



# AIRFORCE M20

TWIN-MOTOR WELDING  
FUME EXTRACTOR

## USER MANUAL





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## 1. INFORMATIVE SECTION

### 1.1 PREFACE

This product has been designed for extracting welding fume 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:

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The vacuum cleaner is equipped with the following filters:

- PTFE M FILTER CARTRIDGE
- SPARK TRAP FILTER

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.

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.

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.

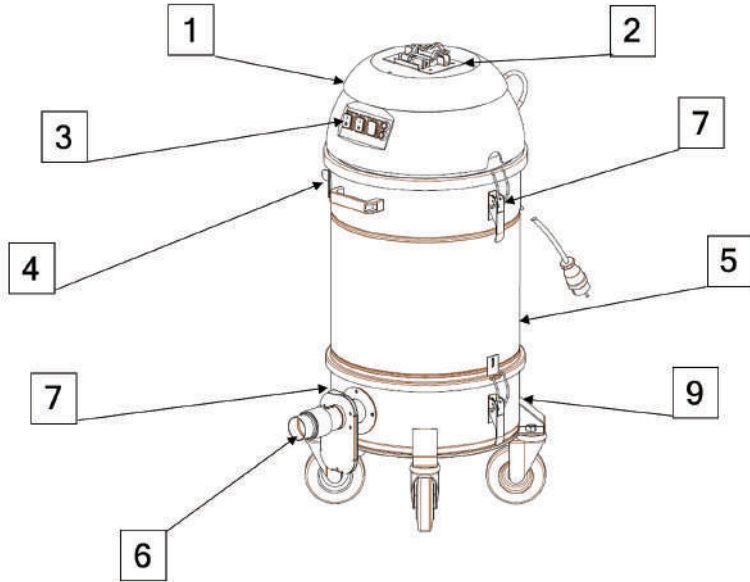


This manual is an integral part of the vacuum cleaner. Read this manual and the attachments provided with the supply carefully. Knowing the instructions contained in it is crucial for using the vacuum cleaner and carrying out maintenance operations under full safety conditions



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## 1.2 Identification of the main parts



- 1. Vacuum cleaner head with on/off controls
- 2. Welding sensor cage
- 3. Control switches
- 4. JetClean® disk lid
- 5. Filter chamber
- 6. Suction nozzle w/ flow reducer
- 7. JetClean® shutter
- 8. Container closing hooks
- 9. Dirt collection container



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## 1.3 Optional parts

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

## 1.4 Identification plate

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

		<b>AIRFORCE</b> F U M E E X T R A C T O R S	www.strata.co.nz	
Model	Serial No.		<b>CE</b>	
<b>AIRFORCE M20</b>	<b>M24-018</b>			
Power Input				
<b>2.4kW 10.0A 230V 50/60Hz</b>				
Dust class	IP	Kg	Year	
<b>M</b>	<b>44</b>	<b>30</b>	<b>2024</b>	

## 1.5 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.

## 1.6 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.

## 1.7 Noise level

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

**AIRFORCE M20**

**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.**



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### 1.8 Technical data

	<b>U.M.</b>	<b>AIRFORCE M20</b>
<b>Weight**</b>	[Kg]	38
<b>Overall dimensions**/**</b>	[mm]	534x471x983
<b>Voltage/ Frequency</b>	[V]- [Hz]	230 - 50/60
<b>Power</b>	[kW -HP]	2.4
<b>Maximum water lift</b>	[mBar]	250
<b>Air flow rate</b>	[m <sup>3</sup> /h]	380
<b>M filter surface</b>	[cm <sup>2</sup> ]	34.000
<b>H filter surface (if provided)</b>	[cm <sup>2</sup> ]	22.0000
<b>Noise</b>	[dB-A]	72
<b>Container capacity</b>	[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



## 2. SAFETY SECTION

### 2.1 Safety information

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.

STRATA 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 emphasized 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.

STRATA 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 STRATA are used, it is crucial to ensure beforehand that there are no dangers for oneself and the others, notwithstanding that STRATA shall not be held liable.



**Only use original spare parts.**

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



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### 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 STRATA on the vacuum cleaner, it is essential to verify that the safety requirements of Machinery Directive 2006/42/CE are met, notwithstanding that STRATA 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 STRATA 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 STRATA.





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### 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.



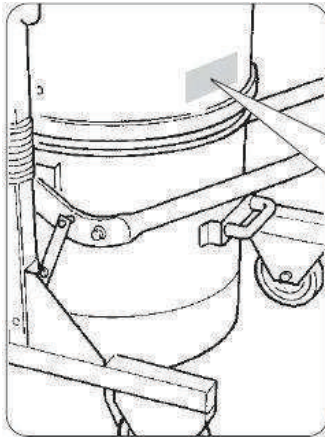
### Attention!

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 STRATA.

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.





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### 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

STRATA recommends complying with the instructions, procedures and recommendations in this manual and with the safety standards in force. STRATA 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:

### 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, STRATA 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.

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



## 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.

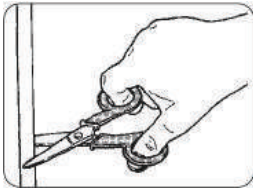


The vacuum cleaner must be lifted and handled exclusively using a forklift having suitable load bearing capacity.

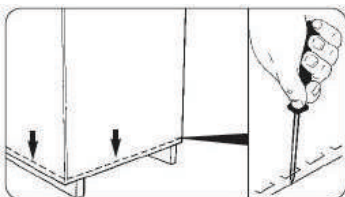
When using a forklift, lift the load 200 mm off the ground and swing backwards. Always keep the height of the working environment in mind when lifting loads. Before starting any movement, ensure that the area is cleared and that there are no moving objects on the packaging. For lifting and handling operations, 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





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- 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.



## 4. OPERATION SECTION

### 4.1 Select and connect torch

Connect either the suction tube and hood or the mig torch to the extractor. This should be a firm fit at the base. If using the extraction hood position this above your work as fume will flow up from the weld. Proximity of the hood to the work piece will have an impact on efficiency. In short the closer the hood the more fume it will capture.



### 4.2 Mig Torch

Connect mig torch to your machine. This is a standard Eurofitting torch design and is compatible with most modern machines. Tips and liners are Binzel style.





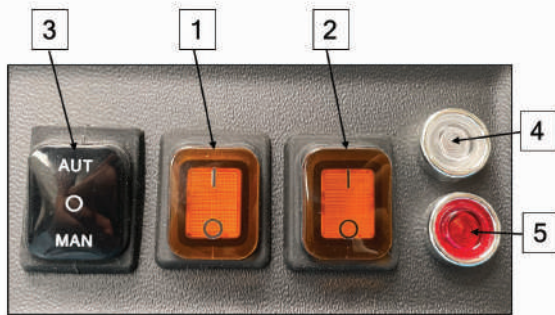
## 4.3 Description of the controls



### 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. AUTO / MANUAL mode switch
4. White indicator light: VOLTAGE PRESENCE
5. Red indicator light: CLOGGED FILTER

## 4.4 Control Panel

Here we see three switches. The left is for manual or automatic start of the unit. Select LOW for auto start then we can choose whether to have one or two of the internal vacuum fans working by using the orange switches. Selecting HIGH turns the fans on manually and these will stay active until the machine is turned off.





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### 4.5 Operating cycle

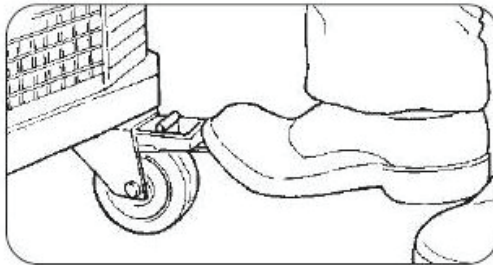
Ensure that the power cord is intact and in perfect state.



**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 the switch [3] ch. 4.1 and choose the AUTOMATIC or MANUAL mode.

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, or set the AUT/MAN switch to [0].

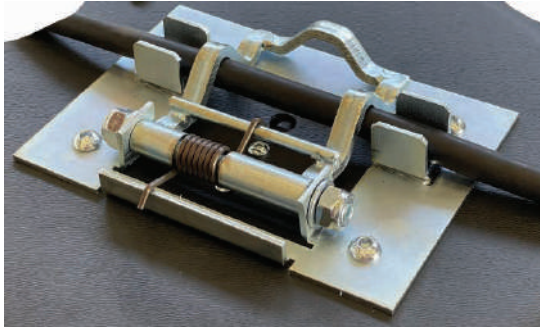


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### 4.6 Auto Start Function

In order to use the vacuum cleaner's AUTOMATIC mode, you need to:

- adjust the switch [3] ch. 4.1 to the AUT setting
- position the welding machine cable on the special welding cage [2] ch. 1.2



The vacuum cleaner will start automatically by using the welder. The suction will stop automatically when it is no longer in use.

For weld activated start we place the earth lead from your welder through the clamp on the top of the machine. You will notice a small indent where the voltage sensor is placed in the centre of this mechanism. This is important to ensure the sensor is directly under the earth lead for this feature to work correctly

Use the handle (detail no. 2, ch.1.2) 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





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## 4.7 Filter Indicator

On the right of the control panel, we see two lights. One is for power to the unit and the other is filter indicator. You will note that when both fans are on this will glow lightly as the increased flow place some resistance on the motors which is to be expected. As the filter become blocked this red light will become brighter and we need to clean the filter.



## 4.8 Filter cleaning

To clean the filter cartridge, the vacuum cleaners belonging to the STRATA AIRFORCE family, are equipped with the JetClean® cleaning system.

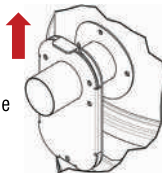
The system works due to the difference in pressure between the internal atmosphere and the external atmosphere leading to the dust becoming detached from the filtering fabric of the cartridge, without needing to switch the vacuum cleaner off.

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

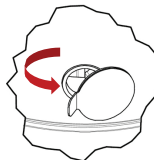
Proceed as follows to clean the filter:

This process is very straightforward. Turn on both fans then lift the diverter at the base of the unit where the hose is connected. Using the spring-loaded mechanism on the side open this for around 2 seconds and release. Repeat 3-4 times. This reverses the flow of air back through the filter which will remove much of the contaminant.

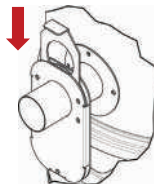
- With the vacuum cleaner on, raise the shutter (detail no.7, ch. 1.1) installed on the suction nozzle



- 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, ch. 1.1) and resume normal use



### ATTENTION!

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



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## 4.9 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
- Undo locator tabs on the side which will give you access the contaminate storage container. We would strongly suggest wearing either an air fed respirator such as the Optrel Swiss Air or half face mask during this process. Dispose of toxins as per your health and safety policy.
- 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

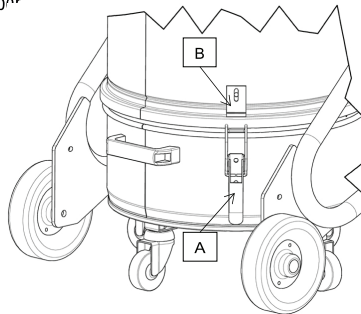


**ATTENTION!**  
If the container weighs over 15 Kg, have somebody help you.

## 4.10 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

## 4.11 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



## 5. MAINTENANCE SECTION



### ATTENTION!

Special vacuum cleaner maintenance must be carried out solely by specialised technicians authorised by the STRATA 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



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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 - 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

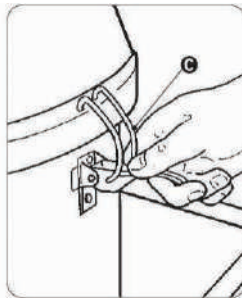


### ATTENTION!

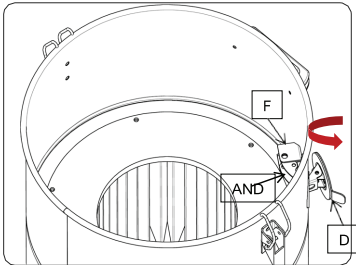
**Wear appropriate PPE (dust mask, latex gloves, goggles, etc.).**

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)



- 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:

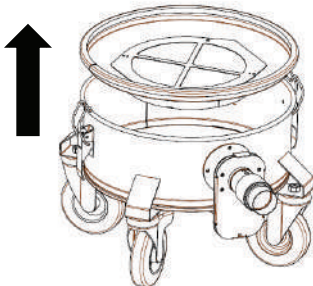
- Insert the new filter inside the filter chamber
- Tighten the cartridge fastening screws
- position filter H (where provided for)
- position the head on the filter chamber or on filter H (where provided for)
- lock the closing hooks
- connect the power supply
- switch the vacuum cleaner on and immediately evaluate whether it is working normally

## 5.4 Spark trap filter cleaning

Proceed as follows to clean the spark trap filter:

- With the help of a second person, lift the upper section of the extractor (detail [1] and [5], chapter 1.2);
- Unhook the container unhooking the closing hooks between the filter chamber and the waste container (detail [A] and [B], chapter 4.5);
- Use compressed air (6 bar maximum) to clean the spark trap filter;

To reassemble the filter, replace the filter and the upper part of the vacuum cleaner, operating in reverse order.





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### 5.5 HEPA cartridge replacment (where provide 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 STRATA**



## 5.6 Troubleshooting

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





## 6. WARRANTY

### 6.1 General Terms

STRATA provides warranty for any product it supplied that are defective due to materials or workmanship during the warranty period as specified in the contract, and warrant the user that under normal use, the product meet the relevant quality and specification requirements mentioned in the documents of the product.

STRATAr provides repair services or replace any faulty products it supplied due to materials or workmanship during the warranty period as specified in the contract. Such product involving repair services or replacement will be still covered by the warranty in the remaining warranty period of the original product.

STRATA reserves the right, at its options, to repair or replace any products it supplied to which material or technical problems occur during the warranty period.

#### **Important Information:**

© STRATA has not granted, does or will not grant any third party or individual the right to repair or replace any product that it supplied to the user.

### 6.2 Warranty Limitations

Any product, parts thereof, and/or any device are not covered by warranty terms against following issues:

- (1) Any damage to any product and/or any parts thereof (including optical fibers) caused by alteration, opening, disassembling, improper assembling and/or modification by any person other than the qualified professionals certified by STRATA;
- (2) Any damage to lasers directly or indirectly caused by faults of user's software or any interfaces
- (3) Any damage caused by misuse, negligence, etc., of the user or due to any accident;
- (4) Any damage caused by use beyond specifications, improper installation or improper maintenance.
- (5) Any damage caused by abuse or non-compliance with the information and warnings in the Product Manual;
- (6) Any damage caused by improper installation, improper maintenance or use for unintended purpose or under other abnormal operating conditions not specified in this Manual.

### 6.3 Technical Support

All servicing and repair activities, if necessary, on any components, parts or assemblies of Laser strike vehicle shall be performed by qualified persons. In case that any fault occurs to any product in the process of using it, the qualified technical personnel of Strata should be notified in time for troubleshooting such fault.

Any product returned to Strata for repair or replacement shall be placed in the original packaging provided by Strata Otherwise, Strata is entitled to paid repair service of any product suffering any damage caused thereby.

When the user receives the product from Strata, please check whether the product is intact and damaged.

In case any abnormality is found, user shall contact the carrier or Strata in time.



**Congratulations on your new STRATA product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty. To locate your nearest distributor or service agency visit [www.strata.co.nz](http://www.strata.co.nz), or email us at [customerservice@euroquip.co.nz](mailto:customerservice@euroquip.co.nz)**

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