



# GENERAL SAFETY REGULATIONS W-D VACUUM CLEANERS

 **FIMAP**<sup>®</sup>



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The following symbols are used to indicate any potentially hazardous situations. Always read this information carefully and take the necessary precautions to protect any people and/or objects that may be present.

Operator cooperation is paramount for accident prevention. No accident prevention programme can be effective without the full cooperation of the person directly responsible for the machine's operation. Most accidents that occur at the workplace, during work activities, or while in transit, are caused by the failure to respect the most basic safety regulations. An attentive, careful operator is most effective guarantee against accidents and is fundamental in order to implement any prevention programme.

## KEEP THESE SAFETY WARNINGS WITH THE MACHINE USER MANUAL.

-  **DANGER:** indicates an imminent dangerous situation that, unless avoided, will result in death or serious injuries.
-  **WARNING:** Indicates a potentially dangerous situation that, unless avoided, could cause death or serious injury.
-  **ATTENTION:** Indicates a potentially dangerous situation that, unless avoided, could cause slight or moderate injuries.

## ELECTRICALLY POWERED MACHINE

### **DANGER:**

- To reduce the risk of fire, electric shocks or injury, please read and comply with all the safety instructions and warnings. This machine has been designed to be safe when it is used for cleaning in the manner specified. If damage to electrical or mechanical components is found, the machine must be repaired at the relative authorized service center before use, in order to prevent further damage to the machine or physical injury to the user.
- Before connecting the machine to the electric socket, make sure the electrical information on the serial number plate corresponds to that of the mains supply. The machine must only be powered with alternating current and with a voltage equal to that shown on the serial number plate.
- The power supply cable outlet must have an earth connection in compliance with the regulatory standards.
- If the machine packaging contains the cable to connect to the mains supply, it should only be used for the above-mentioned machine.

- Before using, check for any damage on the connection cable and on the power plug. If the cable is damaged, immediately contact a technician for restoring normal functioning.
- Connect the machine only to an electrical connection installed by an electrical installer in conformity with IEC 60364-1.
- Never touch the power plug with wet hands.
- Make sure that the cable to the mains or the extension cable have not been damaged by having been walked on, crushed, pulled or the like. Protect the cable from heat and from contact with oils or sharp edges.
- Regularly check that the cable connecting to the mains is not damaged, for example with signs of ageing or cracks. If the cable is damaged it should be replaced before using the machine again.
- Protection against splashes of water and the mechanical strength need to be ensured also after any replacement of the joints of the power cable or the extension cable.

 **ATTENTION:**

- When carrying out maintenance or deactivating the machine, switch it off using the main switch and disconnect the power cable from the mains socket.
- The procedure causes a short-term reduction in voltage.
- In unfavourable grid conditions the other appliances could be damaged.
- This damage could occur if the grid impedance is less than  $0.15\Omega$ .

## EXTENSION CABLES

 **WARNING:**

- Only use the materials expressly recommended by a service technician as cable extensions (contact an authorized retailer) or else high quality models. When using an extension, respect its minimum cross-section.

## BATTERY-POWERED MACHINE

 **WARNING:**

- To prevent unauthorised use of the machine, the power supply must be disconnected; switch off the machine using the main switch (if present, remove the key from the ignition) and disconnect the battery connector from the electrical system connector.

**ATTENTION:**

- The machine must only be powered with a voltage equal to that shown on the serial number plate.
- When doing maintenance work, switch off the machine using the main switch (if present, remove the key from the ignition) and disconnect the battery connector from the electrical system connector.
- Avoid contact with the battery acid.
- Keep all metal objects away from the batteries.
- Use a non-conductive device for removing the battery.
- The battery must be installed by qualified personnel.
- Always observe the safety measures of the site regarding removing the battery.
- Remove the batteries if the machine needs to be tilted in order to perform maintenance procedures.
- The machine should not be left unattended at the end of its working cycle because of the presence of toxic-harmful materials inside it (batteries, etc.), which are subject to regulations regarding their disposal at special centres (see the chapter on Scrapping).

## RECHARGING THE BATTERIES

**DANGER:**

- If the battery charger power cable is damaged or broken, it should be replaced by the charger manufacturer or authorized service personnel, or by another qualified person, in order to protect against hazards.
- The socket for the battery charger cable must have a prescribed earth connection.
- Keep sparks, flames, and incandescent materials at a safe distance from the batteries. Explosive gases are emitted during the charging phase.
- highly explosive hydrogen gas is generated while charging the batteries. Keep the recovery tank and/or the seat mounting plate in the maintenance position during the entire battery recharging cycle, and only perform the procedure in well-ventilated areas at a safe distance from any open flames.
- Before charging check that the electric cable that connects the battery charger to the batteries is not damaged, and if it is damaged do not use it and contact technical assistance.
- Before charging check that the electric cable that connects the battery charger to the mains is not damaged, and if it is damaged do not use it and contact technical assistance.
- Before starting to charge the batteries in versions with on-board battery

charger, check there is no stagnant water or humidity in the battery charger socket.

- Do not disconnect the direct current cable of the battery charger from the socket of the machine when the battery charger is operating. This is necessary to prevent electric arcs forming. To disconnect the battery charger when charging, first disconnect the power cable from the mains socket.

 **WARNING:**

- Do not use incompatible battery chargers since they could damage the batteries and potentially cause a fire.
- Keep a safe distance from flames or sparks.
- Before using the battery charger, make sure the frequency and voltage values indicated on the battery charger data plate or in the battery charger's manual coincide with the network values.
- Keep the battery charger's cable at a safe distance from any hot surfaces.
- Never smoke in the machine's vicinity while the batteries are charging.
- Carefully read the user manual of the battery charger you want to use before recharging.

## USING THE MACHINE

 **DANGER:**

- In case of danger, act promptly: switch off the machine using the main switch (if provided) and remove the power cable from the mains socket.
- Never collect objects that are hot or on fire, gases, explosive/inflammable liquids or powders, or acids and solvents! These include gasoline, paint thinners and fuel oil (which, when mixed with the vacuum air, can form explosive vapours or mixtures), and also non-diluted acids and solvents, acetones, aluminium and magnesium powders. These substances may also corrode the materials used to construct the machine.
- It is forbidden to vacuum persons or animals with this machine.
- If the machine is used in dangerous areas (e.g. petrol stations), the relative safety standards must be observed. It is forbidden to use the machine in environments with a potentially explosive atmosphere.
- Before use, make sure that the machine and the work equipment are intact and perfectly operational. If they are not intact, remove the battery, the machine should not be used.
- Before cleaning and carrying out maintenance works on the machine and before replacing any components, switch off the machine and remove the

power battery.

 **WARNING:**

- The machine must be exclusively used by authorised, trained personnel.
- Always use the machine in compliance with its intended use, taking into consideration local conditions and looking out for the presence of others when working, especially children.
- This machine should not be used by persons (including children) with physical, sensory or mental impairments and by persons with little experience and/or little knowledge of the machine itself.
- In the event of a fire, use a powder extinguisher. Do not use water.
- Do not use the machine if you do not have the requisite knowledge or authorisation.
- Do not use the machine if these safety warnings and the machine user manual have not been read and understood.
- Do not use the machine under the influence of alcohol or drugs.
- Do not use the machine when using a mobile phone or other types of electronic devices.
- Do not use the machine if it is not working correctly.
- Do not use the machine in areas where there are inflammable vapours or liquids or combustible powders.
- Never leave the machine unattended when the battery is connected. Remove the battery when not in use and before maintenance.

 **ATTENTION:**

- Children must be supervised to ensure they do not play with the machine.
- During the working of the machine, pay attention to other people and especially to children.
- Read the labels on the machine carefully. Do not cover them for any reason, and replace them immediately if they become damaged.
- The machine must only be used and stored in an enclosed or covered environment.
- The machine must not be used or stored outdoors in damp conditions or directly exposed to rain.
- Only use the machine in accordance with the instructions set out in these safety warnings and in the machine user manual.
- Do not pick up anything that is burning or smouldering, like cigarettes, matches or glowing embers.
- Always take appropriate measures to protect any individuals and/or objects



that may be present while using this machine.

- Be careful to avoid collisions with shelving or scaffolding, above all if there is a risk of objects falling from heights.
- Do not place any liquid containers on the machine.
- The machine must only be used in temperatures ranging from +10 °C to +40 °C. The humidity level must be between 30% and 95%.
- In the event of a fire, use a powder fire extinguisher if possible, and avoid the use of water.
- Keep the machine's openings free of any dust, lint, hairs, or any other foreign materials that could reduce the airflow.
- Do not remove or alter any labels affixed to the machine.
- Before starting to work check that all the safety devices have been installed and are working correctly.
- Only use the machine in well-lit areas.
- When the machine is in operation, do not bring it close to delicate organs like ears, mouth, eyes, etc.
- If the machine is not working properly or it has fallen, been damaged, left outside or has fallen in water, take it to a service centre or back to the retailer.

## DEACTIVATION OF THE MACHINE

### **WARNING:**

- Always protect the machine against sunlight, rain, and other atmospheric agents, both while it is stationary and while it is in function. Store the machine in a dry, sheltered place: this machine is only designed for use under dry conditions, and must not be used or stored outdoors under humid conditions.
- Do not park the machine near combustible materials, powders, gases or liquids.
- Stop the machine on a flat surface.

### **ATTENTION:**

- The machine must only be stored in temperatures ranging from +10 °C to +40 °C. The humidity level must be between 30% and 95%.

## MAINTENANCE

### **DANGER:**

- Before cleaning and carrying out maintenance on the machine and before replacing any components, switch off the machine and pull out the power plug from the mains socket.
- In order to avoid short-circuits when working in the vicinity of electrical components, do the following: avoid the use of non-insulated tools; do not place or allow metallic objects to fall upon the electrically powered components; remove any rings, watches and/or clothing with metallic parts that might come into contact with the electrically powered components.

### **WARNING:**

- The cleaning and maintenance to be carried out by the user must not be performed by unsupervised children.
- Read all the relevant instructions carefully before performing any maintenance/repair operations.
- If the machine does not work properly, check this is not caused by failure to carry out maintenance. Otherwise, ask for intervention of the authorised technical assistance centre.
- Restore all electrical connections after any maintenance interventions.

### **ATTENTION:**

- Avoid contact with moving parts. Do not wear loose clothing or jewellery and tie long hair back.
- Never tamper with the machine's protection devices for any reason; always follow the supplied routine maintenance instructions scrupulously.
- If any parts need to be replaced, always request ORIGINAL spare parts from an authorized Dealer or Retailer.
- In order to ensure the machine's safety and proper functionality, always have the scheduled maintenance interventions (specified in the appropriate section of this Manual) performed by authorized personnel or by an authorized Service Centre.
- Do not wash the machine with direct jets of water, pressurized water or with corrosive substances, and do not wet it in the vicinity of electrical components.
- Have the machine checked by an authorised technical assistance centre every year.
- When disposing of consumable materials, observe the laws and regulations in

force. Once the machine has reached the end of its service life, the materials contained within it must be disposed of in an appropriate manner, keeping in mind that the machine itself has been built using fully recyclable materials.

- All repairs must be carried out by qualified personnel.
- Do not physically change the design characteristics of the machine.
- Use spare parts provided by authorized service centers.
- Wear personal protective equipment as required and as suggested in the manual.

## TRANSPORT

### **WARNING:**

- When transporting the machine, the engine should be switched off, and also make sure that the machine is in a stable and secure position.
- Empty the drum before transporting the machine.
- Before transporting, close all the locking hooks of the top cover.
- Secure the device according to the directives in force in the country of use, so that it cannot slide or tip over when being transported.

## ACCESSORIES AND SPARE PARTS

### **WARNING:**

- Only use accessories and spare parts that have been authorised by the manufacturer. Original accessories and spare parts ensure the machine can be used safely and without faults.

## DRY VACUUM CLEANER

### **DANGER:**

- The machine has been designed exclusively for vacuuming dry solid material and it should not be used for other purposes.
- Do not use the machine without filters. The dry vacuum cleaner must always have a bag filter fitted in the collection drum.

 **WARNING:**

- The machine is not suitable for vacuuming powders that are harmful to health.

## VACUUM CLEANER FOR LIQUIDS

 **DANGER:**

- The water level limitation device should be cleaned regularly and frequently checked for breaks and wear.
- If foam forms or liquid leaks, immediately switch off the machine.
- Unless otherwise stated in the instructions, liquid substances can be vacuumed only up to a temperature of 45°C or 113°F.

 **WARNING:**

- This machine is not suitable for vacuuming powders that are damaging to health unless expressly stated. Observe the technical warnings set out in the user manual.

 **ATTENTION:**

- Always protect the machine against frost.
- This machine is not suitable for vacuuming coolants and lubricants unless expressly stated.









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