



USER AND MAINTENANCE MANUAL







MINIBULL M45 H ACD M45 H ACD INERT

TRANSLATION FROM ORIGINAL INSTRUCTIONS

Depureco Industrial Vacuums Srl

Company subject to management and coordination COFISE spa

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1. SECTION INFORMATION

1.1 PREFACE

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

This document is the exclusive property of DEPURECO S.r.I. Therefore, its reproduction by any means (graphic, computer, etc.), partial or total, is prohibited without the authorization of the Company Management.

It is recommended that you carefully read the messages, warnings and directions, preceded by the

symbols: 🐣 for the safety of people and the integrity of the vacuum cleaner;

For the preservation of the environment.

This vacuum cleaner is designed for vacuuming dust and processing residues.

This manual is an integral part of the vacuum cleaner and must accompany it, until its demolition. In case of loss or damage, a replacement copy should be requested from DEPURECO INDUSTRIAL VACUUMS S.r.l. (hereafter referred to simply as DEPURECO).

Some details depicted in the illustrations in this manual may differ from those in your vacuum cleaner, as some components may have been removed in order to ensure maximum clarity of the illustrations.

The topics covered in this manual, are those expressly required by the Machinery Directive 2023/1230 and the technical data given are derived from the technical file archived at DEPURECO.

This manual can be accessed via the QR code affixed to the vacuum cleaner or via the website www. depureco.com. Alternatively, contact the manufacturer Depureco. The manual should be made available to all personnel responsible for operating and maintaining the vacuum cleaner For any dispute, the Court of Turin (Italy) shall have jurisdiction.

The QR code with the manual must accompany the vacuum cleaner in case of resale!

1.2. DECLARATION OF CONFORMITY.



DICHIARAZIONE DI CONFORMITA'

L'azienda costruttrice:

DEPURECO INDUSTRIAL VACUUMS S.r.l. – Via Venezia, 32 – 10088 Volpiano (TO) – ITALIA | Tel. +39 011 98 59 117 – Fax + 39 011 98 59 326 – C.F. | P.IVA 02258610357 e-mail: <u>depureco@depureco.com</u> – <u>www.depureco.com</u>

dichiara

sotto la propria responsabilità che il modello di aspiratore descritto in questo manuale

è conforme ai requisiti essenziali di sicurezza previsti dalla **Direttiva Macchine 2006/42/CE**, dalla **Direttiva 2014/30/UE** relativa alla compatibilità elettromagnetica e dalla **Direttiva 2011/65/UE - ROHS -** sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche.

La conformità è stata verificata in base ai requisiti delle norme o dei documenti normativi:

EN 60335-1

EN IEC 61000-3-2:2019 EN 60335-2-69 EN 55014-2:2015

EN IEC 63000:2018

Le norme utilizzate come riferimento per la progettazione, la realizzazione ed il collaudo dell'aspiratore, sono elencate nel fascicolo tecnico archiviato presso l'Ufficio Tecnico DEPURECO S.r.l.

Il controllo di produzione è stato effettuato dall'Organismo Notificato n. 0474 RINA Services S.p.a.

La presente dichiarazione perde la sua validità in caso di modifiche sull'aspiratore, eseguite senza l'autorizzazione del Costruttore.

Prima emissione:15 giugno2019Revisione 01:16 ottobre2023Revisione 02:26 aprile2024

--/------Il legale Rappresentante

Marco Devincentis

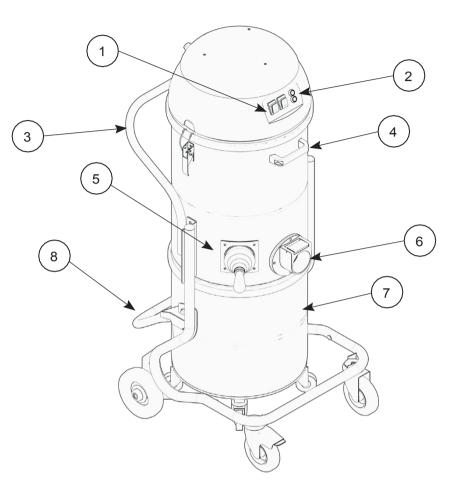
Depureco Industrial Vacuums Srl

PERFORMANCE ON VACUUM SINCE 1972

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1.3. IDENTIFICATION OF THE MAIN PARTS



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- 1. on/off controls
- voltage warning lights and clogged filter handle for handling 2.
- 3.
- filter chamber 4.
- 5. filter shaking lever
- 6. suction nozzle
- 7. container for collecting aspirated material
- 8. container release lever

1.4. MANUFACTURER'S IDENTIFICATION DATA.

Depureco Industrial Vacuums S.r.l.

Via Venezia 32, 10088, Volpiano (TO), Italy tel: +39 011 98 59 117 fax: +39 011 98 59 326 email: depureco@depureco.com website: www.depureco.com P.I. 02258610357

1.5. NAMEPLATE



1.6. WARRANTY

DEPURECO guarantees this vacuum cleaner model for a period of 12 months from the date of purchase, indicated on the fiscal document when the product is delivered. The warranty shall be void if the vacuum cleaner has been repaired by unauthorized third parties or if equipment, accessories or components not supplied or authorized by **DEPURECO or** for which the serial number is found to have been removed (during the warranty period) are used. **DEPURECO** agrees to repair or replace free of charge those parts or components that within the warranty period are proven to be defective from manufacture.

Repairs are carried out exclusively at our premises or at the Service Center indicated by us and must be received carriage paid (freight charges to be paid by the user, unless otherwise agreed).

The warranty does not cover the cleaning of working organs.

The purchase tax document must be shown to the authorized technical personnel performing the repair or must accompany the vacuum cleaner in shipment. Defects not clearly attributed to material or manufacture will be investigated exclusively at our office or at our designated Technical Service Center. Should the claim prove to be unjustified, all costs of repair and/or replacement of parts, will be charged to the purchaser.

Excluded from the warranty are: accidental damage due to transportation, carelessness or inadequate handling, improper use, not in accordance with the warnings in this booklet, or arising from phenomena not dependent on normal use/operation of the vacuum cleaner.

DEPURECO accepts no responsibility for any damage to persons or property, caused by bad or imperfect use of the vacuum cleaner.

For any dispute, the Court of Turin (Italy) shall have jurisdiction.

1.7. INTENDED USES.

MINIBULL

This vacuum cleaner is intended:

- to industrial use, such as in manufacturing plants or warehouses;
- To dry/wet cleaning of floors or walls;
- To the suction of wet or damp substances;
- To the extraction of dry, non-combustible dust.

Any other use is considered **NOT SUITABLE for** its intended purpose. The vacuum cleaner **is not suitable** for vacuuming hazardous and health-damaging dust.

M45 H ACD

This vacuum cleaner is designed for:

- vacuum in industrial environments;
- Vacuum up dry, flammable, settled and health hazardous dust (dust class H according to EN 60335- 2-69);
- Vacuum non-explosive dust;
- Vacuum flammable dusts of all explosion classes (except dusts with minimum ignition energy ME < 1 mJ);
- flammable dust from a zone 22 if the equipment is installed outside potentially explosive areas.

If there is an Ex-rated zone at the location where the device is installed, a corresponding Ex-rated device must be used. Any other use is considered **NON-CONFORMING.**

The device is **NOT** suitable for:

- Vacuuming of ignition sources and dust with a glow temperature ≤ 190 °C;
- Inhale explosive substances or equivalent, explosive vapor-air mixtures, as well as AI and Mg dust;
- Vacuuming of flammable fluids (flammable, easily flammable, highly flammable according to the Dangerous Substances Directive 67/ 548/EEC) (flash point less than 55 °C), as well as mixtures of flammable powders with flammable fluids;
- Aspirate mixtures of flammable fluids and flammable dusts;
- Inhale glowing or hot particles to avoid causing a fire or explosion.
- Be connected to a machine that generates dust.

M45 H ACD INERT

This is designed to be used with the inert liquid and allows:

- Vacuum up dry, flammable, settled and health hazardous dust (dust class H according to EN 60335- 2-6);
- Vacuum flammable dust of any dust explosion class;
- Vacuum flammable dust from a zone 22 if the equipment is installed outside potentially explosive areas;
- Vacuum titanium dust Explosive and conductive dust Magnesium dust or aluminum dust -Condensation dust and explosive metal dust from additive manufacturing (3D printing).

If there is an Ex-rated zone at the location where the device is installed, a corresponding Ex-rated device must be used. Any other use is considered non-compliant.

The device is not suitable for:

- Vacuum ignition sources and dust with a glow temperature ≤ 190 °C;
- Intake of explosive substances or equivalent, explosive vapor-air mixtures;
- Suction of mixtures of flammable fluids and flammable dusts;



- Suction of incandescent or hot particles;
- aspiration of toxic substances;
- Be connected to a machine that generates dust.

To ensure proper operation, the vacuum cleaner must be located away from weather (rain, hail, snow, fog, suspended dust, etc.) with an ambient temperature between

5° and 45°C and with humidity not exceeding 70%. The working environment should be clean, sufficiently bright and in the absence of a potentially explosive atmosphere.

The temperature of the surfaces of an **ACD vacuum cleaner** in contact with combustible dust must not exceed 135° C.

1.8. TECHNICAL DATA.

	Unit of measurement	MINIBULL	M45 H ACD	M45 H ACD INERT
Weight	kg	45	45	50
Dimensions	mm	550 x 620	550 x 620	550 x 620
Height	mm	1400	1600	1600
Supply voltage	V	230	230	230
Power	kW/HP	2,6 - 3,5	2,6 - 3,5	2,6 - 3,5
Continuous vacuum	mBar	250	250	250
Air flow rate	m3/h	380	380	380
Primary filter surface	cm2	15.000	15.000	35.000
Absolute filter surface	cm2	-	22.000	22.000
Noisiness	dB(A)	72	72	72
Type of container		Collection container	Collection container	Intertization container
Maximum capacity	L	45	45	45
Suction mouth diameter	mm	70	70	50

2. SECTION SECURITY

2.1. SAFETY INFORMATION

Pursuant to Legislative Decree 81/08 and subsequent additions and amendments, the Safety Officer is obliged to educate, inform and train workers on the risks associated with the use of the vacuum cleaner so that they are able to protect their own and others' safety.

Failure to observe basic safety regulations or precautions, could result in an accident during the use, maintenance and repair of the vacuum cleaner. An accident can often be avoided by recognizing potential dangerous situations before they occur. Proper training is the basic prerequisite for this.

\rm 🗛 WARNING

Use only original Depureco spare parts. We disclaim any responsibility for the use of non-original spare parts.

2.2. SAFETY REQUIREMENTS

WARNING!

The directions below play an important role in completely preserving you from all the hazards you may encounter when operating the vacuum cleaner.

However, they will not be able to be separated from the competence and common sense of those who work, as an overall framework for careful accident prevention.

Additional safety requirements specific to different operations are listed in each section.

Prior to use, operators should receive the necessary training in the use of the machine and information on the substances for which it is to be used, including safe methods for removal and disposal of collected material.

ALL MODELS

- This vacuum cleaner is suitable for industrial use, for example: factories, warehouses, workshops.
- The vacuum cleaner should be used by adult and properly trained people.
- Use the device only indoors.
- Make the electrical connection only to an efficiently grounded network
- The device should not be used or stored outdoors in humid conditions.
- For safe support of the appliance, apply the parking brakes on the rue. If the parking brake is open, the
 appliance may move uncontrollably.Make the electrical connection to an efficiently grounded
 network.
- 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 gasoline, benzene, ether and alcohol for cleaning.
- Avoid prolonged contact with solvents and inhalation of their vapors.
- Avoid use near open flames or heat sources; ensure adequate ventilation.
- If the exhaust air is recirculated in the room, there must be sufficient air exchange rate in the said room. to meet the required limit values, the recirculation volume flow rate must not exceed 50% of the volume of fresh air.
- Never use the vacuum cleaner without a filter.
- Do not place the vacuum cleaner on uneven or non-horizontal surfaces.
- Do not inhale lit cigarette butts: you may ignite the filter.
- Do not vacuum gasoline or generally flammable liquids.
- Make sure all shelters and guards are in place and that all safety devices are present and efficient.
- Do not wear loose or dangling garments such as ties, scarves, torn clothing that can snag or be caught by the vacuum cleaner.



- Danger of crushing! Wear gloves when removing the suction head, filter unit or collection container.
- Do not open the debris container with the vacuum cleaner running.
- Never insert your hands inside the container positioning rails: the movement of the lifting handle can cause fingers to be crushed.
- Extension lines, plug-in connection devices and adapters are not allowed.
- It is forbidden to get on the vacuum cleaner.
- Move the device only at walking pace and, on sloping paths, in twos if necessary.
- Do not touch electrical wires, switches, buttons, etc. with wet hands.
- Check the integrity of the power cord periodically.
- When using the industrial vacuum cleaner, some components (motor terminal board, motor body in particular) may reach high temperatures.
- Before a new work cycle, the personnel in charge must verify that the normal safe operating conditions of the vacuum cleaner and, in particular, the safety devices and protective guards involved in the operation are ensured.
- Pursuant to Legislative Decree 81/08-Articles 80 to 87-it is forbidden to work under voltage, except for the exceptions stipulated in that decree.
- In case of prolonged work breaks and after the end of use, turn off the appliance at the appliance switch and unplug the power plug.
- If present, do not tamper with or modify the limiting valve set by the manufacturer.
- Do not use the JetClean cleaning system in the presence of potentially explosive clouds in the atmosphere.
- Do not perform maintenance on the vacuum cleaner within Atex classified areas.
- The vacuum cleaner should not be used in an environment containing liquid substances or in the form of liquids that can vaporize at room temperature, flammable dusts, gases.
- Ensure that no dust escapes when replacing accessories.
- Avoid bending the suction hose.
- Perform regular visual inspection of hoses.
- Vacuum cleaners may contain dust harmful to health. Emptying and maintenance procedures, including the disposal of dust collection containers, should be carried out only by trained personnel wearing appropriate protective equipment.
- This manual should always be at hand, for reference on the intended cycle of operation and whenever in doubt.
- Use the protective equipment provided, either integrated into the vacuum cleaner or individual.
- In case the Customer installs on the vacuum cleaner a tool not supplied by DEPURECO, it is necessary to verify that the safety conditions, required by the Machinery Directive 2006/42/CE, are maintained and in any case DEPURECO does not take responsibility for any inconvenience resulting from the use of such part.
- Structural damage, modifications, alterations, or improper repair may change the protective capabilities of the vacuum cleaner thus nullifying this certification and excluding any liability on the part of DEPURECO.

M 45 H ACD AND M 45 H ACD INERT

- Observe the safety regulations applicable to the materials to be processed.
- Do not operate the device without the complete filter system.
- Simultaneous collection of several combustible dusts in the collection container may lead to fire or explosion.

M 45 H ACD INERT ACD

 Before turning on the M45 H ACD Inert vacuum cleaner, it is necessary to check that the inert liquid reaches the minimum level.

WARNING!

Use only silicone-based inerting oil with high dielectric strength (indicatively in the range of 10¹⁴ Ohm cm.).

2.3. NAMEPLATES AND SAFETY SYMBOLS.

Labels bearing safety symbols and/or messages are affixed to the vacuum cleaner and packaging. These pages indicate their exact location and nature of the hazard.

WARNING!

Ensure that all safety messages are legible. The user is required to immediately replace any safety plates that become illegible due to wear and tear or damage.

Clean them using a cloth, soap and water. Do not use solvents, naphtha or gasoline. Replace damaged plates by requesting them from DEPURECO.

If a nameplate is on a part that is being replaced, make sure a new nameplate is attached to the new part.







This sticker indicates that the device can vacuum combustible dust in areas not classified as Atex.

This sticker indicates that the device can vacuum dust up to class M.

This sticker indicates that the device can vacuum dust up to class H.

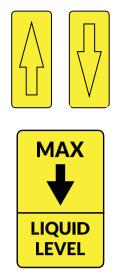


This sticker indicates the manual filter cleaning system.



This sticker warns of the danger of crushing limbs.





This sticker indicates the need to align the vacuum cleaner components for proper operation.

This sticker indicates the maximum liquid level inside the container.

				Adhesive			
Model	Hand crush	M filter	H filter	Filter cleanin g	ACD	Alignment	Liquid level
Minibull	0	0	optional	0	-	-	-
M 45 H ACD	0	0	0	0	0	-	-
M 45 H ACD INERT	0	-	0	-	0	0	0

WARNING!

Read the operation and maintenance manual carefully before using the vacuum cleaner or performing maintenance work.

It is absolutely forbidden to remove the safety plates on the 'vacuum cleaner and/or its components and packaging.

DEPURECO accepts no responsibility for the safety of the vacuum cleaner if this prohibition is not observed.

Machines are classified according to their degree of dust filtration efficiency:

- L (light risk): in vacuum cleaners with a class L filter, the maximum degree of dust penetration is less than 1 percent (*Degree of penetration* < 1 %);
- **M (medium risk):** in vacuum cleaners with filter M, the maximum degree of dust particle penetration is less than 0.1 percent (*Degree of penetration* < 0.1 %);
- **H** (high hazard): in vacuum cleaners with H filter, the maximum degree of dust particle penetration is less than 0.005% (*Degree of penetration* < 0.005 %);

All ACDs must be rated L, M or H, based on the class of dust they can suck up.



3. HANDLING, UNPACKING AND INSTALLATION SECTION

3.1. HANDLING AND UNPACKING

To unpack the machine, remove the fasteners with the help of a hammer and a screwdriver. Also remove all fasteners provided by the manufacturer when packing using appropriate tools.

Release the wheel brakes and remove the machine from the support platform by helping yourself with a ramp of suitable capacity and leading the vacuum from the handle.

Conduct these operations on flat, horizontal surfaces. The load-bearing capacity of the support surface must be adequate for the weight of the machine.

Provide ample space around the plant in order to operate with freedom of movement and to allow easy operations by operators in anticipation of future maintenance work.

WARNING!

Depureco is not liable for any damage caused to the machine during lifting if the proper equipment is not used.

WARNING!

Dispose of packaging materials in accordance with current legislation.Installation

3.2. INSTALLATION

FOR ALL MODELS

\rm 🗛 WARNING!

Before installing the vacuum cleaner, it is necessary to make a careful prior visual inspection in order to detect any damage incurred during transportation.

- Before commissioning, make sure the machine has no obvious damage.
- Insert the plug of the connecting cable into an outlet with properly installed contact/grounding connection. Make sure the machine is turned off.
- Mains cable plugs and connectors must be protected from water splashes.
- Check for proper connection to the power grid.
- Use only the machine in the case where the power connection cables are in perfect condition to avoid the danger of electric shock.
- Regularly check for damage and signs of wear, cracking, or aging of the grid connection cable.

Should one or more components be damaged, it is essential not to proceed further with the installation and to report the anomaly found to Depureco, agreeing with it on the actions to be taken. The machine arrives with the planned filter unit already installed.

- Insert the hose equipped with a terminal into the appropriate suction nozzle;
- Insert the desired accessory for the suction type from the opposite side of the hose

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



\rm 🛆 WARNING!

The following operation should be carried out by an electrical technician.

Verify that the electrical supply line matches the voltage and frequency indicated on the vacuum cleaner nameplate and that it is efficiently grounded.

DEPURE	CO S.	r.l.	V	IN ITALY
Mod.			Volt	11
Serial N ^a	ĸW	Amp	Hz	~
Dust class	IP	Kg	Year	

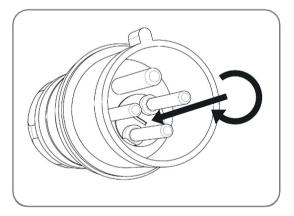
The power outlet to supply power to the vacuum cleaner must be protected by a CE-compliant mains disconnect switch. Finally, insert the plug (standard equipment) into the power outlet.

WARNING!

Do not insert the plug into the outlet with wet hands. The use of extension cords is not allowed. Before plugging the vacuum cleaner into the outlet, make sure that:

- The power cord is intact and in perfect condition;
- That the voltage of the supply line matches that indicated on the nameplate data label of the vacuum cleaner;
- make sure the power plug is properly inserits into the power outlet;
- Make sure the hose is properly inserted and locked into the suction nozzle;
- ensure that the debris collection container is regularly present and locked on the vacuum cleaner.

If the direction of rotation of the motor is incorrect, simply insert a screwdriver into the notch inside the power plug and reverse two poles with a 180° rotation.



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

M 45 H ACD INERT

WARNING!

Before turning on the vacuum cleaner model **M45 H ACD** Inert, it is necessary to check that the inert liquid reaches the minimum level.

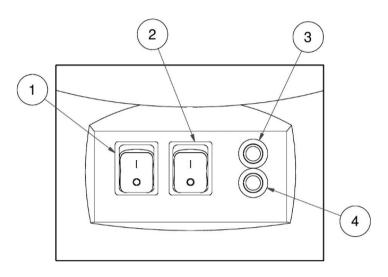
4. SECTION OPERATION

4.1. DESCRIPTION OF COMMANDS

WARNING!

Only authorized personnel who have read these operating and maintenance instructions are allowed to use the vacuum cleaner.

The user of the equipment and the maintenance technician who carry out permissible work on the vacuum cleaner must receive appropriate education, information and training, as required by current labor safety laws, and use for the various operations, the prescribed personal protective equipment (PPE), such as safety footwear, gloves, goggles, mask, etc. The user must observe the current regulations for sucked materials and their disposal.



- 1. General **ON-OFF** switch **first motor**
- 2. General **ON-OFF** switch **second motor**
- 3. White indicator light **PRESENCE OF VOLTAGE**
- 4. Red indicator light **INTACTION FILTER**

MINIBULL E M 45 H ACD

REMOTE CONTROL OPTION

Schuko 24 V socket for power supply and remote control from power tools.



\rm 🗛 WARNING!

Danger of electric shock

Danger of injury and damage.

The socket is intended only for direct connection of power tools to the socket. Any other use of the socket is not permitted.

Use

- Insert the plug of the power tool into the suction cup.
- The vacuum cleaner is in stand-by mode.
- Turn on the device.
- The vacuum cleaner automatically turns on and off with the power tool when set to AUTOMATIC mode.

4.2. HANDLING

To lock the vacuum cleaner, use the lever located on the swivel wheel. To move the vacuum cleaner, use the handle located at the rear.

WARNING!

Do not move the vacuum cleaner when it is in operation.Operation To start vacuuming:

- Grip the end of the hose with the chosen suction accessory.
- Press one of the switches (1 or 2) and start suction.
- For more suction power, the second motor can be activated by pressing the other switch.

To turn off the vacuum cleaner, the previously activated switches must be pressed.

ATTENTION.

Avoid stepping on, crushing, pulling or damaging the mains connection cable during operation. Avoid disconnecting the cable from the mains only by pulling the plug (do not pull the cable itself). When replacing the mains cable, replace it only with one of the same type as the original one installed. Replacement should be done by the manufacturer or equivalent qualified personnel.

Those responsible for plant safety must ensure that:

- Any improper use or maneuvering be avoided;
- Safety devices are not removed or tampered with;
- · Regular maintenance work is carried out;
- Machine parts (attachments, drilling, etc.) are not modified for any reason to fit additional devices;
- Only original Depureco spare parts should be used.
- Be prevented from rolling or bending the hose during the suction operation.

If dust is escaping from the vacuum cleaner head, the filter may have broken. In this case, the vacuum cleaner should be stopped immediately.

4.3. AIR SPEED CONTROL

M 45 H ACD AND M 45 H ACD INERT

An indicator light is mounted on the front of the unit, which lights up if the suction depression inside the unit drops below 20 m/s. In this case, immediate action should be taken

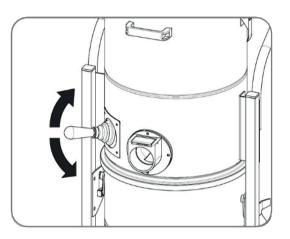
- · Check the hose and/or suction accessory for clogging and eliminate the cause of clogging.
- Perform a filter cleaning cycle
- Stop work and replace filters

4.4. FILTER CLEANING CYCLE

It is advisable to perform a filter cleaning cycle every 20 minutes of use or if you experience a drop in performance. To perform a filter cleaning cycle:

• turn off the machine;

- Wait for the engines' impellers to come to a complete stop;
- Lift and then vigorously lower the lever to shake the internal filter.



If the vacuum cleaner does not work properly after filter cleaning, the main filter may need to be replaced (see dedicated chapter). If the vacuum is not significantly reduced by replacing the filter, it means that another problem is present (see chapter "If something is not working").



Never operate the machine with a clogged filter.

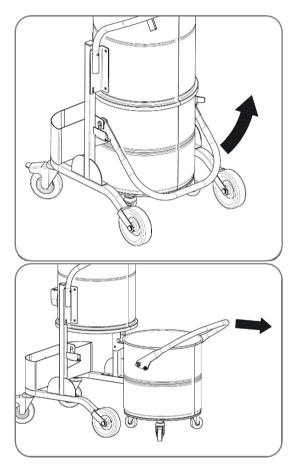
4.5. EMPTYING THE CONTAINER

MINIBULL E M 45 H ACD

WARNING!

The container should not only be emptied when full, but also at the end of each work cycle and before being transported. During this operation, use the appropriate PPE (gloves, dust mask, goggles, etc.).

Depending on the type of material vacuumed and the quantity, the debris container should be checked periodically and overfilling should be avoided.



Before emptying, turn off the machine and unlock the container using the lever provided.

Remove the container from the vacuum cleaner, using the handle provided, and then empty it into the receptacle intended for waste disposal in accordance with the laws in the country of use.

WARNING!

If the container weighs more than 50 pounds, you need to get help from another person.

🖧 WARNING!

Waste disposal must be in accordance with the laws of the country in which the vacuum cleaner is used - for Italy Legislative Decree 152/2006, as amended.

M 45 H ACD INERT

Empty the container of the inert liquid, following the instructions here:

- Turn off the device.
- Secure the device with the parking brake.
- Close the suction connection.



- Pull the arched handle upward to unlock and lower the collection container.
- Pull the dirt collection compartment out of the appliance through the arched handle.
- Turn the lever on the ball valve 90.°
- When the collection container is completely emptied, return the lever to the initial position.

Emptying of the container can also be done through the drain tap at the bottom of the container.



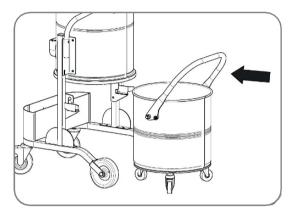
For proper disposal of wastewater, follow local regulations.

Clean the appliance inside and out by vacuuming and with a damp cloth. When vacuuming the appliance, use a vacuum cleaner with an equal or better rating.



4.6. INSERTION AND LOCKING OF THE CONTAINER

MINIBULL E M45 H ACD



Insert the container under the aspirator, holding the lever up, until it comes to a complete stop against the stops.



Lower the container lock lever completely and with both hands.

\rm MARNING!

Danger of crushing upper limbs!

Never insert your hands between the container and the vacuum cleaner during the clamping operation. Perform the container locking operation by operating the appropriate lever with <u>BOTH HANDS</u>.

4.7. STORAGE - DECOMMISSIONING

Remove the filter and clean it, empty the debris collection container and store the vacuum cleaner in a place sheltered from the weather with temperatures between 5° and 45°C, covering it with a nylon cloth so as to prevent dust accumulation.



5. SECTION MAINTENANCE

\rm 🗛 WARNING!

Extraordinary maintenance of the vacuum cleaner should be carried out only by specialized technicians recognized by the DEPURECO dealer.

5.1. INFORMATIVE NOTES

Maximum vacuum cleaner reliability and minimum maintenance cost are the result of a planned and scrupulously followed maintenance and inspection program throughout the life of the vacuum cleaner. It is important to:

- Strictly adhere to the established maintenance time intervals and cadence the maintenance work according to the specific needs in relation to the production cycle of the vacuum cleaner.
- Always use tools that are in perfect condition and specially made for the operation to be performed; the use of unsuitable and inefficient equipment can cause serious damage.
- Any other work that may be necessary to eliminate faults or malfunctions must be expressly authorized by the manufacturer.
- For major repairs, it is advisable to contact the authorized dealer whose trained staff, equipped with all the technological experience of the original factory construction, is always on call and able to act promptly.
- Disassembly, cleaning, and servicing of the vacuum cleaner should be carried out by the user whenever
 possible without leading to hazards to maintenance personnel and third parties. Suitable precautionary
 measures include decontamination before disassembly, measures for filtered forced ventilation of the
 room where the unit is disassembled, cleaning of the maintenance area, and suitable personal
 protective equipment.
- The manufacturer or qualified person should perform, at least once a quarter (or more frequently depending on the working cycle and conditions of use), an inspection to the filters checking that they are not damaged, also check the proper functioning of the control devices.

A WARNING!

Following maintenance or repair operations, all contaminated items that cannot be satisfactorily cleaned, should be placed in waterproof bags and disposed of in accordance with applicable laws

5.2. GENERAL SAFETY REGULATIONS

WARNING!

All maintenance, repair, or cleaning must be done with the plug disconnected from the power outlet (and the air disconnected for the CCA system). Appropriate PPE (protective clothing, goggles and/or gloves, etc.) must be worn depending on the work to be performed.

Affix a sign on the vacuum cleaner indicating:

"MACHINE UNDER MAINTENANCE DO NOT START"

Before resuming service, recheck the entire system in accordance with start-up procedures. After each maintenance operation, perform a few test cycles to check the proper operation of the machine. Failure to observe these precautions may result in serious injury to personnel.

Maintenance work must be performed by technicians who are skilled and trained in the specific areas, which for this machine are:

- Mechanical maintenance;
- Electrical maintenance.

It is the specific duty of the **Security Officer to** ensure the professionalism and competence of the above persons.



Before starting a maintenance task, the Safety Officer must:

- Have the work area cleared of outsiders;
- Make sure the necessary tools are within reach of the maintainer and are in good condition;
- Ensure that the maintenance worker has the necessary personal protective equipment for the specific operation (gloves, goggles, shoes, mask, etc.).
- Ensure that the maintainer has carefully read the instructions in this manual and is fully familiar with the operation of the vacuum cleaner and its components.
- Check for sufficient lighting and provide 24-volt powered portable lamps if necessary.

Before commencing maintenance work, the Maintainer must disconnect all electrical supplies and put the vacuum cleaner on a safety lockout condition and tap the connection to compressed air (where applicable).

WARNING!

If it is absolutely necessary to operate with the power on, when required by D. Lgs. 81/08, the maintainer must keep a safe distance, have stop buttons within reach, and never put his or her hands in the unloading volume. At the end of the operation and before resuming service, the maintainer must recheck the functionality of the safety devices and the integrity of the protections. Work on motors or other electrical components should be performed only by the specially trained Electrical

Maintenance Worker authorized by the Safety Officer.

\rm MARNING!

After any maintenance work, the Safety Officer is obliged to ensure the safe condition of the vacuum cleaner and its protective devices.

Before each work shift:

- Check that the power cord and plug are not damaged: replace it immediately if it shows signs of wear and tear, using a cord of the same type (information c/o DEPURECO) - operation the sole responsibility of an electrician.
- Check the integrity of the safety symbols (pictograms) applied on the vacuum cleaner.
- Check that the debris collection container is empty and properly locked under the vacuum cleaner.
- Verify proper filter efficiency by checking the indicator light or vacuum gauge.
- Check the integrity of the suction hose and accessories to be used.

WARNING!

The hose, if perforated, decreases the suction power and disperses dust into the air.

5.3. PRIMARY FILTER REPLACEMENT

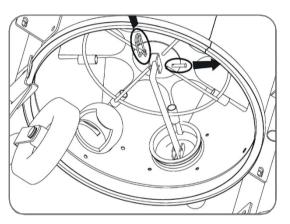
WARNING!

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

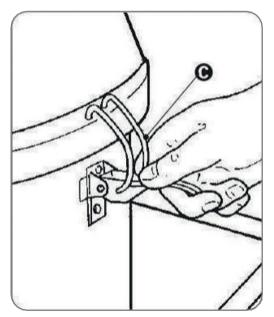
MINIBULL, M 45 H ACD

To **replace the star filter**, operate as follows:

- turn off the machine;
- Disconnect the vacuum cleaner from the power supply;
- Remove the container as described in Section 4.3;



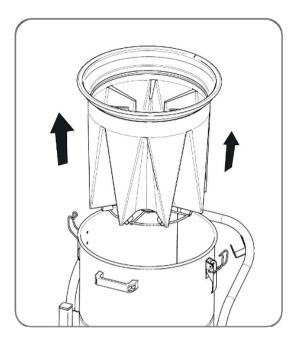
• from the underside of the filter chamber, unhook the clip and slide out the pin securing the cage to the filter shaker lever.



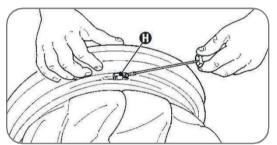
 Unlock the two locking hooks (C) of the head base on the filter chamber from both sides;

- Remove the head with its base;
- Remove by procedure as above the elevation band with the absolute filter, if present;





• Slide off the filter and place it on a workbench.



- Loosen the retaining clamp (H), detach the filter from its holder and, using scissors, cut the lower straps that secure it to the shaking cage;
- Remove the filter, place it inside a plastic bag, close it and **dispose of it according to current laws** For the type of material sucked in.

To reinstall the new filter, work backward:

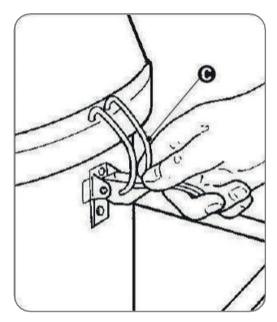
- Insert the filter into its support ring, locking it in place using the retaining band (H);
- Secure the filter to the cage by knotting the special ribbons on the underside;
- Insert the filter complete with ring and cage into the vacuum cleaner, paying attention to the alignment of the cage with the filter-shaking lever;
- insert the end of the lever into the appropriate seat of the cage, insert the pin and retaining clip;
- Insert and lock the container in place;
- Place the head on the filter chamber (possibly after adding the band with the absolute filter);
- Lock the two hooks (C);
- Connect the power supply;
- Turn on the vacuum cleaner, immediately assessing its smooth operation.

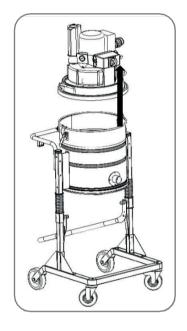
M 45 H ACD INERT

To replace the filter cartridge, proceed as follows: To replace

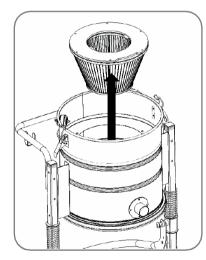
the filter, proceed as follows:

- Turn off the vacuum cleaner;
- Disconnect the vacuum cleaner from the power supply;





- Unlock from both sides the two locking hooks of the head base on the filter chamber.
- Remove the head with its base.



• Using the appropriate equipment, pull out the bevel cartridge and arrange for its replacement.

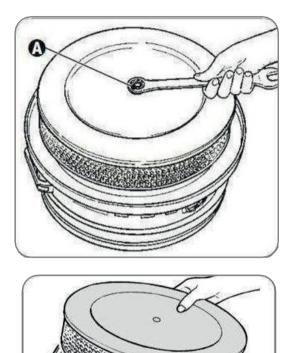
Remove the filter, place it inside a plastic bag, close it and **dispose of it according to current laws**. For the type of material sucked in.



5.4. HEPA FILTER REPLACEMENT

A WARNING!

When replacing the absolute filter, wear the appropriate PPE (dust mask, goggles, latex gloves, etc.).



 To replace the absolute filter, remove the head, filter retaining band H and turn the latter upside down. Unscrew the filter retaining screw (A).

Л

- Remove the filter, place it inside a plastic bag, close it and dispose of it according to current laws for the type of material sucked in.
- Mount the new filter and secure it with the screw (A) previously removed.

A USE EXCLUSIVELY ORIGINAL HEPA FILTERS DEPURECO!

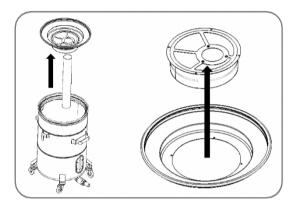
5.5. REPLACEMENT OF THE SPARK FILTER

WARNING!

When replacing the absolute filter, wear the appropriate PPE (dust mask, goggles, latex gloves, etc.).

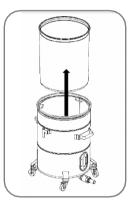
To replace the **spark filter in the M45 H ACD Inert model**, proceed as follows:

- Turn off the vacuum cleaner;
- Disconnect the vacuum cleaner from the power supply;
- Remove the container;



 Using the appropriate equipment, pull out the inerting filter kit to arrange for its replacement.

To reinstall the filters, operate as follows:



- Pull the bag filter out of the basket to arrange for its cleaning/washing (or replacement if necessary).
- Insert and secure the new conical cartridge in its holder inside the chamber; of the aspirator paying attention to its correct positioning and alignment;
- Place the head with its base on the chamber and lock it to the chamber using the two hooks (C);
- Insert the bag filter inside the basket;
- · Place and secure the inerting filter kit in the conical support ring;
- Insert the conical ring into the container;
- Connect the power supply;
- Turn on the vacuum cleaner by immediately assessing its smooth operation.

5.6. IF SOMETHING DOESN'T WORK

ANOMALY FOUND	POSSIBLE CAUSE	RECOMMENDED REMEDY
The vacuum cleaner does not start	Lack of power supply	 Check for the presence of voltage in the power outlet; Check the integrity of the plug and power cord; Contact DEPURECO technical assistance.
Vacuum gauge indicates irregular vacuum	Clogged filter	Shake the filter. If it is not sufficient, replace it.
Excessively noisy engine	Faulty pump	Contact DEPURECO Technical Support.

5.7. BREAKING

🖧 WARNING!

In case of scrapping, in order to avoid damage to the environment, all parts of the vacuum cleaner, should be disposed of responsibly, in appropriate landfills following the relevant national regulations. Vacuum cleaner parts consisting of plastic, aluminum, steel, may be recycled by delivering them to the appropriate centers.

The crossed-out bin symbol on the label on the equipment indicates that the product complies with the regulations on waste electrical and electronic equipment. Abandoning the equipment in the environment or improperly disposing of it is punishable by law.

RAEE REGISTER ENTRY NO. IT18090000010711







MAINTENANCE LOG

MODEL:	
MATRICOLA:	
DELIVERY DATE:	
ENTERPRISE:	
VIA:	N.
CITY:	ZIP CODE:
FIELD OF ACTIVITY	
PHONE:	
RESPONSIBLE:	

TIMBERS:

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INTERVENTION 1:	DATE S:
TECHNICAL ASSISTANCE:	0.
TYPE OF INTERVENTION:	
INTERVENTION 2:	DATE:
	DATE:
INTERVENTION 2: TECHNICAL ASSISTANCE:	DATE:

Depureco Industrial Vacuums Srl

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INTERVENTION	DATE
3:	S:
TECHNICAL ASSISTANCE:	
TYPE OF INTERVENTION:	
INTERVENTION 4:	DATE:
	DATE:
INTERVENTION 4: TECHNICAL ASSISTANCE:	DATE:

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