEL ON THE APPLIANCE INDICATES ELECTRICAL AND ELECTRONIC EQUIPMENT. THE ABANDONMENT OF THE EQUIPMENT IN THE ENVIRONMENT OR ILLEGAL DISPOSAL OF THE SAME IS PUNISHABLE BY LAW.**

REGISTERED ON THE WEEE REGISTER WITH NO. IT18090000010711



If you have doubts, do not guess! Call your dealer immediately!



### MAINTENANCE REGISTER:

INTERVENTION 1:

DATE:

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TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:



### MAINTENANCE REGISTER:

INTERVENTION 2:

DATE:

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TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

**Depureco Industrial Vacuums Srl**

Società soggetta a direzione e coordinamento COFISE spa

Via Venezia, 32 - 10088 Volpiano (TO)

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PERFORMANCE ON VACUUM SINCE 1972

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Registro Imprese di Torino · **R.E.A.** TO-1149668

Iscrizione al Registro **RAEE** n. IT18090000010711



## MAINTENANCE REGISTER:

INTERVENTION 3:

DATE:

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TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

**Depureco Industrial Vacuums Srl**

Società soggetta a direzione e coordinamento COFISE spa

Via Venezia, 32 - 10088 Volpiano (TO)

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