

INSTRUCTION AND MAINTENANCE MANUAL



XM SERIES

XM 20 XM 35 JC XM 35 JC LP

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1. INFORMATIVE SECTION



This manual is an integral part of the vacuum cleaner. Read this manual and the attachments provided with the supply carefully. Knowing the instructions contained in it is crucial for using the vacuum cleaner and carrying out maintenance operations under full

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1.1 Preface

Dear Customer

We thank you for preferring DEPURECO and congratulate you on choosing an XM 20 series DEPURECO vacuum cleaner.

We have prepared this manual to allow you to fully appreciate the qualities of this machine.

We recommend reading it carefully before using it for the first time.

It includes information, recommendations and important warnings concerning the use of the vacuum cleaner, which will help you to take full advantage of the technical properties of your machine.

We recommend you carefully read the messages, warnings and indications preceded by the following symbols:



For personal safety



For the integrity of the vacuum cleaner



For environmental protection



This document has been designed for extracting dust and processing residues.

The material sucked up tends to be deposited due to gravity on the bottom of the container, under the filtering chamber, the finer particles of dust contained in the mixture, will be deposited on the surface of the filter placed inside the filtering chamber.

This manual describes the following models:

XM 20

XM 20 JC

The vacuum cleaner is equipped with the following filters:

- ANTI-STATIC M FILTER CARTRIDGE (only on XM 20 JC)
- M FILTER (only on XM 20)
- ANTI-STATIC M FILTER (only on XM 20, if provided for)
- TEFLON-COATED M FILTER (only on XM 20, if provided for)
- H FILTER CARTRIDGE (if provided for)

This manual provides all the necessary information for the use and maintenance of your vacuum cleaner.

This specific model has undergone strict testing to ensure maximum reliability. Its operation and durability will depend on proper use and maintenance.

This manual is an integral part of the vacuum cleaner and must accompany it at all times, until its demolition.

In the event it is lost or damaged, you can request another copy from DEPURECO INDUSTRIAL VACUUMS S.r.l. (hereafter simply called DEPURECO).

The technical information contained in this manual is the exclusive property of DEPURECO and must be considered confidential.

Reproduction, even partial, of graphics, text and illustrations is prohibited by law.

Some details shown in the figures in this manual can differ from those on your vacuum cleaner; this is because some components can be removed to ensure maximum clarity.

For easier consultation, this manual is divided into sections that are identified 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 are taken from the technical file archived at DEPURECO.

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



This manual must be kept in a place that can be easily accessed by the personnel in charge of running and maintaining the vacuum cleaner.

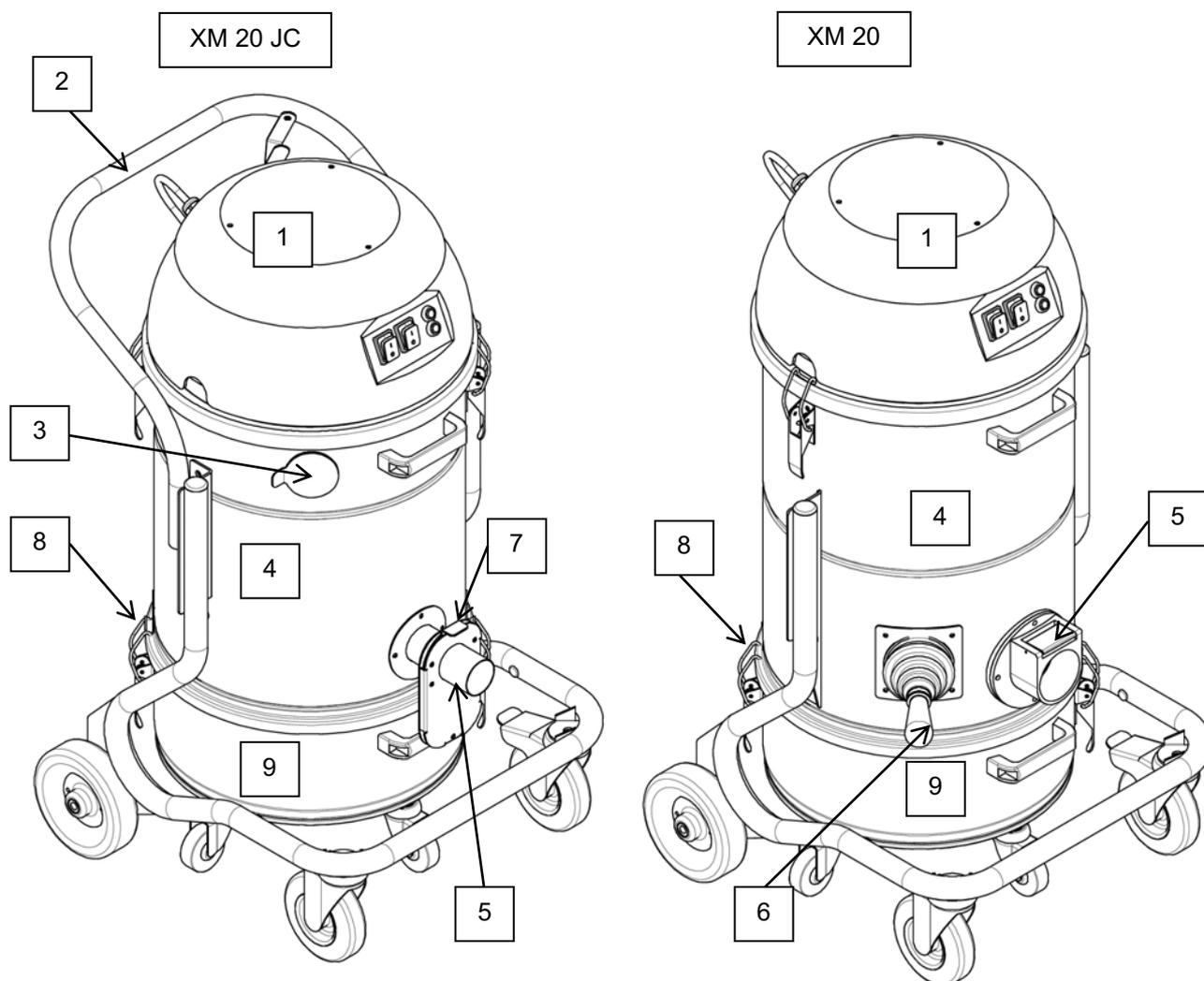
Any dispute will be heard by the Court of Turin (Italy).



This manual is an integral part of the vacuum cleaner. Read this manual and the attachments provided with the supply carefully. Knowing the instructions contained in it is crucial for using the vacuum cleaner and carrying out maintenance operations under full safety conditions



1.2 Identification of the main parts



1. Vacuum cleaner head with on/off controls
2. Handle to move the product
3. JetClean® disk lid
4. Filter chamber
5. Suction nozzle
6. Filter shake lever
7. JetClean® shutter
8. Container closing hooks
9. Dirt collection container



1.3 Optional parts

DEPURECO provides a wide range of optional accessories, depending on the application of the vacuum cleaner.

1.4 Manufacturer's identification data

DEPURECO INDUSTRIAL VACUUMS S.r.l.

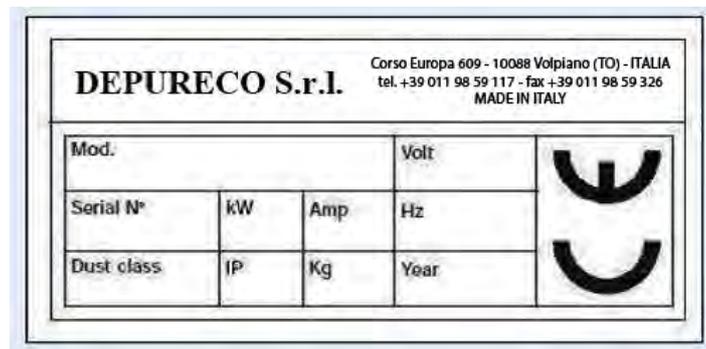
Corso Europa 609 - 10088 Volpiano (TO) - ITALY

tel. +39 011 98 59 117 - fax +39 011 98 59 326 | P.I. 02258610357

e-mail: depureco@depureco.com - website: www.depureco.com

1.5 Identification plate

The data on the vacuum cleaner identification plate must be referred to in any communication with the manufacturer or the dealer.



1.6 Intended use

This model has been designed, manufactured and protected solely for professional industrial extraction of non-flammable and non-toxic wet and/or dry dust and shavings.

Any other use is considered **IMPROPER**.

1.7 Allowed environmental conditions

To ensure proper operation, the vacuum cleaner must be protected from the elements (rain, hail, snow, fog, suspended dusts, etc.) at a room temperature ranging between 5°C and 45°C and a humidity below 70%.

The work environment must be clean, suitably lit and must not give rise to a potentially explosive atmosphere.



1.8 Noise level

The phonometric tests performed on this specific vacuum cleaner model demonstrate a sound pressure level of

XM 20

72 dB(A)



ATTENTION!

Workers exposed to sound pressure levels higher than 85 dB(A) must be protected by suitable personal protection device (PPE) such as certified individual ear defenders.



Under these conditions, workers must be provided with adequate training and information on risks arising from noise exposure.



1.9 Technical data

	U.M.	XM 20 JC	XM 20
Weight*	[Kg]	35	
Overall dimensions**/* **	[mm]	516x545 994	516x545 x 994
Voltage / Frequency	[V] - [Hz]	230 - 50/60	
Power	[kW -HP]	2.4 - 3.4	
Maximum negative pressure	[mBar]	250	
Air flow rate	[m ³ /h]	380	
M filter surface	[m ²]	3	1.5
H filter surface (if provided)	[m ²]	2.2	
Noise level	[dB-A]	72	
Container capacity	[L]	20	

(*) weight without packaging, packaging weight = 18 Kg

(**) overall dimensions without packaging

(***) machine overall dimensions without H filter, H filter head height = 195 mm



1.10 Warranty

DEPURECO guarantees this vacuum cleaner model for 12 months from the date of purchase indicated on the receipt upon delivery of the product.

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

During the warranty period, DEPURECO undertakes to repair or replace free of charge parts and components, which prove to have manufacturing defects.

Repairs are made solely at our premises or in specific Service centres and must be delivered ex works (transport costs are charged to the purchaser, unless otherwise agreed upon).

The warranty does not cover cleaning of operating elements.

The purchase receipt must be shown to the authorised technical personnel carrying out the repair and must accompany the vacuum cleaner during its shipment.

Defects that are not evidently due to materials or manufacturing will be examined solely at our premises or at a specific Technical Service Centre.

Should the complaint be unjustified, all repair and/or replacement expenses shall be charged to the purchaser.

The following are excluded from the warranty: accidental damage due to transport, negligence, abnormal use, improper use, non-compliance with the instructions contained in this booklet or arising from phenomena that do not depend on normal use/operation of the vacuum cleaner.

DEPURECO shall not be held liable for any injuries to persons or damage to objects caused by misuse or improper use of the vacuum cleaner.

Any dispute will be heard by the Court of Turin (Italy).



To use the warranty visit www.depureco.com or photocopy the form available on the last page of this manual, fill it in all its parts (in capital letters would be recommended), and send it via fax to Depureco at the number + **39 011 98 59 117**



When in doubt, do not interpret! Get in touch with your dealer immediately!



2. SAFETY SECTION

2.1 Safety information



In compliance with Italian Legislative Decree In compliance with Italian Legislative Decree 81/08 and subsequent additions and amendments, the Safety Manager is obliged to educate, inform and train workers on the risks related to the use of the vacuum cleaner, in order for them to be able to protect their own and others' safety.

Failure to comply with basic safety standards and precautions can cause accidents during use, maintenance and repairs of the vacuum cleaner. Accidents can frequently be avoided by recognising potentially hazardous situations before they occur. Adequate training is crucial to this end.

DEPURECO shall not be held liable for accidents or damage due to the improper use of the vacuum cleaner by untrained personnel or to failure to comply, even partially, with the occupational safety standards and intervention procedures contained in this manual.

Safety warnings and precautions are indicated in this manual as well as on the product itself. Operators must pay special attention to these hazard warnings to prevent accidents with serious consequences for themselves and other people.

Safety messages are emphasised by the following symbol:



ATTENTION!

Failure to comply with these messages can cause injuries to the operator.



ATTENTION!

Failure to comply with these messages can cause damage to the vacuum cleaner



ATTENTION! Failure to comply with these messages can cause damage to the environment.



DEPURECO designs and manufactures its equipment and accessories with care, identifying and compensating possible risks related to their use. In the event that equipment, procedures, work methods or techniques not expressly provided for by DEPURECO are used, it is crucial to ensure beforehand that there are no dangers for oneself and the others, notwithstanding that DEPURECO shall not be held liable.



Only use original Depureco spare parts.

Depureco will not be held liable in any way for the use of non-original parts.

2.2 Safety requirements



ATTENTION!

The indications below are important to prevent hazards that can occur while operating the vacuum cleaner. However, they cannot replace the expertise and common sense of the operators as an overall framework for accident prevention.

Every section lists further safety requirements specific for the various operations.

CAUTION!

- This vacuum cleaner can only be used by adequately trained adults.
- This vacuum cleaner is suitable for industrial use, such as: factories, warehouses, workshops.
- The equipment must be electrically connected to a mains equipped with efficient earthing.
- Always lock the vacuum cleaner by means of the lock located on the swivel caster during vacuum cleaner operation
- This vacuum cleaner is not intended to be used in corrosive or explosive environments



- Keep the vacuum cleaner clear from foreign bodies, such as debris, oil, tools and other objects that could damage its operation and cause injuries.
- Avoid using flammable or toxic solvents, such as petrol, benzene, ether and alcohol for cleaning operations.
- Avoid prolonged contact with solvents and inhaling their vapours.
- Avoid using it in the proximity of naked flames or heat sources; ensure suitable ventilation.
- Never use the vacuum cleaner without its filter.
- Do not vacuum lit cigarette butts: they could ignite the filter.
- Do not vacuum petrol or flammable liquids in general.
- Ensure that all the guards and protection devices are in place and that all the safety devices are properly installed and efficient.
- Do not wear loose or baggy clothing, such as ties, scarves, ripped clothes that could get easily caught or trapped in the vacuum cleaner.
- Do not open the container while the vacuum cleaner is operating.
- Extensions, press-fit plugs and adapters are prohibited.
- It is prohibited to use the vacuum cleaner on operating machines
- Do not climb on the vacuum cleaner.
- Do not touch electric wires, switches, buttons, etc., with wet hands.
- Periodically verify the integrity of the power cord.
- When using the industrial vacuum cleaner, some components (motor terminal box, motor body in particular) can reach high temperatures.
- During the operations to restore original work conditions, the personnel in charge must ensure at the end of the procedure, normal operating and safety conditions of the vacuum cleaner and, in particular, of the safety devices and protective guards involved in the operation.
- In the event that the Customer installs a tool not supplied by DEPURECO on the vacuum cleaner, it is essential to verify that the safety requirements of Machinery Directive 2006/42/CE are met, notwithstanding that DEPURECO shall not be held liable for problems caused by the use of that part.
- Structural damage, alterations or improper repairs can modify the protective capacity of the vacuum cleaner, thereby nullifying this certification and releasing DEPURECO from any liability.



- This manual must always be kept at hand for consultation on the operating cycle and for clarifying any doubts.
- In the event it is lost or damaged, request another copy from DEPURECO.



ATTENTION!

This vacuum cleaner can contain harmful dust.

Emptying and maintenance procedures, including the disposal of the dust collection containers, must be carried out only by specialised personnel wearing suitable personal protective equipment.

Never activate the vacuum cleaner without a complete filtering system.

2.3 Safety plates and symbols

Plates with safety symbols and messages are applied to the vacuum cleaner and its packaging. These pages show their precise location and the nature of the hazard.



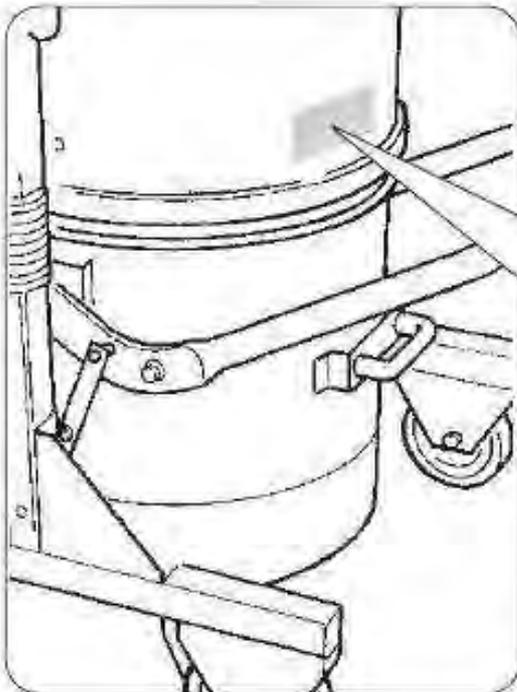
Attention!

Ensure that all safety messages are perfectly legible.

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

Replace damaged plates requesting them from DEPURECO.

In the event that a plate is located on a piece that is replaced, ensure that a new plate is affixed to the new piece.





Attention!

Upper limb crushing hazard while inserting and locking the dirt container in place under the vacuum cleaner.

Never place your hands between the vacuum cleaner and the dirt container while inserting and locking the dirt container in place under the vacuum cleaner.

Lock the container in place by means of the dedicated lever, using **BOTH HANDS**



Attention!

Carefully read this use and maintenance manual before using the vacuum cleaner or carrying out maintenance work



Carefully read the instructions on the packaging before handling the vacuum cleaner.

2.4 Residual risks

DEPURECO recommends complying with the instructions, procedures and recommendations in this manual and with the safety standards in force. DEPURECO also recommends using suitable personal protective equipment as well as the protection devices integrated in the vacuum cleaner.

The residual risks analysed on the vacuum cleaner and/or its components can be:

Electrical risks during maintenance on live parts

Pursuant to Italian Legislative Decree 81/08 – articles from 80 to 87 – it is prohibited to operate on live parts, notwithstanding the exceptions set forth by said Legislative Decree.

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

The vacuum cleaner must not be used in environments containing liquid substances or liquids that can evaporate at room temperature, flammable powders and gas.

Risks related to operation in humid environments

Comply with the limitations indicated in this manual, in section 1.5 “Permitted environmental conditions”.



Risks of misinterpretation of safety pictograms

With reference to risk analysis and identification, DEPURECO has installed hazard labels on the vacuum cleaner, in compliance with the standard concerning graphic symbols.

The user must immediately replace any safety plate made illegible due to wear or damage.



Attention!

It is strictly prohibited to remove the safety plates from the vacuum cleaner and/or its components and packaging.

DEPURECO shall not be held liable for the vacuum cleaner's safety in the event of failure to comply with this prohibition.

2.5 Applied Directives

The following Directives apply to the vacuum cleaner described in this manual:

- 2006/42/EC Machinery Directive
- 2014/30/EU Electromagnetic Compatibility Directive
- 2011/65/EU - ROHS - Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Reference standards, including their binding requirements, are managed through the DEPURECO Quality Management System



3. HANDLING, UNPACKING AND INSTALLATION SECTION

3.1 Handling



Attention!

The instructions for transporting and unpacking the vacuum cleaner correctly are shown also on the packaging.

The instructions below also include the operations to be carried out in the event that the vacuum cleaner must be packed or unpacked again for subsequent transport.



The vacuum cleaner must be lifted and handled exclusively using a forklift having suitable load bearing capacity.

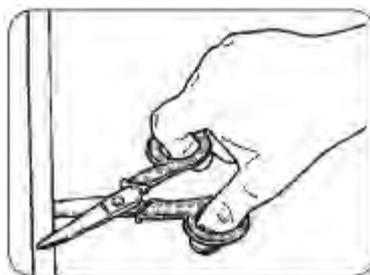
When using a forklift, lift the load 200 mm off the ground and swing backwards.

Always keep the height of the working environment in mind when lifting loads.

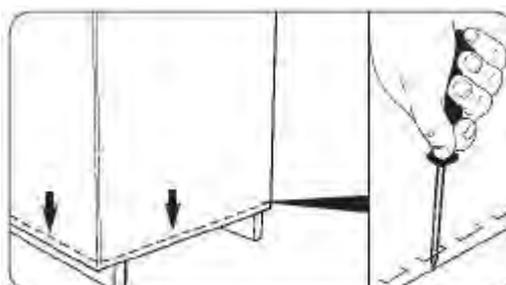
Before starting any movement, ensure that the area is cleared and that there are no moving objects on the packaging. For lifting and handling operations, comply with the occupational safety standards in force and with the normal forklift driving instructions.

3.2 Unpacking

- Cut and remove the two packaging fasteners,



- with a screwdriver remove the staples that secure the carton to the pallet





- remove the carton



- cut the two fasteners between the pallet and the vacuum cleaner base



The cardboard packaging is recyclable and should be collected separately to prevent environmental impact.



Attention!

Keep the pallet and the fastening brackets.
In the event of subsequent transport, the vacuum cleaner must be secured to the pallet using the same fastening system.



3.3 Installation



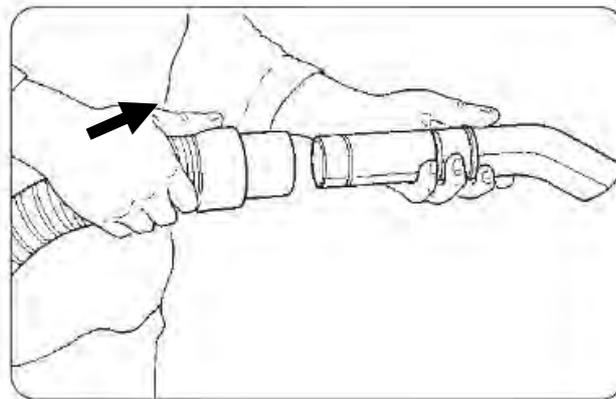
Warning!

Before installing the vacuum cleaner, it is important to carry out a thorough preventive visual inspection to identify any damage occurred during transport.

In the event that one or more components are damaged, do not continue with installation and inform DEPURECO about the anomaly and agree upon the actions to be taken.

The vacuum cleaner is already equipped with a suction filter, which allows extracting only dry dust or debris

- Insert the hose fitted with a terminal to the designated suction nozzle (detail no.5, chap. 1.1)
- insert the accessory according to the type of extraction on the opposite side of the hose



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



The following operation must be carried out by a qualified electrician.

Ensure that the power supply line corresponds to the voltage and frequency indicated on the identification plate and that it is efficiently earthed.

DEPURECO S.r.l.				MADE IN ITALY
Mod.			Volt	
Serial N°	kW	Amp.	Hz	
Dust class	IP	Kg	Year	

The socket to power the vacuum cleaner must be protected by a mains disconnect switch in compliance with EU standards.

Insert the plug (standard supply) into the socket.



Attention!

Do not insert the plug into the socket with wet hands.

The use of extensions is not allowed.



4. OPERATION SECTION

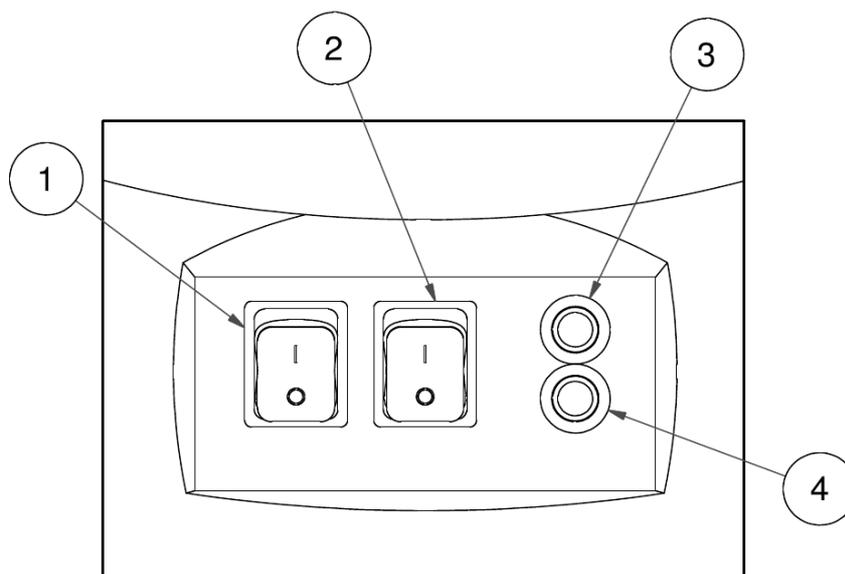
4.1 Description of the controls



Attention!

The vacuum cleaner can be used solely by authorised personnel after having read these use and maintenance instructions.

The user of the equipment and the maintenance technician, who carry out interventions on the vacuum cleaner, must be adequately educated, informed and trained, in compliance with the occupational safety standards in force and, during the various operations, must wear personal protective equipment (PPE), such as safety footwear, gloves, protective goggles, mask, etc. The user must comply with the provisions in force concerning extracted materials and their disposal.



1. First motor ON-OFF switch
2. Second motor ON-OFF switch
3. White indicator light: VOLTAGE PRESENCE
4. Red indicator light: CLOGGED FILTER



4.2 Operating cycle

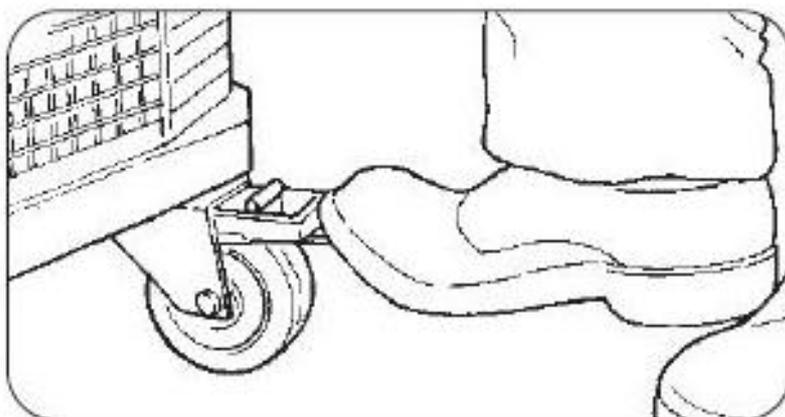
Ensure that the power cord is intact and in perfect state.



Attention!

Before inserting the plug, ensure that the voltage of the power supply line corresponds to that indicated on the vacuum cleaner's identification plate.

- Ensure that the power plug is inserted correctly into the socket.
- Make sure the hose is inserted properly and tightened in the special suction nozzle (detail no. 5, chapter 1.1).
- Make sure the dirt collection container (detail no. 9, chap. 1.1) is fitted and locked under the chamber (detail no. 4, chap. 1.1) of the vacuum cleaner
- Block the vacuum cleaner using the lever on the swivel caster, as shown in the figure.



Press one of the switches (1 or 2) and start to vacuum cleaner.

For greater suction power the second motor can be turned on by pressing the other switch.

To turn off the vacuum cleaner, press the switches previously turned on.



Use the handle (detail no. 2, chap. 1.1) on the back of the machine to move the vacuum cleaner or the handle located on the front of the machine.

The red CLOGGED FILTER indicator light (4) indicates that the filter is clogged. If the filter is on, first of all make sure that the hose and/or the suction accessory are not clogged. In this case, remove the cause of the clogging. Otherwise it will be necessary to clean the filter as described in the next paragraph.



Warning!
During operation, prevent the hose from rolling up or bending.



Warning!
Do not use the vacuum cleaner with the filter clogged

4.3 Filter cleaning (only on XM 20 JC)

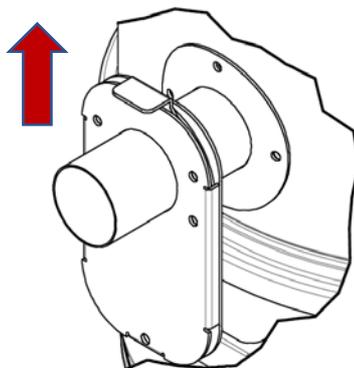
To clean the filter cartridge, the vacuum cleaners belonging to the XM 20T family, in the "JC" model, are equipped with the JetClean® cleaning system.

The system works due to the difference in pressure between the internal atmosphere and the external atmosphere leading to the dust becoming detached from the filtering fabric of the cartridge, without needing to switch the vacuum cleaner off.

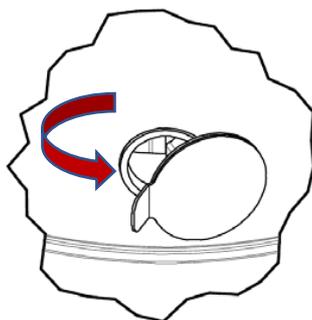
The system is made up of a disk lid on the filter chamber and a shutter located on the suction nozzle.

Proceed as follows to clean the filter:

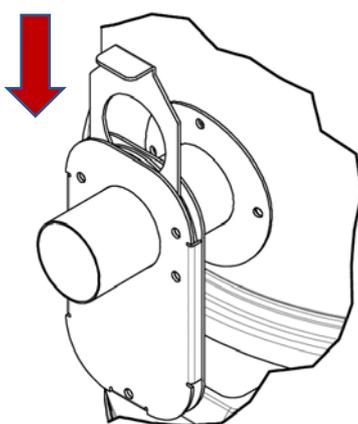
- With the vacuum cleaner on, raise the shutter (detail no.7, chap. 1.1) installed on the suction nozzle



- Open the disk lid for a few seconds (detail no.3, chapter 1.1) and repeat the step a couple of times.
Turn on both motors to ensure the cleaning system is more effective



- Lower the shutter (detail no.7, chap. 1.1) and resume normal use



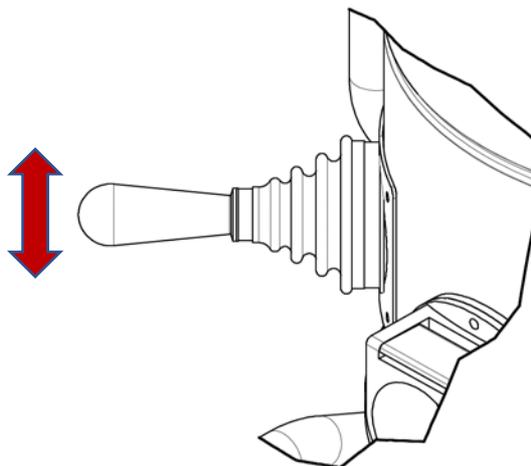
Attention!
The JetClean® cleaning system only works with the vacuum cleaner switched on.



4.4 Filter cleaning (only on XM 20)

To clean the filter proceed as specified:

- Switch the vacuum cleaner off
- Wait for the motors to come to a complete stop
- Lift and then lower the lever energetically to shake the internal filter.



4.5 Container emptying

Depending on the type and quantity of material being vacuumed, it is necessary to check periodically the dirt container to avoid filling it excessively.

Proceed as follows to empty the container:

- Turn off the machine
- As previously mentioned, the vacuum cleaner can be locked using the brake positioned on the rotating wheel
- Unlock the container unhooking the special closing hooks
- Take the container out from below the filter chamber using the special handles



Attention!
If the container weighs over 15 Kg, have somebody help you.



Attention!

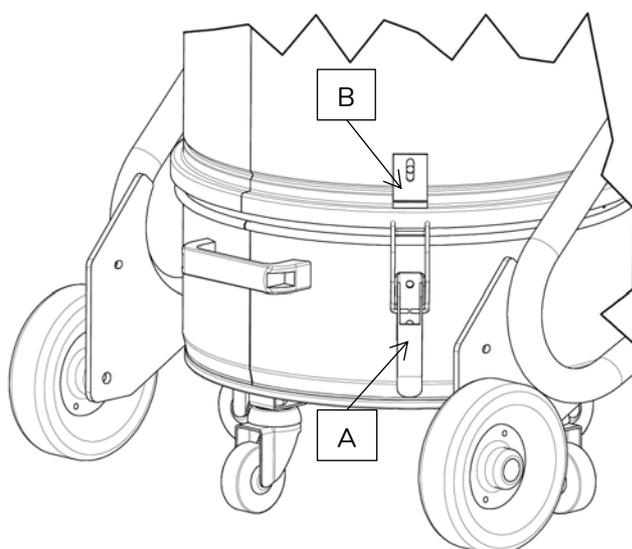
Waste disposal must take place in compliance with the laws in force in the country in which the vacuum cleaner is used - for Italy Legislative Decree 152/2006 and subsequent amendments.

In the event of use with class M and H dusts, these must be conveyed to a special plastic bag

4.6 Inserting and locking the dirt container

Follow the steps below to insert and lock the container:

- Insert the container under the vacuum cleaner, aligning the closing hooks (A) with the corresponding parts (B) located on the filter chamber





-
- Lift the container towards the chamber and lock the closing hooks. If necessary, ask someone to help you



Attention!
Upper limb crushing hazard!

Do not, under any circumstance, place your hands between the container and the vacuum cleaner while locking it

4.7 Storage - decommissioning

Remove the filter and clean it, empty the debris collection container or remove the bag part with the debris and store the vacuum cleaner in a place protected from atmospheric agents with temperatures between 0°and 40°C, covering it with a nylon sheet so as to avoid dust build up



5. MAINTENANCE SECTION



Attention!

Special vacuum cleaner maintenance must be carried out solely by specialised technicians authorised by the DEPURECO dealer.

5.1 Information notes

This section describes the verifications and routine maintenance operations required to ensure proper vacuum cleaner operation.

Maximum reliability and minimum maintenance costs are the result of a planned maintenance and inspection schedule carefully followed throughout the entire lifespan of the vacuum cleaner.

Observe the set maintenance intervals and schedule the interventions according to specific requirements in relation with the vacuum cleaner production cycle.

Always use tools that are in perfect state and that are specifically intended for the operation to be carried out; the use of inadequate or inefficient tools can cause serious damage.

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

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

For important repairs, refer to the authorised dealer, whose specialised personnel has the technological expertise and is always available for prompt interventions.

As for interventions carried out by the user, the vacuum cleaner must be disassembled, cleaned and maintained, where possible, in such a way as to prevent hazards to the maintenance personnel and to third parties. Suitable precautions include decontamination prior to disassembly, forced filtered ventilation of the room where the equipment is disassembled, cleaning the maintenance area and wearing suitable personal protective equipment.

At least once every three months (or more frequently, depending on the operating cycle and the conditions of use), the manufacturer or a qualified technician must check the filters to ensure they are not damaged, and must check proper operation of the control devices.

Should maintenance operations or repairs be carried out, all contaminated objects must be adequately cleaned, placed in waterproof bags and disposed of in compliance with the standards in force.



5.2 General safety regulations



Attention!

All the operations described must be carried out with the vacuum cleaner unplugged.



Before starting any maintenance or cleaning operation, wear suitable PPE (protective clothing, goggles and/or gloves, etc.) according to the work to be done.

Place a sign on the vacuum cleaner with the message:

“MACHINE UNDER MAINTENANCE
DO NOT START”



Before resuming operation, verify the entire system according to start-up procedures. Run a few trial operating cycles after every maintenance operation to ensure proper machine operation.

Failure to comply with these precautions can cause series injuries to the personnel.

Maintenance operations must be carried out by trained technicians specialised in the following sectors:

- Mechanical maintenance
- Electrical maintenance

It is the Safety Manager's duty to ensure the professionalism and skills of these technicians.

Before starting any maintenance operation, the Safety Manager must:

- Keep unauthorised personnel out of the work area.



- Ensure that the necessary tools are in good conditions and readily available to the maintenance technician.
- Ensure that the maintenance technician is equipped with the personal protective equipment required for the specific operation (gloves, goggles, shoes, mask, etc.)
- Ensure that the maintenance technician has carefully read the instructions contained in this manual and knows the operation of the vacuum cleaner and its components perfectly well.



- Ensure that there is enough light and, if necessary, provide 24 Volt torches.

Before starting any maintenance operation, the maintenance technician must:

disconnect all power supplies and safely lock the vacuum cleaner



Attention!

If working with the power on is absolutely necessary, when provided by Legislative Decree 81/08, the maintenance technician must remain at a safe distance, have stop buttons at hand and must never place his hands into the discharge volume.

Upon completing the intervention and before starting up again, the maintenance technician must verify the efficiency of the safety devices and the integrity of the protective guards. Interventions on the motors or on other electrical components must only be carried out by the specially trained electrical maintenance technician authorised by the Safety Manager.



Attention!

After every maintenance operation, the Safety Manager is obliged to ensure the safety conditions of the vacuum cleaner and its protection devices.

Before every work shift

- Check that the power cord and plug are not damaged: replace immediately if it shows signs of wear, using a cable of the same type (information at DEPURECO) - this operation requires the skills of an electrician.
- Check the integrity of the safety pictograms applied to the vacuum cleaner.
- Check the filter(s) to make sure they are in good working order
- Ensure the integrity of the suction hose and of the accessories to be used.



Attention!

A perforated hose reduces suction power and disperses dust in the air.



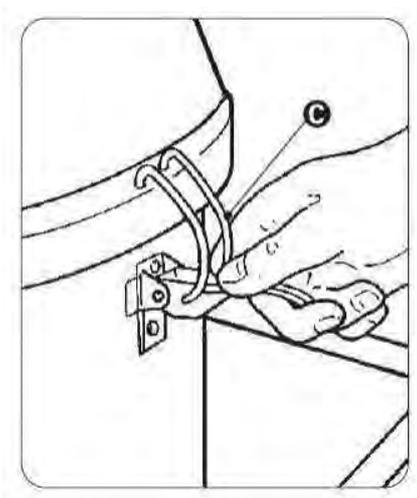
5.3 Filter cartridge replacement (only on XM 20 JC)



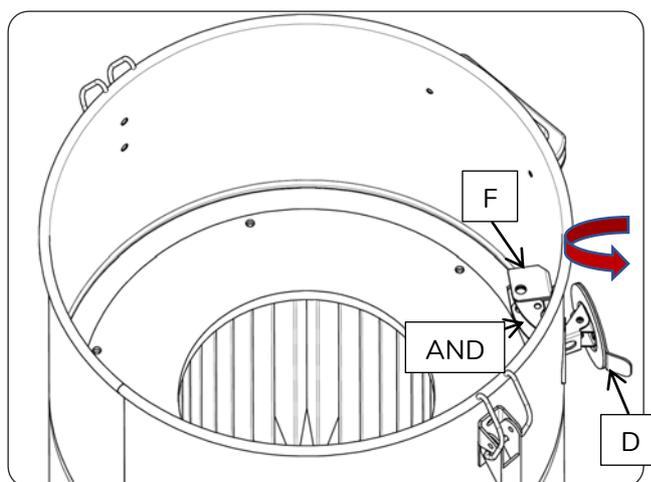
Attention!
Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).

Proceed as follows to replace the filter:

- Switch the vacuum cleaner off
- Disconnect the vacuum cleaner from the power supply
- Unlock the closing hooks on both sides



- Remove the head
- Remove filter H (where provided for)
- With the help of a second person, hold the JetClean® cleaning system disk lid open, take the disk lid (D) fastening screws out, then, remove the fastening screws and the spring (E) at the junction of the JetClean® system and the chamber (F) support



- Unscrew the fastening screws of the filter cartridge and pull it out from inside the filter chamber.



Remove the filter, place it inside a plastic bag, close it and dispose of it in compliance with the laws in force for the extracted material

To reassemble the filter, operate in reverse order:

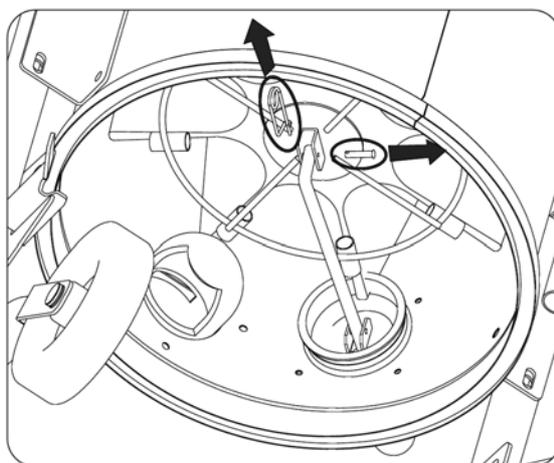
- Insert the new filter inside the filter chamber
- Tighten the cartridge fastening screws
- With the help of a second person, apply the junction (E) spring and screws for the JetClean® cleaning system to the filter chamber (F) support and tighten the special nuts, then apply the disk lid (D) fastening screws to the cleaning system junction and tighten the appropriate nut.
- Ensure that the JetClean® cleaning system moves correctly once re-assembled
- position filter H (where provided for)
- position the head on the filter chamber or on filter H (where provided for)
- lock the closing hooks
- connect the power supply
- switch the vacuum cleaner on and immediately evaluate whether it is working normally



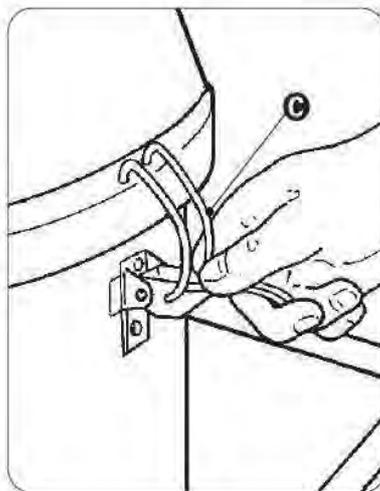
5.4 Filter replacement (only on XM 20)

Proceed as follows to replace the filter:

- Switch the vacuum cleaner off by positioning the main switch to "O"
- Disconnect the vacuum cleaner from the power socket
- Remove the container
- From the bottom of the filter chamber, release the clip and remove the cage filter securing pin to the filter shaker lever



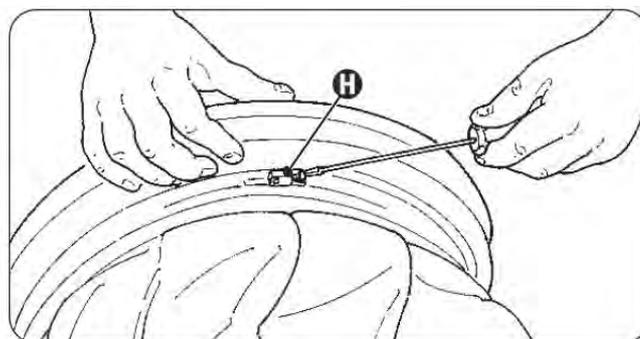
- Unlock the two closing hooks on both sides



- Remove the vacuum cleaner head
- Remove filter H (where provided for)
- Remove the filter and place everything on a worktop



- Loosen the fastening clamp (H); detach the filter from its support and use a pair of scissors to cut the lower wires that lock it to the shaker cage



Remove the filter, place it inside a plastic bag, close it and dispose of it in compliance with the laws in force for the extracted material

To reassemble the filter, operate in reverse order:

- Insert the new filter in the support ring and lock it by means of the fastening strap (H)
- lock the filter to the cage by tying the special laces on the bottom side
- insert the filter with ring and cage inside the filtering chamber, paying particular attention to align the cage to the filter shaking lever
- insert the lever end into the appropriate seat on the bottom of the cage and then insert the fastening clip
- position filter H (where provided for)
- position the vacuum cleaner head above the filter chamber or filter H (where provided for)
- lock the closing hooks
- lock the dirt collection container under the filter chamber
- connect the vacuum cleaner to the mains socket
- turn the vacuum cleaner on, checking its operation.



5.5 HEPA cartridge replacement (where provided for)

To replace the HEPA cartridge, proceed as follows:

- Switch the vacuum cleaner off
- Disconnect the vacuum cleaner from the power supply
- Unlock the two filter H strip closing hooks on both sides from the vacuum cleaner head
- Remove the head
- Unlock the two filter chamber closing hooks on both sides from the filter H strip
- Remove the filter H strip, turn it upside down on a work bench and unscrew the HEPA cartridge fastening screws and remove it from its slot



remove the filter, place it inside a plastic bag, close it and **dispose of it in compliance with the laws** in force for the extracted material.

To re-assemble the HEPA cartridges, proceed in reverse order:

- Position the new HEPA cartridge in its slot and tighten the fastening screw provided. Ensure that it is properly secured
- Replace the filter H strip on the filter chamber and lock it with the special closing hooks
- Place the vacuum cleaner head above the filter H strip and lock it with the special closing hooks
- connect the vacuum cleaner to the mains power supply
- Turn the vacuum cleaner on and immediately check whether it is in good working order

ONLY USE FILTERS MANUFACTURED BY DEPURECO



5.6 Troubleshooting

ANOMALY DETECTED	POSSIBLE CAUSE	SUGGESTED SOLUTION RECOMMENDED
The vacuum cleaner does not start up	<ul style="list-style-type: none">- No power supply Switch	<ul style="list-style-type: none">- Check that there is voltage in the socket- Check the electric plug and power cord- Contact the DEPURECO technical service centre
Irregular Extraction	<ul style="list-style-type: none">- Clogged filter	<ul style="list-style-type: none">- Clean the filter. Should this not be enough, replace it.
	<ul style="list-style-type: none">- Clogged suction hose	<ul style="list-style-type: none">- - Check the suction hose and clean it.
Excessively noisy motors	<ul style="list-style-type: none">- Motor(s) failure	<ul style="list-style-type: none">- Contact the DEPURECO technical service centre



5.7 Scrapping



To prevent damaging the environment in the event of scrapping, all the components of the vacuum cleaner must be disposed of responsibly in suitable landfills and in compliance with the standards in force - for Italy, Legislative Decree 152/2006 and subsequent amendments and additions.

Before scrapping the machine, the plastic and rubber materials must be separated from the electrical material.

Correct disposal of this product (electrical and electronic waste)

Electric and electronic components of this product must be disposed of in accordance with Italian Legislative Decree 151/2005 and subsequent amendments and additions. (Directive 2002/96/CE regarding WEEE - Waste Electrical and Electronic Equipment)

The parts of the vacuum cleaner made of plastic material, aluminium and steel can be recycled in appropriate centres.



When in doubt, do not interpret! Get in touch with your dealer immediately!



MAINTENANCE LOG:

INTERVENTION 1:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

INTERVENTION 2:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

INTERVENTION 3:

DATE:

TECHNICAL ASSISTANCE:

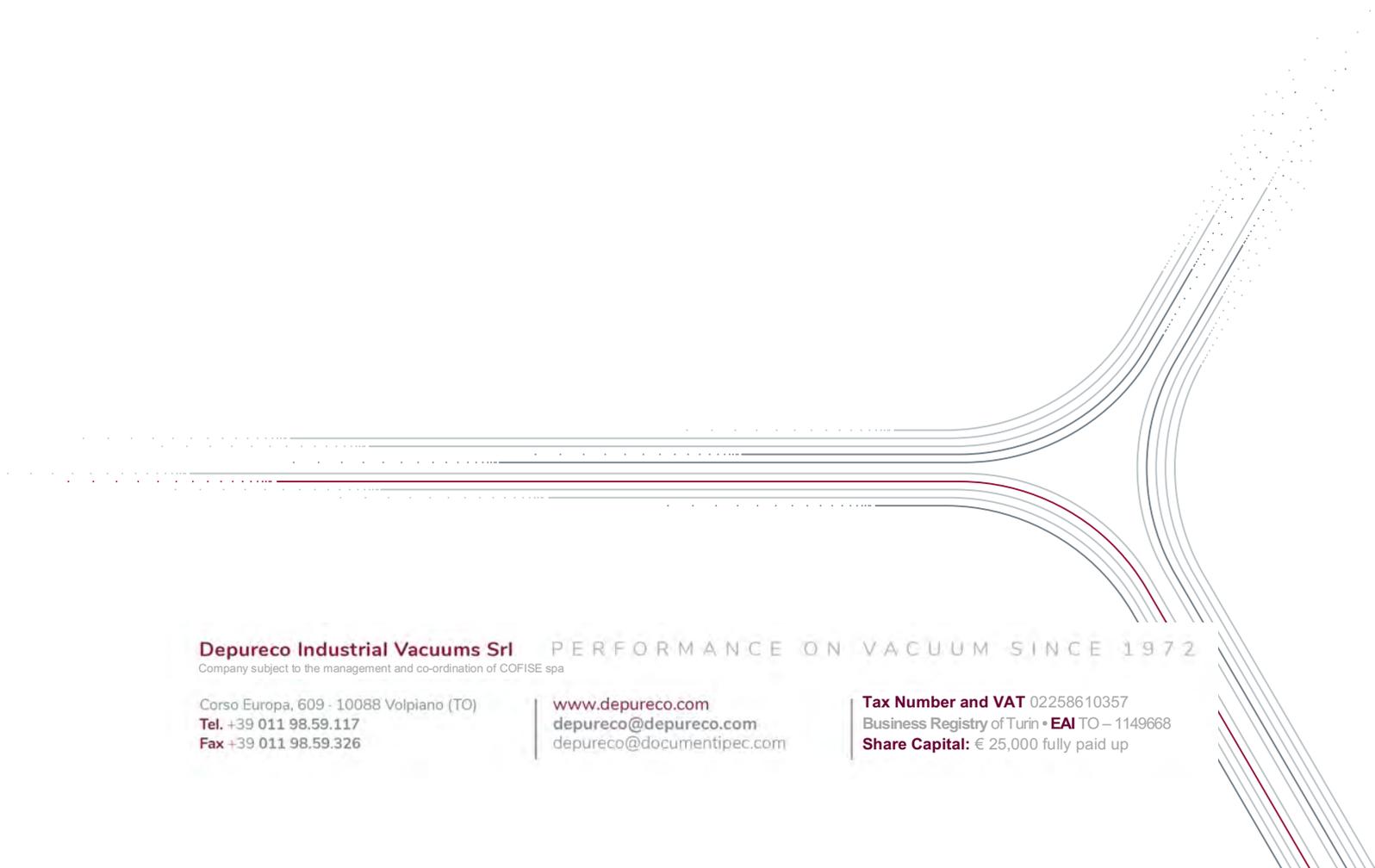
TYPE OF INTERVENTION:

INTERVENTION 4:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:



Depureco Industrial Vacuums Srl

Company subject to the management and co-ordination of COFISE spa

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Tax Number and VAT 02258610357
Business Registry of Turin • **EAI** TO – 1149668
Share Capital: € 25,000 fully paid up

PERFORMANCE ON VACUUM SINCE 1972



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1. INFORMATIVE SECTION



This manual forms an integral part of the vacuum cleaner. Read this manual and the other attachments supplied carefully. Knowledge of the instructions here contained is indispensable for the safe use and maintenance of the vacuum cleaner

IMPORTANT - The DEPURECO term and logo in this document refer to and are the property of **DEPURECO INDUSTRIAL VACUUMS S.r.l.**

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1.1 Foreword

Dear Customer

Thank you for having chosen DEPURECO; we hope you will enjoy using your new DEPURECO XM 35 series vacuum cleaner. This manual has been drafted in order for our customer to fully appreciate the quality of this machine. Please read all sections before using the machine for the first time.

It includes information, recommendations and important warnings concerning the use of the vacuum, which will help fully exploit the technical properties of your machine.

Read messages, warnings and indications preceded by the following symbols carefully:



For the safety of people



For the integrity of the vacuum cleaner



For the safeguard of the environment



This manual describes the following models:

XM 35 JetClean®

XM 35 JetClean® Longopac®

The vacuum cleaner is equipped with the following filters:

- FILTER CARTRIDGE (P12275)
- HEPA FILTER CARTRIDGE (if provided) (P2279)

The vacuums are classified according to the following dust classes:

L	Low risk – suitable to separate dust with an exposure limit value of $> 1 \text{ mg/m}^3$ on the basis of the occupied volume
M	Medium risk - suitable to separate dust with an exposure limit value of $> 0,1 \text{ mg/m}^3$ on the basis of the occupied volume
H	High risk – suitable to separate all dusts with all exposure limit values on the basis of the occupied volume, including cancerogenic and pathogenic dusts.

This manual provides all the necessary information for the use and maintenance of the vacuum cleaner.

This specific model has undergone strict testing to ensure maximum reliability. Its operation and durability will depend on proper use and maintenance.

This manual is an integral part of the vacuum cleaner and must accompany it at all times, until its demolition.

In the event it is lost or damaged, you can request another copy from DEPURECO INDUSTRIAL VACUUMS S.r.l. (henceforth shortened to DEPURECO).

The technical information contained in this manual is exclusive property of DEPURECO and must be considered confidential.

Reproduction, even partial, of graphics, text and illustrations is prohibited by law.

Some details shown in the figures in this manual may differ from those on your vacuum; this is because some components may have been removed to ensure maximum illustration clarity.



This manual has been divided into sections for easy consultation and each section has been identified by a specific graphical symbol.

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

With reference to Regulation 1907/2006/EC (REACH), DEPURECO hereby declares that no Substances of Very High Concern - (SVHC) included in the Candidate List, are contained in its products.

This manual should be kept in a place accessible to all personnel in charge with operating and performing maintenance on the vacuum cleaner.

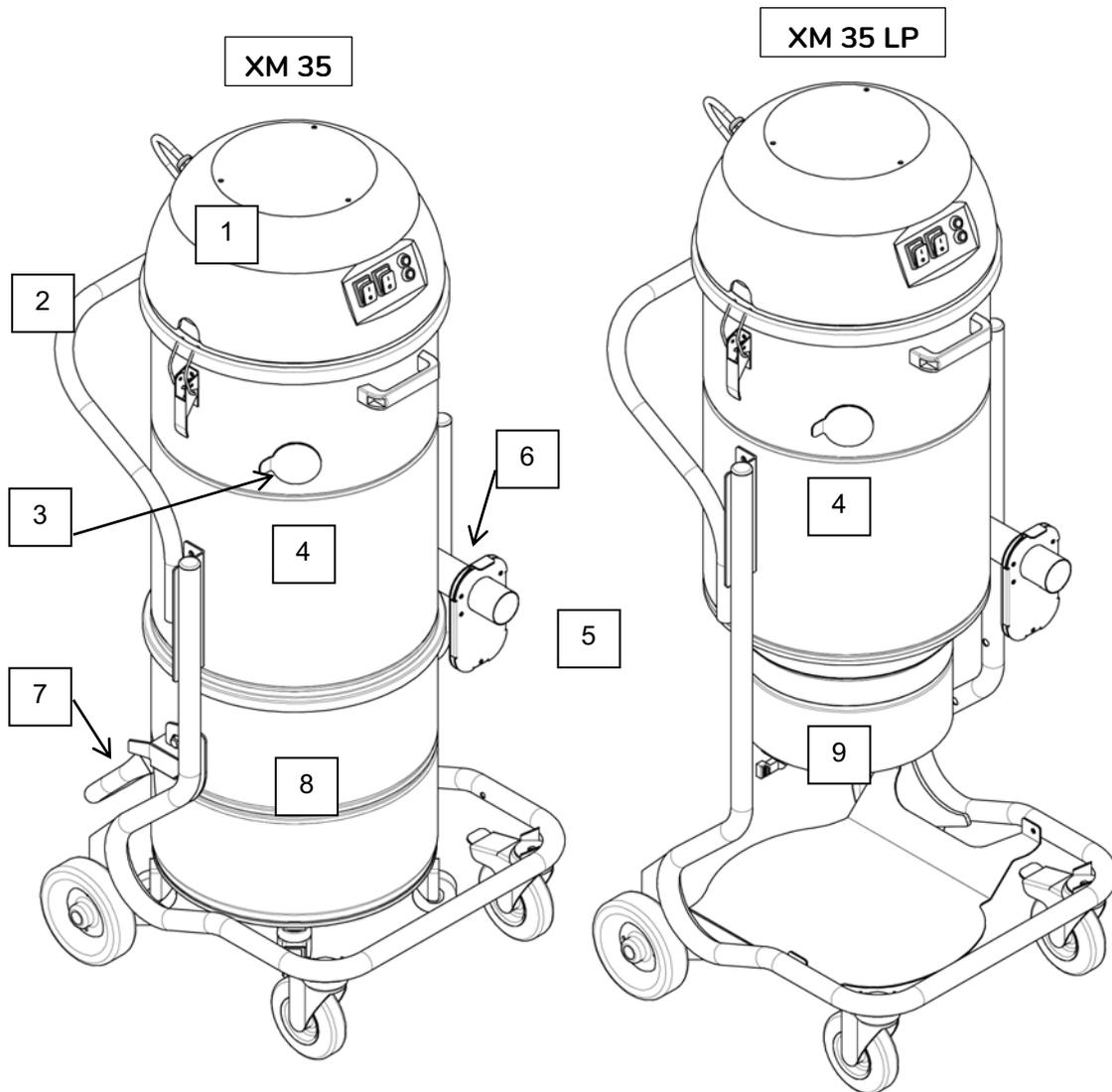
In the event of any dispute arising, the Court of Turin (Italy) shall have jurisdiction



This manual forms an integral part of the vacuum cleaner. Read this manual and the other attachments supplied carefully. Knowledge of the instructions here contained is indispensable for the safe use and maintenance of the vacuum cleaner



1.2 Main parts



1. Vacuum's head with commands
2. Vacuum handle
3. JetClean® valve
4. Filter chamber
5. Suction inlet
6. JetClean® sliding damper
7. Bin handle
8. Dust/ Debris Bin (only on XM 35)
9. Longopac® System (only on XM 35 LP)



1.3 Optional parts

A wide range of optional accessories is available from DEPURECO depending on the intended use of the vacuum.

1.4 Manufacturer's identification data

DEPURECO INDUSTRIAL VACUUMS S.r.l.

Corso Europa 609 - 10088 Volpiano (TO) - ITALY

phone +39 011 98 59 117 - fax +39 011 98 59 326 | VAT NO. 02258610357

e-mail: depureco@depureco.com - website: www.depureco.com

1.5 Identification plate

The data on the vacuum identification plate must be referred to in any correspondence with the manufacturer or the dealer.

DEPURECO		Corso Europa 609 10088 VOLPIANO Tel. 011/98.59.117 Fax 011/98.59.326 MADE IN ITALY	
Model		Serial No.	
Dust class		kg	Year
		CE	
		ATEX	

1.6 Permitted Uses

These vacuum cleaners are designed and built according to the 2006/42/CE (Machine Directive) for an exclusive professional industrial use; either way, for any non-domestic use,

This vacuum cleaner is suitable for the cleaning and the collection of solid materials, only in covered areas.

The vacuum cleaner was conceived to be used by only one operator.

In accordance with the Directive 1999/92/EC, whenever in the presence of combustible dust and/or flammable gas, it's the responsibility of the employer to carry out the classification of the Zone and to choose a device in the appropriate category (According to the definition given in the 2014/34/EU Directive.

Any other use is considered **IMPROPER**.



1.7 Authorised environmental conditions

To ensure the correct operation, the vacuum cleaner must be kept away from atmospheric agents (rain, hail, snow, fog, dust in suspension, etc.) in an area with a room temperature range between 0° and 40°C and a relative humidity no higher than 70%.

The work environment must be clean and suitably lit.

1.8 Noise level

The phonometric tests performed on this specific vacuum cleaner model demonstrate a sound pressure level of

XM 35
XM 35 LP

72 dB(A)



WARNING!

Workers exposed to sound pressure levels higher than 85 dB(A) must be protected by suitable personal protection device (PPE) such as certified ear muffs.



Under these conditions, workers must be provided with adequate training and information on risks arising from noise exposure.



1.9 Technical data

	U.M.	XM 35	XM 35 LP
Weight*	[Kg]	45	
Overall dimensions**	[mm]	585 x 545 x 1285	585 x 545 x 1395
Voltage Frequency	[V] – [Hz]	230 - 50/60	
Power	[kW – HP]	2,6 -3,5	
Maximum vacuum	[mBar]	250	
Maximum air flow	[m ³ /h]	380	
M filter surface	[m ²]	4	
Noise level	[dB-A]	2,2	
Bin capacity	[L]	72	
		45	-

(*) weight without packaging - packaging weight = 13 Kg

(**) machine dimensions without packaging



1.10 Warranty

DEPURECO guarantees this model of vacuum cleaner for a period of 24 months from the date of purchase, indicated on the receipt at the time of delivery of the product.

The guarantee is null and void in the event that the vacuum is repaired by unauthorised third parties or by using equipment, accessories or components not supplied or not authorised by DEPURECO, or if the serial number is removed (during the guarantee period).

For the duration of the guarantee, DEPURECO undertakes to repair or replace free of charge parts and components which prove to have manufacturing defects.

Repairs will be exclusively executed at a DEPURECO site or in a DEPURECO approved Assistance Centre and the machine must be sent free of charge (freight cost at user's charge unless otherwise agreed).

The guarantee does not cover cleaning of working parts.

The purchase invoice must be shown to the authorised technical personnel carrying out the repair and must accompany the vacuum during its shipment.

Defects that are not evidently due to materials or manufacturing will be examined solely at our premises or at a Technical Service Centre of our choosing.

Should the complaint be unjustified, all repair and/or replacement expenses shall be charged to the purchaser.

In any case, the following items are not covered by the guarantee: accidental damage due to transport, negligence, abnormal use, improper use, non-compliance with the instructions contained in this booklet or arising from phenomena that do not depend on normal use/operation of the vacuum.

DEPURECO shall not be held liable for any injuries to persons or damage to objects caused by misuse or improper use of the vacuum.

In the event of any dispute arising, the Court of Turin (Italy) shall have jurisdiction.



To use the warranty, visit www.depureco.com or photocopy the form available on the last page of this manual, fill it in all its parts (in capital letters would be recommended), and send it via fax to Depureco at the number + 39 011 98 59 117



**In the event of doubts, avoid interpreting the information!
Call your reseller immediately!**



2. SAFETY SECTION

2.1 Safety Information



As per Italian Legislative Decree 81/08 and subsequent modifications, the Safety Manager must train and inform workers about the risks involved with using the vacuum cleaner so that they may be able to avoid injury to themselves and others.

The use of device by people (including children) with limited physical and mental capacities or lacking in experience and knowledge is strictly forbidden, unless they are supervised by a person who is experienced in the use and safe handling of the device.

Children must be supervised to make sure they will not play with the device.

Failure to comply norms, laws or basic safety precautions, may cause accidents during operation, maintenance and repair of the vacuum cleaner. Accidents can frequently be avoided by recognising potentially hazardous situations before they occur. Adequate training is crucial to this end.

DEPURECO shall not be held liable for accidents or damage due to the improper use of the vacuum by untrained personnel or to failure to comply, even partially, with the occupational safety standards and intervention procedures contained in this manual.

Safety warnings and precautions are indicated in this manual as well as on the product itself. Operators must pay special attention to these hazard warnings to prevent accidents with serious consequences for themselves and other people.

DEPURECO designs and manufactures its equipment and accessories with care, identifying and compensating possible risks related to their use. In the event of equipment, procedures, work methods or techniques not expressly provided for by DEPURECO being used, it is crucial to ensure beforehand that there are no dangers for oneself and the others. Nevertheless, DEPURECO shall not be held liable.



Use exclusively Depureco original spare parts.

Depureco disclaims any liability in case spare parts other than original have been used.



2.2 Safety recommendations



WARNING!

The following information is essential in view of preventing all hazards that may occur while the vacuum cleaner is running. However, they cannot replace the expertise and common sense of operators as an overall framework for the prevention of accidents.

Structural damage, alterations or improper repairs can modify the protective capacity of the vacuum, thereby nullifying this certification and releasing DEPURECO from any liability.

Each section lists further safety measures specific to the various functions.

WARNING!

Setting to work – connection to the power supply

- Make sure there is no evident sign of damage to the vacuum cleaner before starting work.
- Before plugging the vacuum cleaner into the electrical mains, make sure the voltage rating indicated on the data plate corresponds to that of the electrical mains.
- Plug the vacuum cleaner into a socket with a correctly installed ground contact/connection. Make sure that the vacuum cleaner is turned off.
- The plugs and connectors of the connection cables must be protected against splashes of water.
- Check that the vacuum cleaner is properly connected to the electrical mains.
- Use the vacuum cleaner only when the cables that connect to the electrical mains are in perfect condition (damaged cables could lead to electric shocks!).
- Regularly check there are no signs of damage, excessive wear, cracks or ageing on the electric cable.

WARNING!

When the vacuum cleaner is operating, do not:

- Crush, pull, damage or tread on the cable that connects to the electrical mains.
- Only disconnect the cable from the electrical mains by removing the plug (do not pull the cable).
- Only replace the electric power cable with one of the same type as the original: H07 RN - F. The same rule applies if an extension is used.
- The cable must be replaced by the manufacturer's Service Centre staff or by equivalent qualified personnel.



CAUTION!

It is absolutely forbidden;

- For underage and non-trained people to use this vacuum cleaner.
- To connect the vacuum cleaner to mains without suitable earthing.
- To operate the vacuum cleaner outdoors in the presence of atmospheric precipitations.
- To operate the vacuum cleaner without locking the swivelling wheel through the special brake located on it.
- To operate the vacuum cleaner on uneven ground or in non-horizontal positions.
- To operate the vacuum cleaner in corrosive environments.
- To operate the vacuum cleaner in working environments not classified according to the directions given on the device's plate.
- To vacuum the following materials:
 1. Flaming materials (embers, hot ashes, lit cigarettes etc...)
 2. Open flames
 3. Combustible gases
 4. Flammable, combustible or aggressive liquids (gasoline, solvents, acids, alkaline solutions etc...)
 5. Dusts/Substances and/or spontaneously combusting explosive mixtures of them (magnesium or aluminium dusts etc...)
- To tamper with or modify the return valve set up by the manufacturer
- The use of the JETCLEAN system in the presence of potentially explosive clouds in the atmosphere.
- To carry out maintenance on the vacuum cleaner in ATEX classified areas
- To carry out maintenance on the vacuum cleaner without first having switched the device off and disconnected the plug from the socket.
- To keep foreign materials such as debris, oil, tools or other objects in the bin which could disrupt the functioning and cause harm to people.
- To use flammable or toxic solvents such as gasoline, benzene, ether or alcohol for cleaning.
- To operate the vacuum cleaner without the filtering unit provided for by the manufacturer.
- To operate the vacuum cleaner without safety devices.
- To wear loose or flowing apparel such as ties, scarves, or torn clothing that could get caught on the vacuum cleaner or vacuumed by the device.
- To open the waste bin while the vacuum cleaner is working.
- To open the waste bin in an area which has been classified potentially explosive.
- To use extension leads, plug-in connection devices and adapters.
- To climb on the vacuum cleaner.



- To touch electrical wires, switches, buttons, etc. with wet hands.
- To touch some components which could reach high temperatures (such as the motor's terminal box and the motor housing in particular) while operating the vacuum cleaner.



WARNING!

This vacuum cleaner could contain dust that may be hazardous to your health. The emptying out and maintenance procedures, including removing the dust containers, must be carried out exclusively by specialized personnel wearing suitable safety clothing. Never switch the machine on in the absence of a complete filtering system.

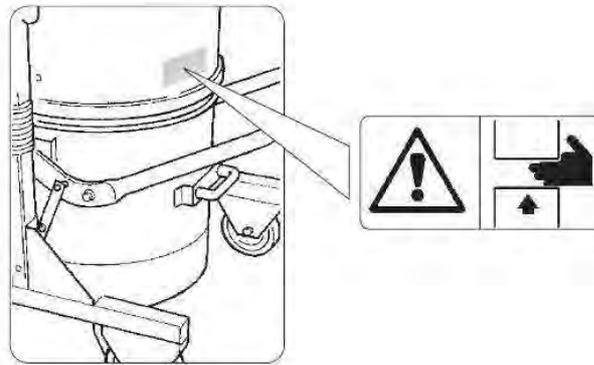
2.3 Safety plates and symbols

Plates with safety symbols and/or messages are applied to the vacuum and its packaging. These pages show their precise location and the nature of the hazard.



Warning!

Ensure that all safety messages are perfectly legible. Clean them using a cloth with water and soap. Do not use solvents, naphtha or petrol. Request replacements for damaged plates from DEPURECO. If a plate is located on a component that is being replaced, make sure to fit the old plate to the new component.



Warning!

Crushing hazard for the upper limbs during insertion and locking of the dirt container under the vacuum cleaner. Never place your hands between the vacuum and the dirt container while inserting and locking the latter under the vacuum cleaner. Lock the container by means of the special lever, using **BOTH HANDS**



Warning!

Read carefully this use and maintenance manual before using the vacuum cleaner or carrying out maintenance operations on it



Read carefully the instructions on the packaging before handling the vacuum cleaner

2.4 Residual risks

DEPURECO recommends complying with the instructions, procedures and recommendations in this manual and with the safety standards in force. DEPURECO also recommends using suitable personal protective equipment as well as the protection devices integrated in the vacuum.

The residual risks analysed on the vacuum and/or its components could be:

Electrical risks during maintenance due to the requirement to work on live parts

Pursuant to Italian Legislative Decree 81/08 – articles 80 to 87 – it is prohibited to operate on live parts, notwithstanding the exceptions set forth by said Legislative Decree.

Risks associated with incorrect use in presence of explosive and inflammable liquid substances

The vacuum must not be used in environments containing liquid substances or liquids that can evaporate at room temperature, inflammable powders and gas.

Risks related to operation in humid environments

Respect the limitations indicated in this manual, in section 1.5 “Authorised environmental conditions”.

Risk of incorrect interpretation of the safety pictograms

With reference to risk analysis and identification, DEPURECO has installed hazard labels on the vacuum, in compliance with the standards concerning graphical symbols.

The user must immediately replace any safety plate rendered illegible due to wear or damage.



Warning!

The removal of safety plates from the vacuum and/or its components and packaging is strictly prohibited.

DEPURECO shall not be held liable for the vacuum's safety in the event of failure to comply with this prohibition.



2.5 Applied Directives

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

- 2006/42/EC Machinery Directive
- 2014/30/EU Electromagnetic compatibility directive
- 2011/65/EU ROHS - Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- 2014/35/UE Low tension directive

The reference standards, including their binding requirements, are managed within the DEPURECO Quality Management System and archived by DEPURECO.



3. HANDLING, UNPACKING AND INSTALLATION SECTION

3.1 Handling

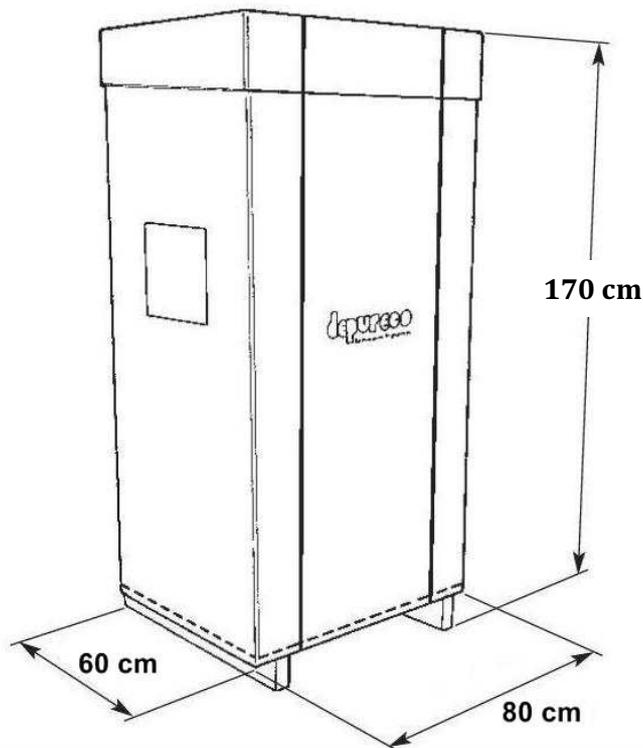


Warning!

The instructions for transporting and unpacking the vacuum correctly are shown on the packaging as well.

The following instructions also indicate the operations to be undertaken should the vacuum need to be re-packed or unpacked after subsequent transportation.

Dimensions of packed vacuum cleaner:



The vacuum cleaner must be lifted and handled exclusively using a forklift having suitable load bearing capacity.

When using a forklift, lift the load 200 mm off the ground and swing backwards.

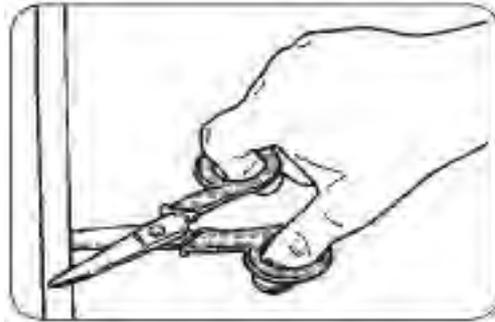
Always keep the height of the working environment in mind when lifting loads.

Before starting any movement, ensure that the area is cleared and that there are no moving objects on the packaging. For lifting and handling, apply operating safety laws and normal instructions for fork-lift truck driving.

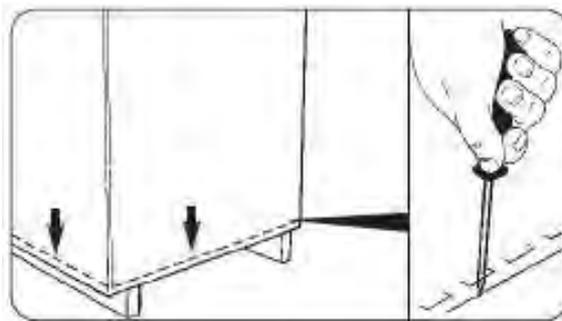


3.2 Unpacking

- Cut and unwind the two packaging fixing belts



- remove the staples that fix the carton packaging to the pallet with the aid of a screwdriver

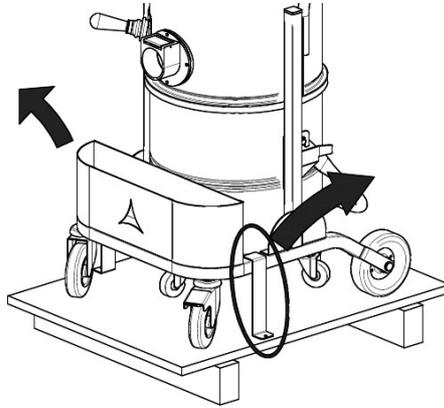


- remove the carton completely





- Unscrew and remove from both sides the fixing screws and brackets.



The cardboard packaging can be recycled. To protect the environment, make sure to dispose it off in specialised collection centres.

Keep the pallet.

In the event of subsequent transport, the vacuum must be secured to the pallet using the same fastening system.



3.3 Installation



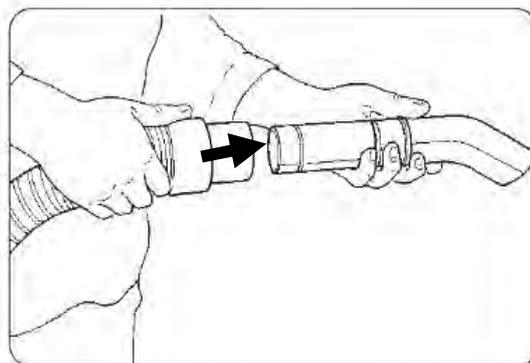
Caution!

Before installing the vacuum, it is important to carry out a thorough preventive visual inspection to identify any damage which may have occurred during transport.

In the event of one or more components being damaged, do not continue with installation, inform DEPURECO about the anomaly and agree upon action to be taken.

The vacuum cleaner is already fitted with an appropriate filter intended exclusively to vacuum dry dust or debris

- Insert the hose equipped with a sleeve in the special suction inlet
- insert the desired accessory according to the type of extraction on the opposite side of the hose



Note: the flexible hose and the relevant end-pieces and accessories are not included with the STANDARD model. Contact your dealer (or DEPURECO) for information regarding the various types of OPTIONALS that can be used on this specific model.

The following operation must be carried out by a qualified electrician.

Ensure that the power supply line corresponds to the voltage and frequency indicated on the identification plate and that it is efficiently earthed.

The vacuum cleaner's electrical current supply socket must be protected by a CE-marked circuit breaker.

Insert the plug (standard supply) into the socket.



Warning!

Do not insert the plug in the power supply socket with wet hands.
Do not use extension leads.



4. OPERATION SECTION

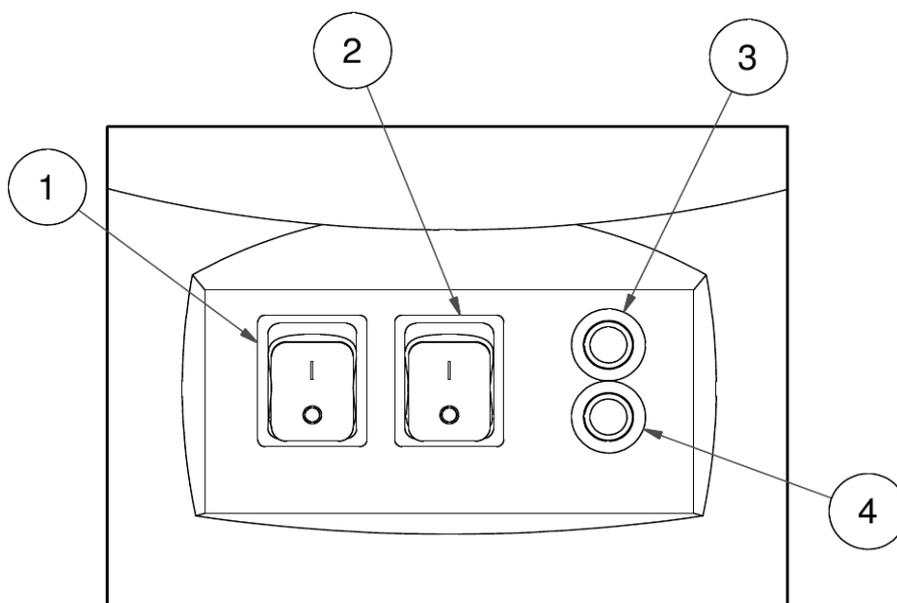
4.1 Description of the controls



Warning!

The vacuum can be used solely by authorised personnel after having read these use and maintenance instructions.

The user of the equipment and the maintenance technician, who carry out operations on the vacuum, must be adequately educated, informed and trained, in compliance with the occupational safety standards in force and, during the various operations, must wear personal protective equipment (PPE), such as safety footwear, gloves, protective goggles, mask, etc. The user must comply with the provisions in force concerning extracted materials and their disposal.



1. I/O Switch: START/STOP first motor
2. I/O Switch: START/STOP second motor
3. White indicator light: PRESENCE OF VOLTAGE
4. Red indicator light: FILTER CLOGGING



4.2 Operating cycle

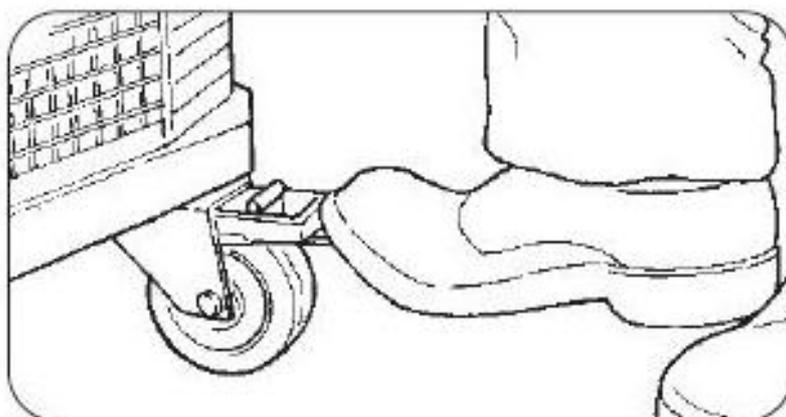
Ensure that the power cord is intact and in perfect state.



Warning!

Before inserting the plug, ensure that the voltage of the power supply line corresponds to the one indicated on the vacuum's identification plate.

- Make sure the plug is correctly inserted into the socket
- Make sure the hose is properly inserted and locked in the suction inlet (Detail N°5, Chap. 1.2)
- Make sure the bin (Detail N° 8, Chap. 1.2) is located and blocked under the filter chamber (Detail N° 4, Chapter 1,2) of the vacuum cleaner
- Ensure that the Longopac® bag is located and blocked under the filter chamber and that the portion of bag is ready for use (See chapter 4.6)
- Secure the vacuum cleaner using the lever on the swivel caster, as shown in the figure.



Warning!

Do not move the vacuum cleaner while it's working

- Hold the end of the hose with the chosen vacuum accessory.
- To start vacuuming turn the switch (1 or 2) to "I", to interrupt the operation turn the switch (1 or 2) to "0"
- For greater suction power it is possible to activate both motors by turning both switches (1 or 2) to "I"



Caution!
Before switching the machine on again make sure that the motors have fully stopped.

The red indicator light (4) signals the filter's clogging. When the light comes on or the vacuum value is higher than the one shown on the table below, check first if the hose or the vacuuming accessory aren't clogged. In that case it will be necessary to remove what is causing the clogging, otherwise the filter must be cleaned as described in the following section of this manual.



Caution!
While the device is running, prevent the flexible hose from rolling up or kinking.

Model	Clogged filter value	
XM 35	-0.135 bar	-13,5 kPa
XM 35 LP		



Caution!
Never use the vacuum cleaner with the filter clogged.



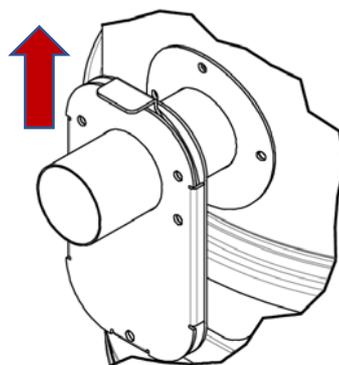
4.3 Cleaning the filter (JetClean® System)

To clean the filter cartridge, the vacuum cleaners of the XM 35 series, are equipped with the JetClean® cleaning system. The system works thanks to the difference in pressure between the internal atmosphere and the external atmosphere leading to the dust becoming detached from the filtering fabric of the cartridge, without needing to switch the vacuum cleaner off.

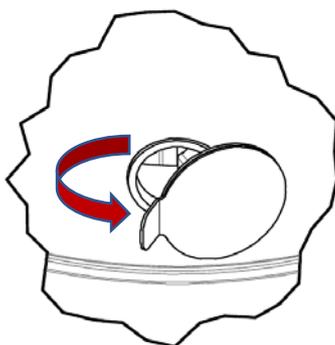
The system is made up of a disk lid on the filter chamber and a shutter situated on the inlet.

Proceed as follows to clean the filter:

- With the vacuum cleaner turned on, lift the sliding damper on the inlet

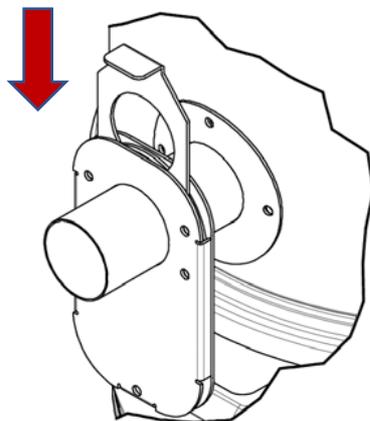


- Open the JetClean® valve for a few seconds (Detail n°3, Chap. 1.2) and repeat this operation a couple more times.





- Lower the shutter (detail no. 5, chap. 1.2) and resume normal use



Warning!
The JetClean® cleaning system only works with the vacuum cleaner switched on.



4.4 Emptying the bin

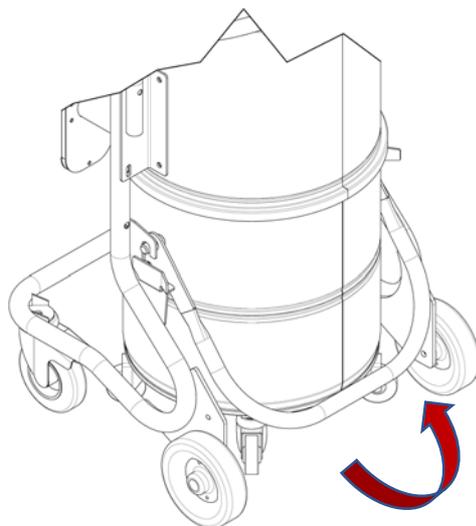


Warning!
Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).

Depending on the type and quantity of material being vacuumed, it is necessary to periodically check the bin to avoid filling it excessively.

Proceed as follows to empty the container:

- Switch the machine off
- As previously mentioned the vacuum is blocked thanks to the brake on the pivoting wheel
- Unlock the container by lifting the special handle.



- empty the bin in a dedicated container for waste disposal



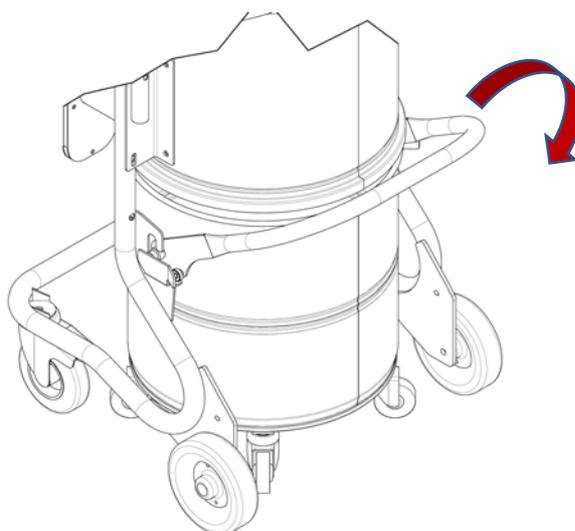
Warning!
If the bin weighs more than 15 Kg, at least two people are needed to empty it.
Waste disposal must take place in accordance with the laws in force in the country of use of the vacuum cleaner - for Italy Legislative Decree 152/2006 and amendments



4.5 Inserting and locking the bin

Follow the steps below to insert and lock the bin:

- Insert the container under the vacuum
- Lower the lever using both hands



Warning!
Upper limb crushing hazard!

Never insert your hands between the dirt container and the vacuum cleaner in the locking phase



4.6 Replacing parts of the Longopac® sac (if provided)

As previously mentioned during the replacement operation for the single parts of the sac



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

Depending on the type and quantity of material being vacuumed, it is necessary to periodically check the sac to avoid filling it excessively.

Proceed as follows to replace the portions of used sac:

- Switch the machine off
- Block the vacuum cleaner using the lever on the swivelling wheel
- Close the upper part of the sac with a clamp (provided with the kit)
- Separate the sac portions by cutting between the two clamps
- Remove the portion of the sac containing the vacuumed material, then pull the sac until it reaches the plate at the bottom of the vacuum cleaner to have another sac, ready for use.

- Resume with the machine's usual operations



Warning!
If the sac weighs more than 15 Kg, at least two people are needed to empty it.
Waste disposal must take place in accordance with the laws in force in the country of use of the vacuum cleaner - for Italy Legislative Decree 152/2006 and amendments

Pay attention to the graphical references on the sac, they indicate the remaining length of the sac.

4.7 Storage – Decommissioning

Remove the filter and clean it; empty the refuse collection container and store the vacuum in a place protected against weather agents with the temperature ranging between 5 and 45 °C and cover it with a nylon tarp to protect it against dust.



5. MAINTENANCE SECTION



Warning!

Special vacuum maintenance must be carried out solely by specialised technicians authorised by the DEPURECO dealer.

5.1 Informative notes

This section describes the checks and routine maintenance operations required to ensure proper vacuum operation.

Maximum reliability and minimum maintenance costs are the result of a planned maintenance and inspection schedule carefully followed throughout the entire lifespan of the vacuum.

Observe the set maintenance intervals and schedule the interventions according to specific requirements in relation with the vacuum production cycle.

Always use perfectly working tools specifically intended for the operation to be carried out; the use of inadequate or inefficient tools can cause severe damages.

Any other intervention required to remove faults or malfunctions must be expressly authorised by the manufacturer.

In these cases, always communicate the vacuum identification data - see para. 1.4 of this manual.

For significant repairs, refer to the authorised dealer, whose specialised personnel has the technological expertise and is always available for prompt interventions.

For user maintenance operations, the vacuum must be disassembled, cleaned and maintained, where possible, in such a way as to prevent hazards to the maintenance personnel and to third parties. Suitable precautionary measures include decontamination before dismantling, measures for filtered forced ventilation of the room where the appliance is disassembled, cleaning of the maintenance area and suitable personal protection equipment.

Once every three months (or more frequently, according to the operating cycle and the conditions of use), the manufacturer or a qualified technician must check the filters, ensuring that they are not damaged; the tightness of the air system and proper operation of the control devices.

Should maintenance operations or repairs be carried out, all contaminated objects must be adequately cleaned, placed in waterproof bags and disposed of in compliance with the regulations in force.



5.2 General safety regulations



Warning!

All the operations described above must be carried out with the plug disconnected from the socket.



Before starting any maintenance or cleaning operation, wear suitable PPE (protective clothing, goggles and/or gloves, etc.) according to the work to be done.

Place a sign on the vacuum with the message:

“MACHINE UNDER MAINTENANCE
DO NOT START”



Before returning to use, the whole system must be checked according starting procedures.

Run a few trial operating cycles after every maintenance operation to ensure proper machine operation.

Failure to observe these precautions can cause serious injury to personnel.

Maintenance operations must be carried out by trained technicians specialised in the following sectors:

- Mechanical maintenance
- Electrical maintenance

It is the Safety Manager's duty to ensure the professionalism and skills of these technicians.

Before starting any maintenance operation, the Safety Manager must:

- Keep unauthorised personnel out of the work area.



- Ensure that the necessary tools are in good conditions and readily available to the maintenance technician.
- Ensure the maintenance technician is equipped with the personal protection equipment required for the specific operation (gloves, goggles, shoes, mask, etc.)
- Make sure the maintenance technician has carefully read the instructions contained in this manual and has perfectly acquired knowledge on the operation of the vacuum and its components.



- Ensure that there is enough light and, if necessary, provide 24 Volt torches.

Before starting any maintenance operation, the Maintenance technician must:

cut off all power supplies and set the vacuum cleaner in safety lock condition



Warning!

If absolutely necessary operating with the power turned on, pursuant to Italian Legislative Decree 81/08, the maintenance technician must maintain a safe distance, prepare reachable emergency stop buttons and never place hands in the discharge container.

At the end of the procedure and before returning to use, the maintenance technician must check that guards are functioning correctly and the protection devices are intact.

Operations on the motors or on other electrical components must only be carried out by the specially trained electrical maintenance technician authorised by the Safety Manager.



Warning!

After any maintenance intervention, the Health and Safety Manager is required to check the safety conditions of the vacuum cleaner and of its safety devices.

Before every work shift

- Check that the power cord and the plug are not damaged: replace them immediately if there are any signs of wear, using a cord of the same type (information c/o DEPURECO). This operation is the sole responsibility of an electrician.
- Check the integrity of the safety symbols (pictograms) applied to the vacuum cleaner.
- Verify the efficiency of the filters by checking the vacuum gauge.
- Check the integrity of the hose and of the accessories to be used.



Warning!

The flexible hose, if perforated, reduces the suction power and releases dust into the surrounding environment.



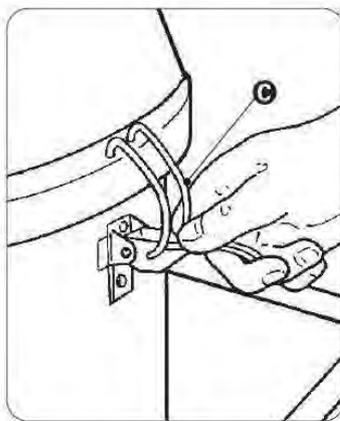
5.3 Replacing the filter cartridge



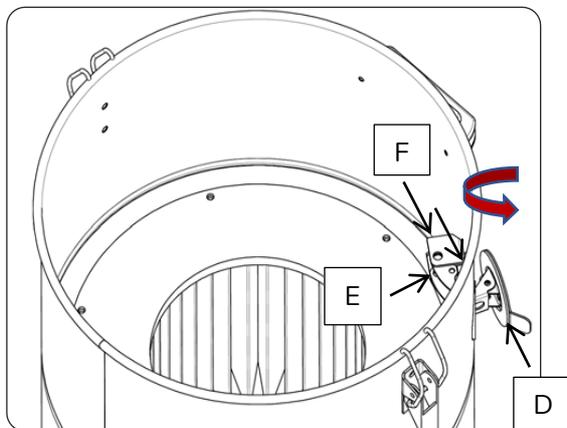
Warning!
Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).

Proceed as follows to replace the filter:

- Switch the machine off
- Unplug the vacuum cleaner from the socket
- Unlock the locking hooks on both sides

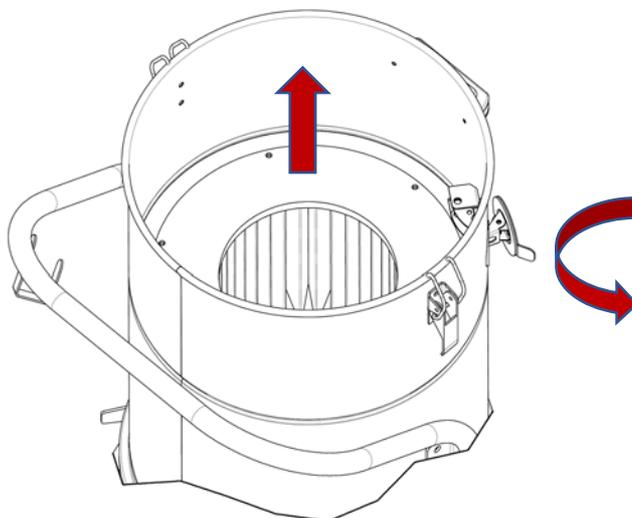


- Remove the vacuum's cap
- Remove the HEPA filter (if provided)
- With the help of another person, hold the JetClean® cleaning system disk lid open, take the disk lid's (D) fastening screws out, then, remove the fastening nuts and the spring (E) at the junction of the JetClean® system and the chamber (F) support.





- Unscrew the filter cartridge end remove it from inside the chamber



Remove the filter, put it in a plastic bag, seal it and dispose it of according to the current legislation on the type of material extracted

To reassemble the filter, operate in reverse order:

- Insert the new filter in the support ring and lock it by means of the fastening clip (H)
- lock the filter to the cage by tying the special laces on the bottom side
- insert the filter with ring and cage inside the filtering chamber paying particular attention to the alignment of the cage with the filter shaker's handle
- Insert the lever's end into the appropriate seat on the bottom of the cage, then insert the fastening clip
- Place the HEPA Filter (if provided) on top of the filter
- Insert and block the bin or the Longopac® sac
- lock the cap with the dedicated locking hooks (C)
- Connect the vacuum cleaner to the mains
- Turn the vacuum cleaner on, immediately assessing its efficient operation



5.4 Replacing the HEPA filter (if provided)

Proceed as follows to replace the filter:

- Switch the vacuum off
- Disconnect the vacuum cleaner from the power socket
- Unlock the HEPA filter from both sides of the vacuum's head
- Remove the vacuum's head
- Remove the HEPA filter and lay it, overturned, on a work bench. Then unscrew the filter's fastening screw



remove the filter, put it in a plastic bag, seal it and **dispose it of according to the applicable legislation on** the type of material collected.

To reassemble the HEPA filter, operate in reverse order:

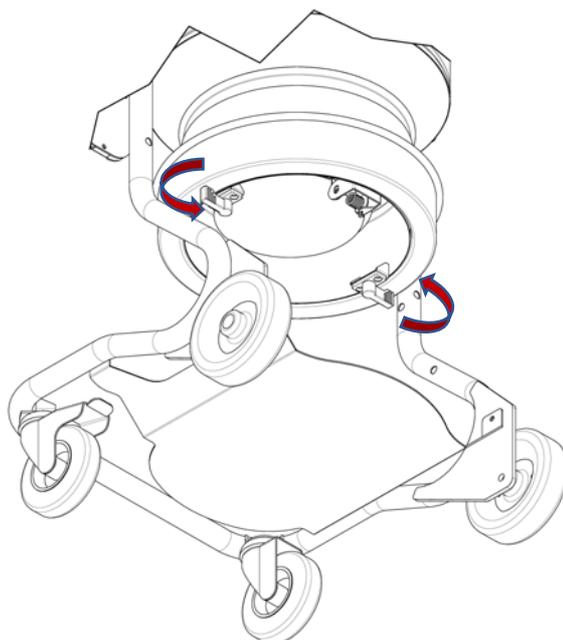
- Fit the new filter and screw it onto the holding cage by means of the screw previously removed. Make sure it is correctly fixed.
- Reposition the HEPA filter on the filter chamber and lock it with the appropriate locking hooks
- Position the vacuum cleaner's head above the HEPA filter, then lock it with the appropriate locking hooks
- Connect the vacuum cleaner to the mains
- Switch the vacuum cleaner on by positioning the main switch to "I", then check to make sure it works properly.



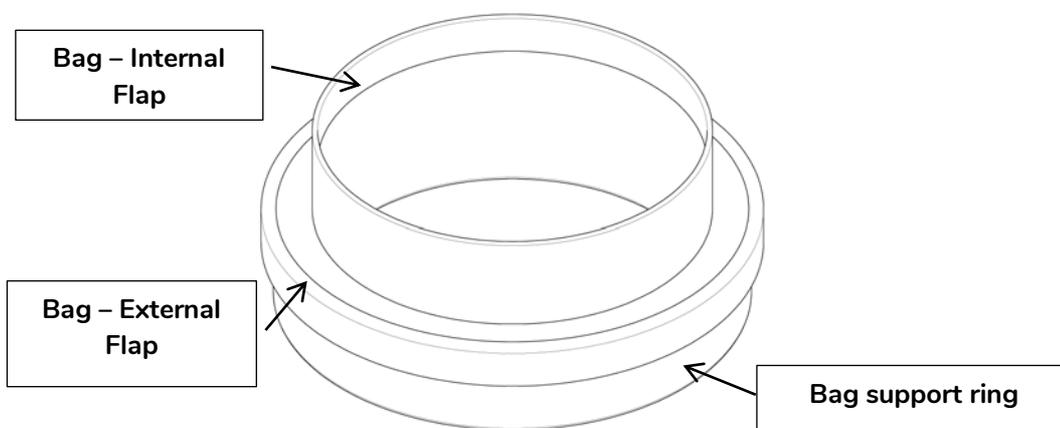
5.5 Replacing the Longopac® bag (if provided)

Proceed as follows, to replace the Longopac® bag

- Switch the vacuum off
- Rotate the red hooks placed under the filter chamber to unlock the bag



- Remove the support ring and the last portion of bag
- Position the bag inside the ring making sure that the internal and external flaps of the bag are outside the ring's edges





- Position the support ring under the chamber and block it by turning the dedicated red hooks back in place
- To prepare the first portion of bag for use pull the external flap of the bag until the vacuum's base and close the lower part of the bag with the provided fastening clamp.
- Switch the vacuum on, immediately assessing its efficient operation.

EXCLUSIVELY USE FILTERS MANUFACTURED BY DEPURECO

5.6 Troubleshooting

FAULT DETECTED	POSSIBLE CAUSE	SOLUTION RECOMMENDED
The vacuum cleaner will not start	<ul style="list-style-type: none"> - No electric supply 	<ul style="list-style-type: none"> - Check for the presence of voltage in the socket - Check the integrity of the socket and the cable - Contact DEPURECO's technical assistance
Irregular values on the pressure gauge	<ul style="list-style-type: none"> - Clogged filter 	<ul style="list-style-type: none"> - Shake the filter - If this solution is not effective, replace it.
	<ul style="list-style-type: none"> - Clogged hose 	<ul style="list-style-type: none"> - Check the vacuum hose and clean it.
Excessively noisy motors	<ul style="list-style-type: none"> - Faulty motor 	<ul style="list-style-type: none"> - Contact DEPURECO's technical assistance



5.7 Scrapping



In case of scrapping, to avoid damage to the environment, all components of the vacuum cleaner, must be disposed of responsibly, in appropriate landfills, in compliance with current legislation - for Italy Legislative Decree no. 152/2006 and subsequent amendments. (subsequent modifications and additions).

Before scrapping the machine, the plastic and rubber materials must be separated from the electrical material.

Correct disposal of the product (electrical and electronic equipment waste)

The electrical and electronic parts of this product must be disposed of in compliance with Italian Legislative Decree 151/2005 and subsequent amendments. (Directive 2002/96/EC on WEEE - Waste Electrical and Electronic Equipment)

The parts of the vacuum made of plastic material, aluminium and steel can be recycled in appropriate centres.



In the event of doubts, avoid interpreting the information! Call immediately your reseller!



MAINTENANCE LOG:

INTERVENTION 1:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

INTERVENTION 2:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

INTERVENTION 3:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

INTERVENTION 4:

DATE:

TECHNICAL ASSISTANCE:

TYPE OF INTERVENTION:

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