



INSTRUCTION AND MAINTENANCE MANUAL

INDUSTRIAL VACUUMS

SERIES

- **AC 65**
- **AC 100**



This manual forms an integral part of the vacuum cleaner.

DEPURECO recommends to read carefully this manual and the other attachments supplied. Knowledge of the instructions here contained is indispensable for the safe use and maintenance of the vacuum cleaner.

ed. C - 07/11/2016

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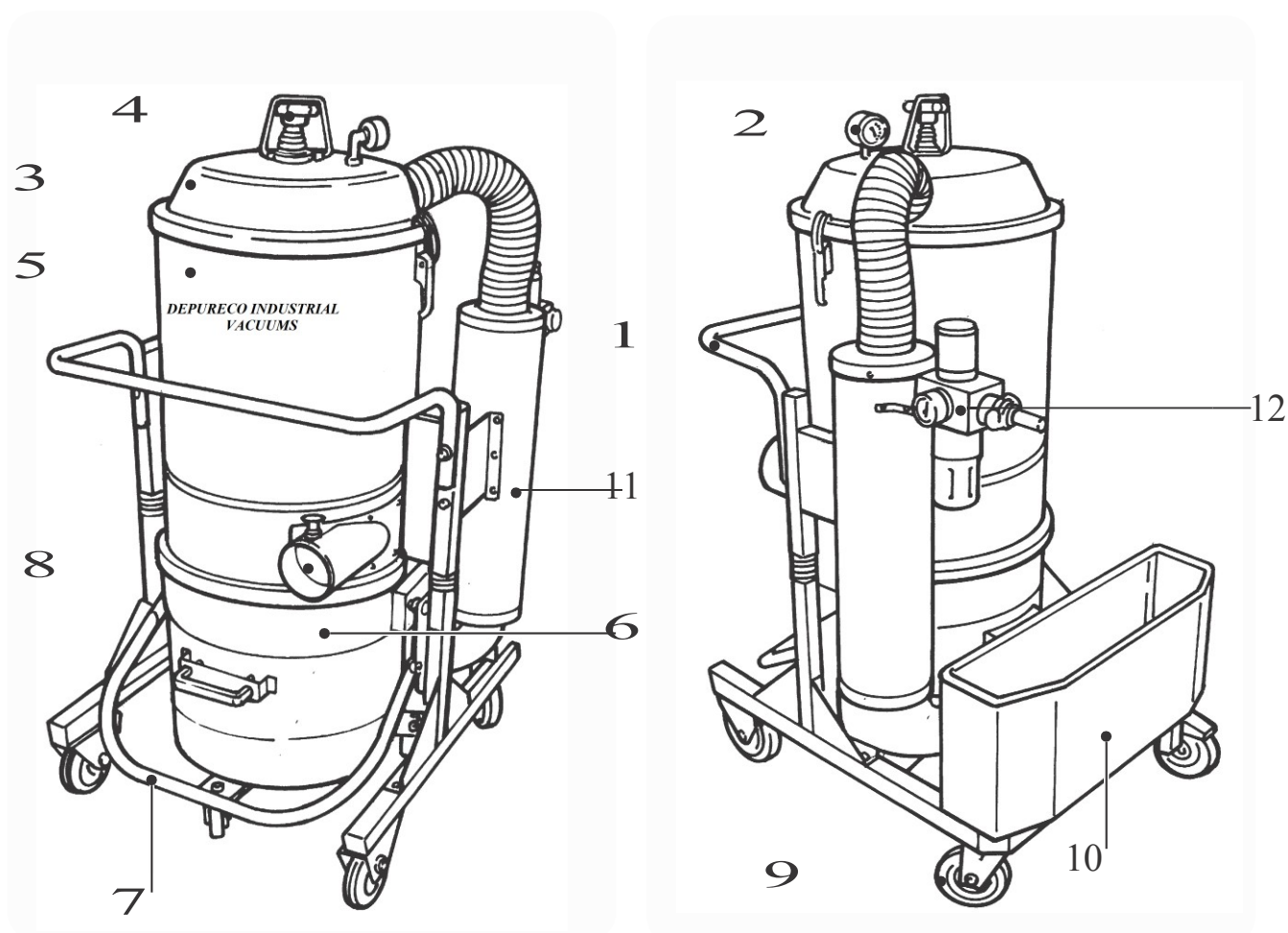
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1. Information section

1.1 Identification of the main parts



- 01) Handle
- 02) Vacuum gauge
- 03) Cover
- 04) Push rod for shaking filter
- 05) Filter chamber
- 06) Vacuumed waste container
- 07) Locking/releasing lever for waste container
- 08) Mouthpiece for suction tube insertion
- 09) Wheels
- 10) Accessory compartment
- 11) Venturi unit container
- 12) Pneumatic supply valve



1.2 Manufacturer's identification data

Depureco Industrial Vacuums S.r.l.

C.so. Europa, 609 10088 Volpiano (Italy)

Tel. +39 011. 98. 59. 117

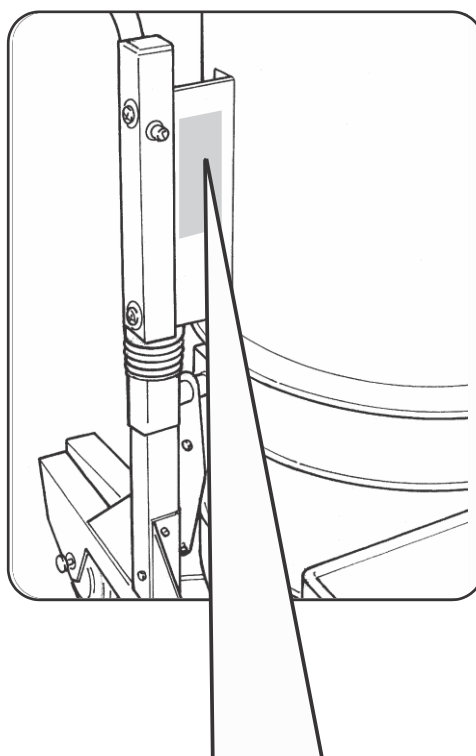
Fax. +39 011. 98. 59. 326


Internet: <http://www.depureco.com>

E-mail: depureco@depureco.com

1.3 Identification plate

It is necessary to give the identification plate data of the vacuum cleaner for any communication with the manufacturer or retailer.



DEPURECO S.r.l				Corso Europa, 609 - 10088 - Volpiano (TO) ITALY Tel. +39 011 98 59 117 - Fax +39 98 59 326 MADE IN ITALY	
Mod.		Volt.			
Serial N.	kW	Amp.	Hz .		
Dust Class	IP	Kg.	Year		



1.4 Areas of use

This particular vacuum cleaner model has been designed, built and projected to be used exclusively with non-inflammable, non-toxic dry dust.

It may be utilized for suction of non-inflammable and non-corrosive liquids if it has the appropriate filter and floatation device.

Any other use is considered incorrect.

The vacuum cleaner is designed for professional industrial use.

1.5 Approved environmental conditions

To ensure correct operation of the vacuum cleaner it must be kept away from atmospheric agents (rain, hail, snow, fog, dust in suspension, etc.) and operated in an area with a temperature range between 5° C and 45° C and with a relative humidity no higher than 70 %.

The work area must be clean, with sufficient lighting and have a non-explosive atmosphere.

1.6 Noise level

The sound power tests performed on this particular vacuum cleaner model show an acoustic pressure of:

AC 65/100

db(A) 70

1.7 Technical data

		AC 65	AC 100
(Bar) RICHIESTI / (Bar) REQUIRED	Bar	6-8	6-8
DEPRESSIONE / VACUUM	mBar	500	500
PORTATA D'ARIA / MAX AIR FLOW	mc/h	480	480
CONSUMO ARIA / AIR CONSUMER	mm	80	
BOCCA ASPIRANTE / INTAKE OPENING		IFA/BGIA "M"CLASS	
MEDIA FILTRANTE / FILTER MEDIA	cmq	24000	
SUP. FILTRANTE / FILTER SURFACE	L	65	100
CONTENITORE / DUST BIN	dB(A)	70	
LIVELLO SONORO / NOISE LEVEL	Kg	62	
PESO / WEIGHT	cm	66x80x120	
DIMENSIONI / DIMENSIONS			

(•) = Without packing mat



1.8 Storage

Remove the filter and clean it. Empty the waste collection container and store the vacuum cleaner in a place free from atmospheric agents and with a temperature range of 5° C to 45° C. Cover it with a plastic bag to prevent dust from collecting.

1.9 Demolition



In case of demolition, all vacuum cleaner's components must be deposited in appropriate waste disposal sites in accordance with current legislation.

Before proceeding with disposal the plastic and rubber parts must be separated.

The parts made entirely from plastic, aluminum and steel may be recycled if accepted by the appropriate centers.



2. Safety section

2.1 Safety information



According to the law 626/94, the safety supervisor must inform workers of the risks involved with using the vacuum cleaner.

There is also the obligation to provide the workers with sufficient training so that they may be able to avoid injury to themselves and others.

Failure to comply with the norms or basic safety precautions may cause accidents during operation, maintenance and repair of the vacuum cleaner. Often an accident may be prevented by recognizing a potentially dangerous situation before it happens. The worker must be alert to potential hazards and have the necessary training, competence and tools in order to perform these tasks correctly.

Depureco may in no way be held responsible for accidents or damage as a result of vacuum cleaner use by insufficiently trained personnel, incorrect use or failure to observe, even partially, the safety norms and adjustment procedures outlined in this manual.

The safety precautions and warnings are shown in this manual and on the product itself.

if the worker does not pay attention to these hazard warnings, there could be accidents with serious consequences for both himself and others.

The safety messages are denoted by the following symbols:



Warning!

These messages, if unheeded, may cause injury to the worker.



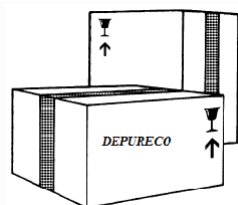
Warning!

These messages, if unheeded, may cause damage to the vacuum cleaner.

Depureco can not foresee every conceivable situation in which there may be a potential hazard.

The warnings in this publication and on the product are not all inclusive.

In the event that instruments, procedures, work methods or technicians not specifically recommended by Depureco are employed, it is necessary to ensure that there is no danger for oneself or others.



Use only original DEPURECO replacement parts

Depureco declines all responsibility for



2.2 Safety measures



Warning!

The following information cannot completely cover all possible hazards incurred during vacuum cleaner operation; common sense and the worker's experience (indispensable ingredients for accident prevention) must be integrated as well. Each section lists ulterior safety measures specific for the various functions.



Warning!

Any maintenance work must be carried out with the pneumatic supply disconnected.

- The employer must ensure the workers skill, experience and training in accordance with current legal requirements.
- If an adjustment or unforeseen intervention is necessary, following a procedure different from that outlined in the manual, consult Depureco prior to beginning.
- In the event that the client installs an accessory not furnished by Depureco to the vacuum cleaner, it is necessary to check that the 98/37 EEC machine safety directive is observed. In any case, Depureco will not assume responsibility for any negative consequences due to use of such parts.
- The vacuum cleaner must not be used in a corrosive or explosive environment.
- Keep the vacuum cleaner free from external elements such as wastes, oil, tools and other objects that could damage its function and cause personal injury.
- Avoid use of toxic or inflammable solvents such as gasoline, benzene, ether and alcohol for cleaning.
- Avoid prolonged contact or inhalation with solvents and their vapors. Avoid using near open flames or heat sources; ensure adequate ventilation.
- Never use the vacuum cleaner without the filter.
- Do not vacuum lit cigarette butts. It could ignite the filter.
- Do not breathe petroleum products or inflammable liquids in general.
- Ensure that all protection equipment and guards are in place and that all safety devices are present and operating.
- Do not use the vacuum cleaner on non-level or inclined surfaces.
- Do not wear loose or flowing apparel such as ties, scarves or torn clothing that could become hung or caught up by the vacuum cleaner.



- Do not open the waste collection container while the vacuum cleaner is in use.
- Never move the vacuum extractor by pulling the pneumatic supply hose.
- The manual must always be nearby, so that it may be consulted to check correct cycle use anytime there is a doubt.
If this manual is lost or damaged, a substitute copy must be requested from Depureco.
- Structural damage, modifications, alterations or unauthorized repairs may compromise the protection capability of the vacuum cleaner thereby rendering this certification null and void.
Modifications must be performed only by Depureco technicians.
- During maintenance interventions a sign must be placed on the vacuum cleaner stating "Machine in maintenance. Do not use".
- It is forbidden to climb on the vacuum cleaner.
- During clean-up after use the employees in charge must check that the vacuum cleaner has been returned to its usual safe working condition, particularly with regard to the safety devices and protection guards pertinent to use.
- Use of the vacuum cleaner is restricted to adults.
- Never insert hands between the waste container and the vacuum cleaner during the locking phase.
Perform the locking procedure using the special lever and BOTH HANDS.
- During use, always stabilize the vacuum cleaner using the special brake located on the turning wheel.



2.3 Safety plates and symbols

Plates showing safety symbols and warnings are applied to both the vacuum cleaner and packaging materials.

These pages show their exact attachment location and the type of hazard involved.



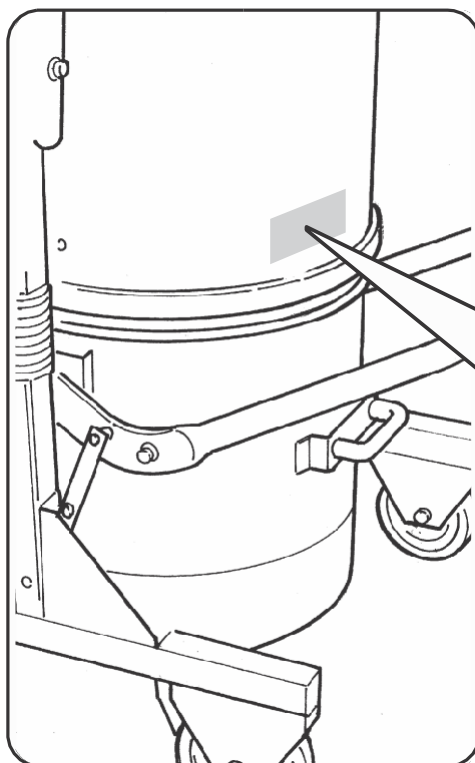
Warning!

Ensure that all safety plates are legible. Clean them using a cloth, water and soap.

Do not use solvents, naphtha or gasoline.

Replace damaged plates, requesting them from Depureco.

If a plate is located on a part that is to be replaced, ensure that a new plate is attached to the new part.



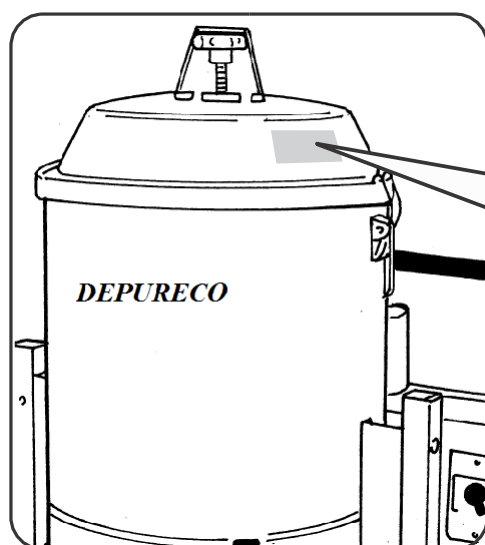
Warning!

Crushing hazard to the upper limbs during insertion and locking phase of the waste container into the vacuum cleaner.

Never put hands between the waste container and the vacuum cleaner during the locking phase.

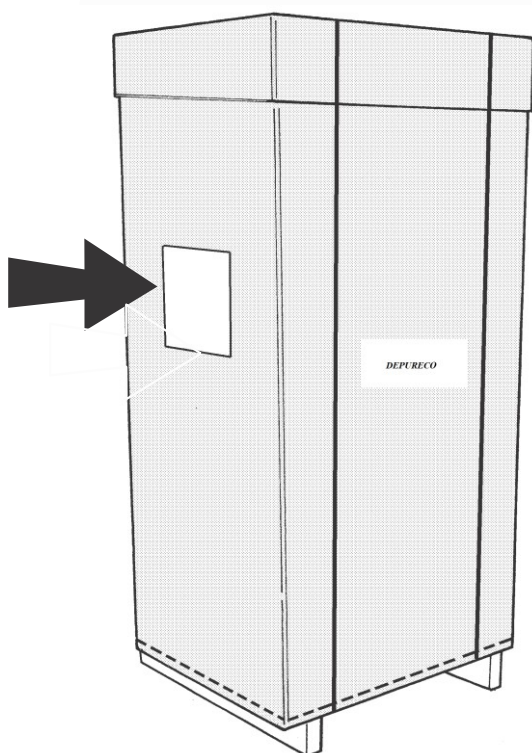
Never put hands in the sides of the container near the guide pins during the locking phase.

Lock the container using the special lever with **BOTH HANDS!**



Warning!

Carefully read the operation and maintenance manual before using or repairing the vacuum cleaner.



Warning!

Carefully read the instructions found on the packaging material before removing and unpacking the vacuum cleaner.



2.4 Residual risks

A careful analysis of risks, performed by the manufacturer and filed in the technical section, has made it possible to eliminate most of the risks involved in using the vacuum cleaner.

The manufacturer recommends scrupulous adherence to the instructions, procedures and recommendations contained in this manual as well as to current safety norms, including use of protection devices for both the vacuum cleaner and the worker.

The residual risks present on the vacuum cleaner may be:

Risks associated with incorrect use in the presence of inflammable substances. The vacuum cleaner must never be used in an environment containing liquids that might vaporize at room temperature or inflammable dust and gas.

Risks associated with operation in a humid environment.

Respect the limits listed in section 1.5 of this manual regarding approved environmental conditions.

Crushing hazard to the upper limbs during the insertion and locking phase of the vacuum cleaner's waste container.

A safety illustration showing this risk is on the vacuum cleaner.

This risk may be avoided by locking the container using the special lever with both hands.

Refer to "section 2.3" for the exact meaning of the safety plates.

Risk of incorrect interpretation of the safety illustrations

In the course of identifying risks, the manufacturing company has installed safety plates (in accordance with relative norms) beside the graphic symbols.

The user is responsible for immediately replacing the safety plates should they become illegible or damaged.



Warning!

It is absolutely forbidden to remove the safety plates present on the vacuum cleaner and on the packaging material.

The manufacturing company declines all responsibility for vacuum cleaner safety in the event this prohibition is unheeded.

2.5 Applied directives

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

- for the applied directives, please refer to the CE compliance declaration.



3. Removal, unpacking and installation section .

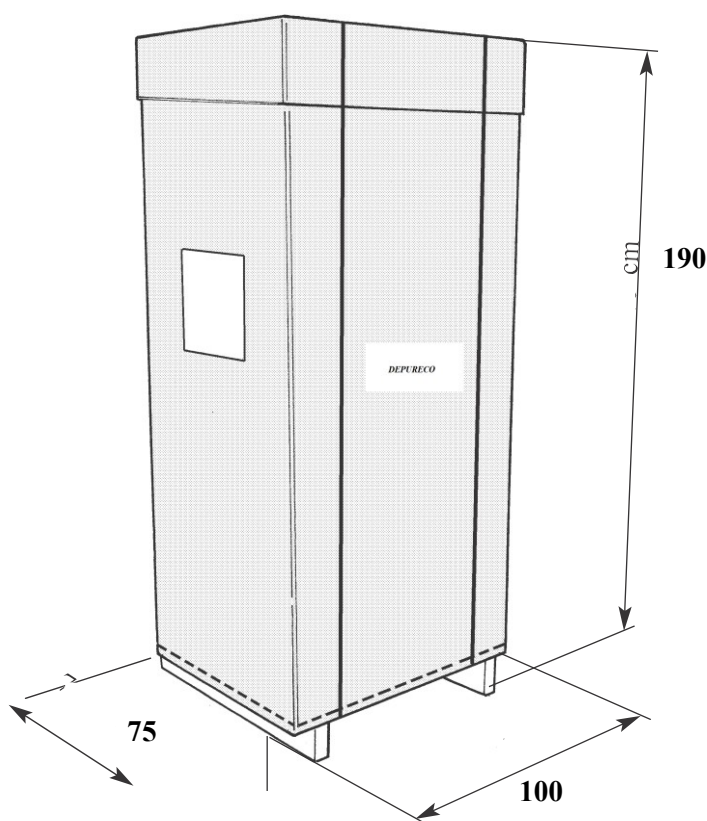
The instructions for correctly removing and unpacking the vacuum cleaner are also found on the packing materials themselves.



These same instructions are repeated in the manual in case the vacuum cleaner must be repacked or disassembled for later transportation.

3.1 Removal

Weight and size of the packaged vacuum cleaner



AC 85 Kg

AC 90 Kg

Lifting and subsequent removal of the vacuum cleaner must be performed using a fork-lift with sufficient load capacity.

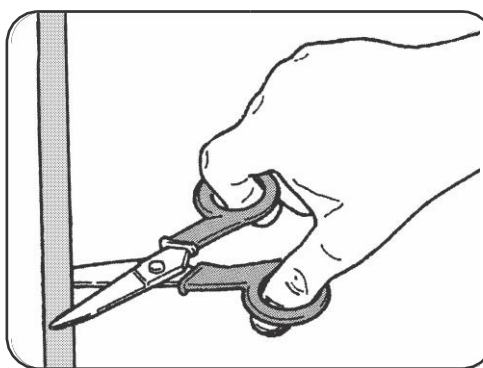


When transporting with the fork-lift, raise the load 200 mm from the ground and go in reverse.

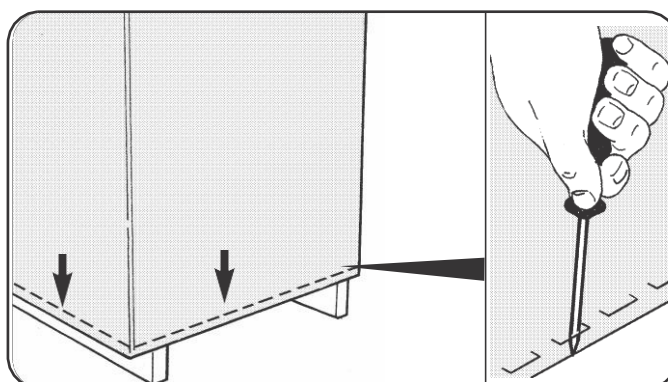


When raising the load, be aware of the ceiling height of the work area.
Before moving make sure the pathway is free from obstructions and no mobile objects are on the package.

3.2 Unpacking



- Cut and remove the two packaging bands.



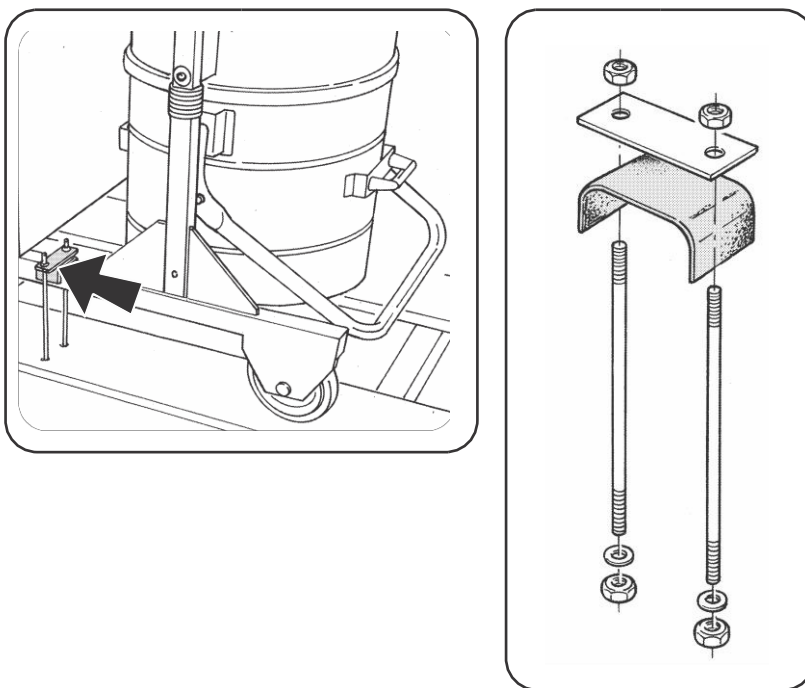
- Remove, with the aid of a screw-driver, the staples holding the cardboard to the platform.



- Completely remove the cardboard.



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



Warning!

Save the platform and fixing posts.

Should the vacuum cleaner necessitate future transport it must be anchored to the platform using the same fixing system.

3.3 Installation



Warning!

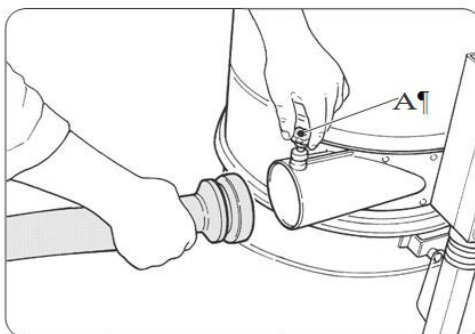
Before proceeding to installation of the vacuum cleaner it is necessary to carefully make a preliminary visual check for possible transport damage.

Should one or more of the components appear damaged do not proceed with the installation procedure but report the defect to the manufacturing company and discuss appropriate action with them.

A suction filter (exclusively for vacuuming non-liquid, dust wastes) is already installed on the vacuum cleaner.

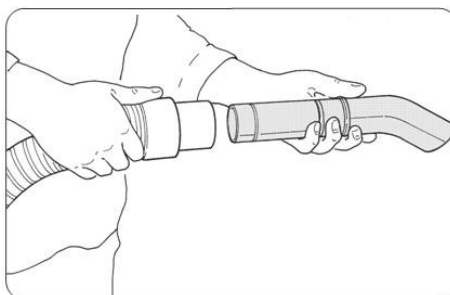
The vacuum cleaner requires a floatation valve (for blocking suction when the container is half full) to remove liquids. Contact product assistance for further information.

- Raise the knob (A) and insert the flexible tube (the ringed end) into the suction mouthpiece. Release the knob.



Attach the appropriate accessory onto the other end of the flexible tube.

Note: the flexible tube with its various endings and the vacuum accessories are not included in the standard equipment.



Contact your retailer for information regarding the variety of optional accessories available for use with this particular model of vacuum cleaner.

Check that the pneumatic supply line is that same as that required by the vacuum extractor.



Warning!

Use of the vacuum cleaner by unauthorized personnel (or those who have not read the operation and maintenance manual) is forbidden.

Workers and personnel authorized for performing maintenance procedures to the vacuum cleaner must receive adequate instruction on the use of individual safety devices (such as shoes, gloves and masks) to eliminate any risks involved in performing the various operations.



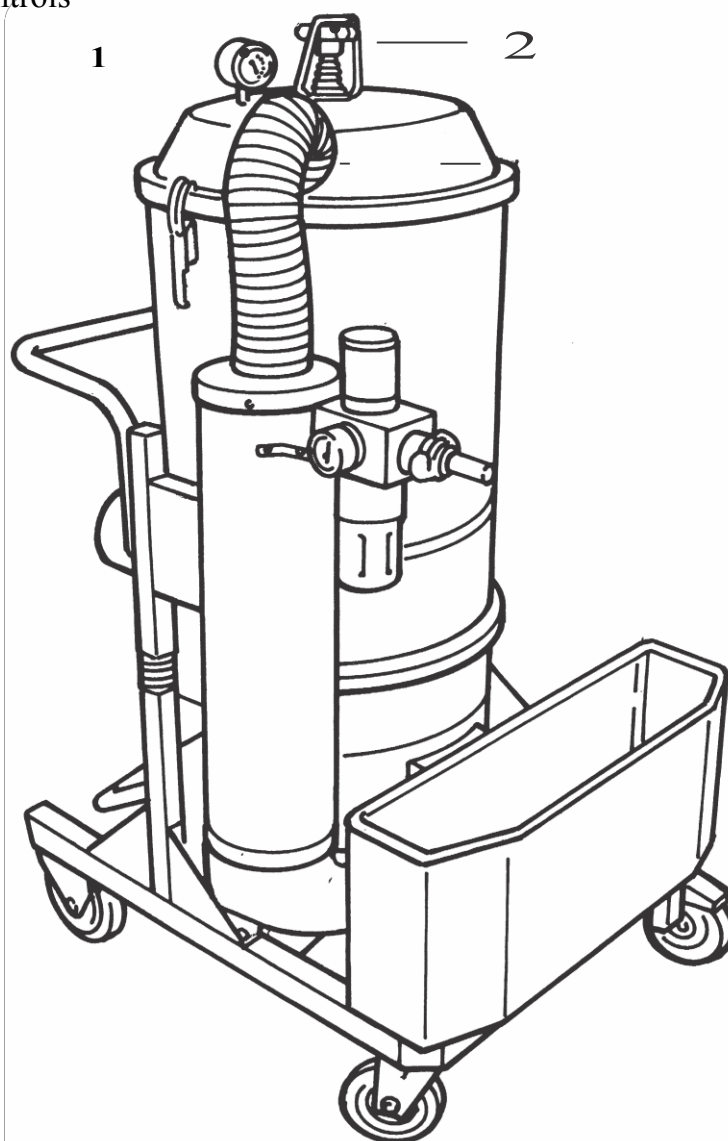
If you have any doubt do not act by yourself!

Please call your retailer



4. Operation section

4.1 Description of controls



1 PRESSURE GAUGE

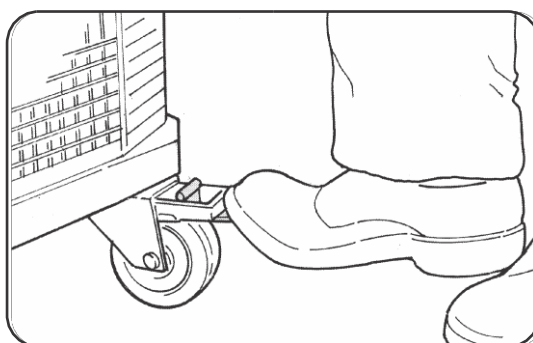
Indicates an obstructed suction filter

2 PUSH ROD AND KNOB for filter shaking



4.2 Work cycle

- Check that the flexible tube is correctly inserted and locked into the suction mouthpiece.
- Check that the waste collection container is in place and locked onto the vacuum cleaner.
- Stabilize the vacuum cleaner using the lever found on the turning wheel as shown in the illustration.



- Attach the chosen vacuum accessory to the end of the flexible tube.
- Insert the pneumatic vacuum hose from one side of the FR group on the vacuum extractor, from the opposite side to the pneumatic supply valve located upstream of the vacuum extractor.
- Open the air supply valve and make sure that the gauge on the FR group shows an incoming pressure of between 7 and 9 bar.
- Start the vacuum.
- To turn off the vacuum extractor close the pneumatic supply valve upstream of the vacuum extractor



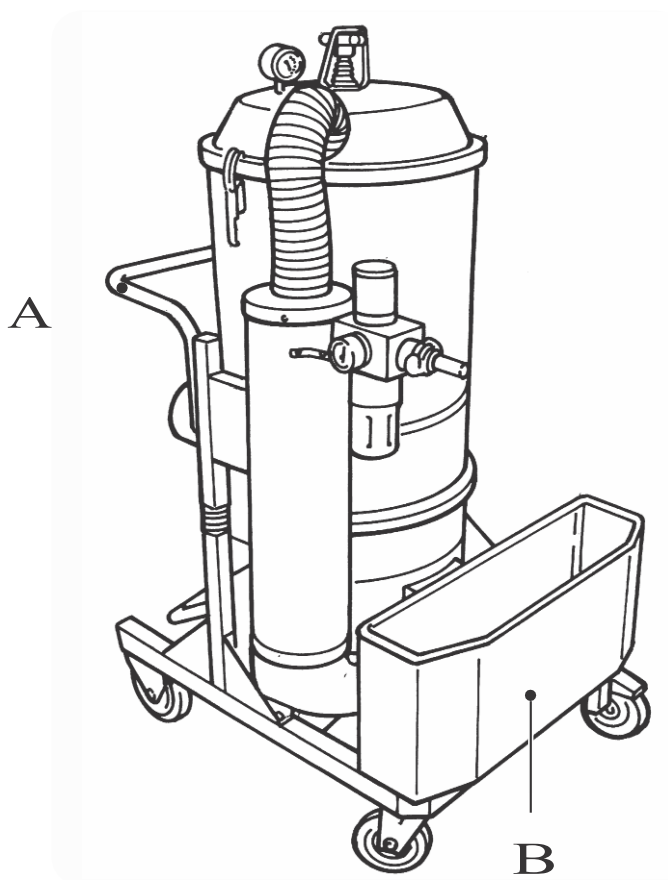
Warning !

Never, under any circumstances, disconnect the pneumatic supply hose from the FR group on the vacuum extractor without first having closed the pneumatic supply valve upstream of the vacuum extractor.



Move the vacuum extractor using the grip provided (A).

The most frequently used accessories may be stored in the special accessory carrying-basket (B) for more convenience.



Warning!

Avoid bending the flexible tube or rolling it around itself during use.

A pressure gauge, showing the depression level inside, is located on the front of the vacuum cleaner.

If the pressure gauge shows the value given in the table (with the vacuum cleaner in use and the suction mouthpiece free) the filter is obstructed.

Stop the machine and clean the filter.

Model	Obstructed filter
AC 65	bar 150
AC 100	bar 150



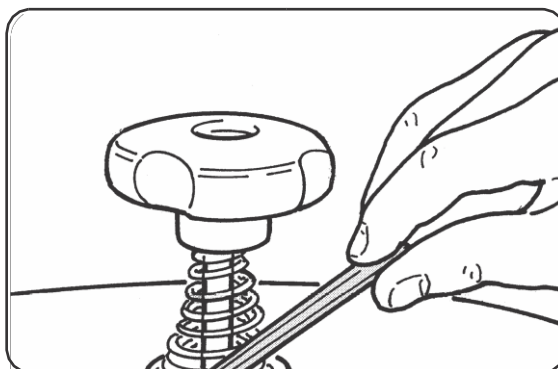
Warning!

Never use the machine with the filter obstructed.

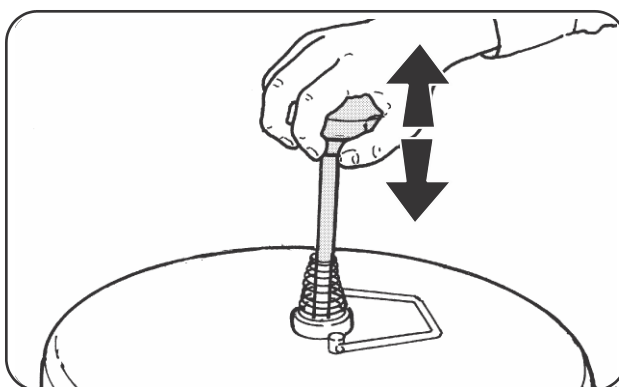


Clean the filter as follows:

- Stop the vacuum cleaner by turning the main switch to “0”.
- Lower the lever (located on the top cover) locking the push rod.



- Quickly raise and lower the knob repeatedly to shake the filter inside.



Lock the push rod again by lifting the special lever and then return to vacuuming.

Warning!



If the pressure gauge shows another irregular depression, the flexible tube or one of the vacuuming accessories could be obstructed. In that case, clean it to remove the cause of the obstruction.

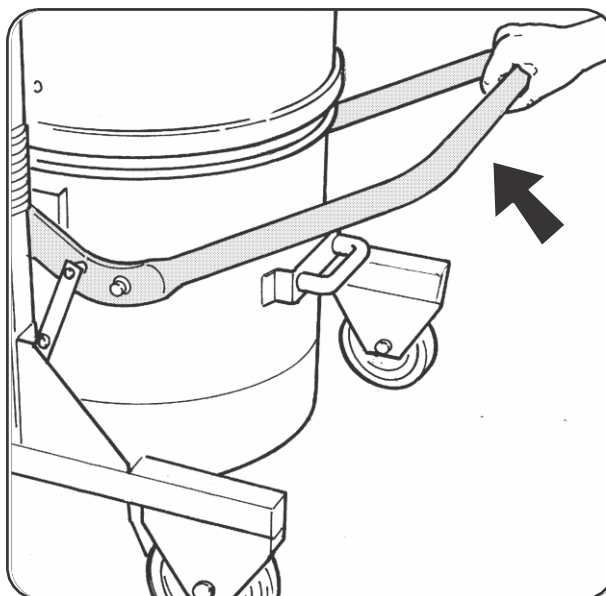


4.3 Emptying the waste container

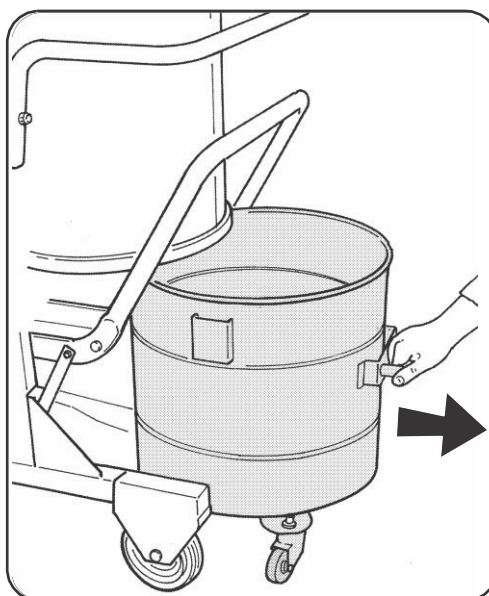
Depending on the quantity and type of material being vacuumed, the inside of the waste container must be frequently checked to avoid overflow.

To empty the container one must:

- Turn off the vacuum extractor by closing the air supply valve.
- Stabilize the vacuum cleaner using the special brake located on the turning wheel.
- Unlock the container by raising the special lever.



- Remove the waste container from the vacuum cleaner using the special handle.



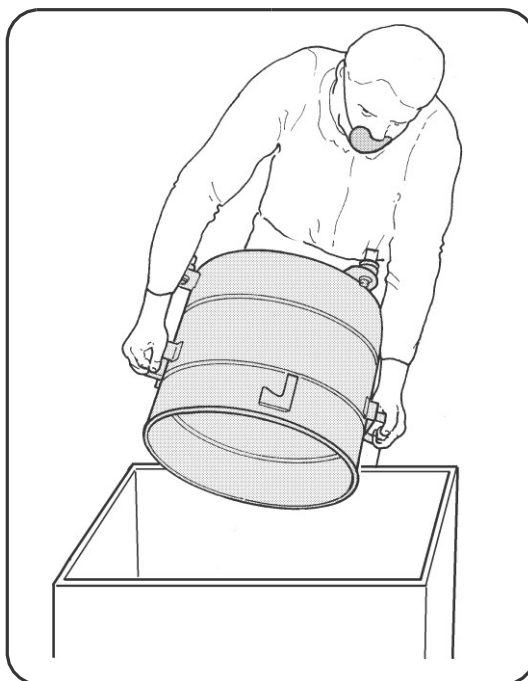


- Empty the waste, inside the container, into an appropriate container for waste disposal according to the laws in vigor of the country where the vacuum cleaner is being used.



Warning!

The use of a dust protection mask is recommended during this procedure.



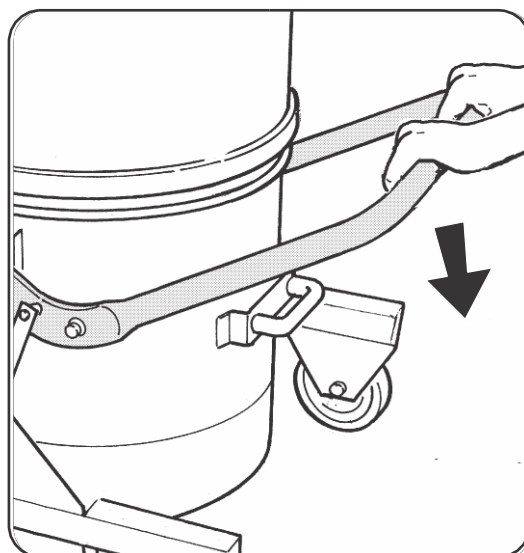
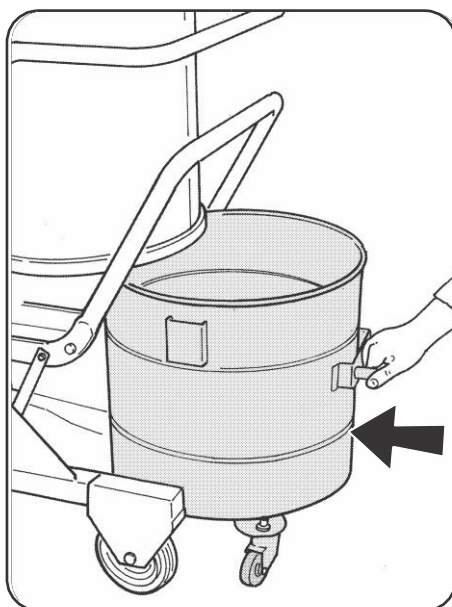
If the container weighs more than 30 kg we recommend getting help from another person. To avoid using the protective dust mask, and for greater commodity, prior to vacuuming a plastic bag may be inserted into the container and fixed with special accessories available on request.



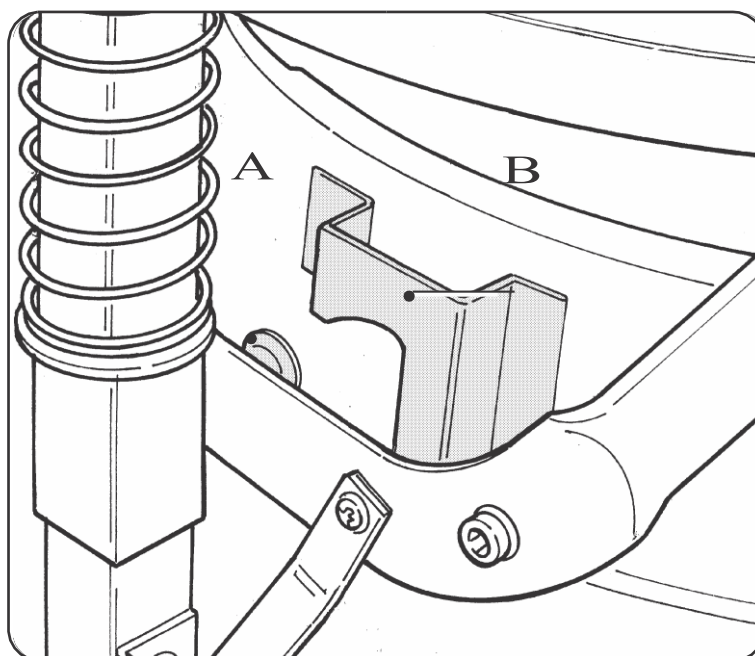


4.4 Inserting and locking the waste container

- Insert the waste container inside the vacuum cleaner.
- Lower the container's locking lever completely, using both hands.



- The studs (A), located on both sides, must be aligned with the grooves (B).



Warning!

Never put hands between the waste container and the vacuum cleaner during the locking process.

Crushing hazard to upper limbs.



Warning!

Heavy maintenance to the vacuum cleaner must be performed exclusively by the manufacturer's technicians.

5. Maintenance section

5.1 Informative notes

This section contains the description of ordinary maintenance and controls indispensable for guaranteeing continued performance of the vacuum cleaner.

Any other intervention deemed necessary for repairs or performance defects must be expressly authorized by the manufacturer.

Always furnish the identification data of the vacuum cleaner when communicating with the manufacturer.

Consultation with the authorized retailer is recommended for important repairs. Their specialized personnel, having all of the necessary technological experience in the machine's authentic manufacturing, are always available and ready for quick intervention.

5.2 General safety norms

Maintenance work for this machine must be performed by technicians specialized and trained in the following sectors:

- Mechanical maintenance

It is the specific duty of the safety supervisor to ensure the reliability and competence of these employees.

Before beginning a maintenance procedure, the safety supervisor must:

- Have the work area cleared of outsiders.
- Ensure that the necessary tools are available to the maintenance employee and are in good condition.
- Ensure that there is sufficient illumination and, if necessary, provide portable 24 volt lamps.
- Ensure that the maintenance employee has the authentic, individual protection devices necessary for the particular procedure (gloves, eye-glasses, shoes, etc.).
- Ensure that the maintenance employee has carefully read the instructions contained in this manual and is thoroughly familiar with the vacuum cleaner's operation.





Before beginning a maintenance procedure, the employee must:

- Disconnect the pneumatic supply and put the vacuum extractor in the safety condition.



Warning!

After each maintenance job, the security supervisor must check the safety condition of the machine and its protection guards.

Maximum reliability and minimum maintenance cost are the result of a maintenance program and planned inspections scrupulously followed through-out the entire duration of the vacuum cleaner.

Scrupulously adhere to the established maintenance intervals and program interventions as needed in relation to the vacuum cleaner's productive cycle.

Always use tools in perfect condition and specifically made for the procedure to be performed. The use of inappropriate and inefficient tools may cause serious damage.



Warning!

All the operations described must be carried out with the pneumatic supply disconnected.

Before beginning any cleaning or maintenance procedure put on appropriate protective clothing, eye-glasses and/or gloves according to the type of work to be done.

Before beginning any maintenance procedure on the vacuum cleaner display a sign stating:

MACCHINE IN MANUTENZIONE

DO NO TURN ON THE PNEUMATIC SUPPLY

Before returning to service, recheck the entire system in accordance with the starting procedure.

After each maintenance procedure run a few test cycles to check the correct operation of the machine.

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

Before each work shift

- Check that the pneumatic supply hose is not damaged.
- Ensure that the safety illustrations attached to the vacuum cleaner are intact.
- Ensure that the waste collection container is empty and locked securely to the inside of the vacuum cleaner.
- Ensure proper function of the filter using the pressure gauge.
- Ensure that the flexible suction tube and accessories are in good condition.



- **Warning!**
The flexible tube, if perforated, lowers the suction power and blows dust into the air.

5.3 Filter replacement

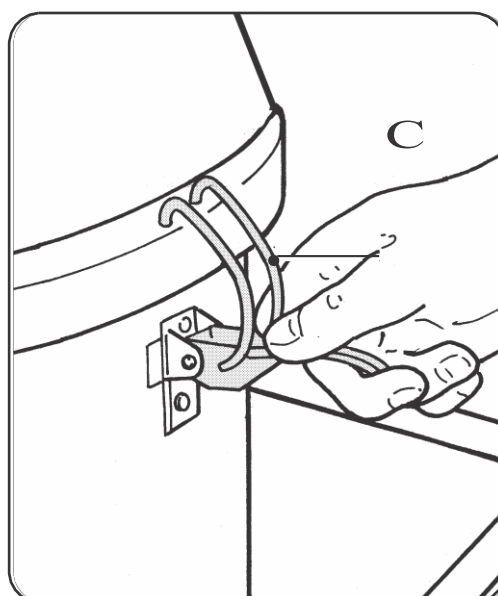
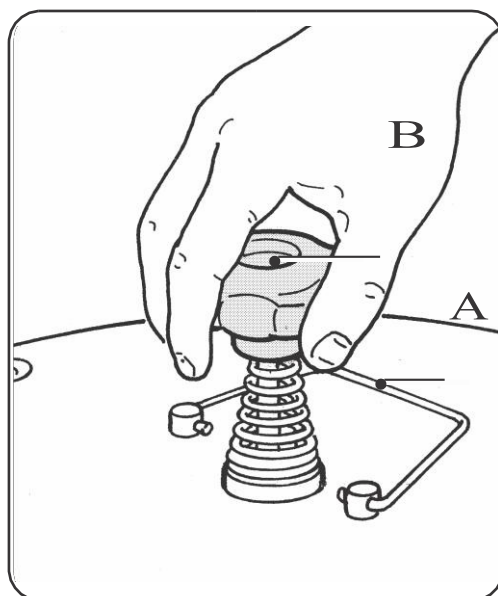
To replace the filter proceed as follows:

- Turn off the pneumatic supply.



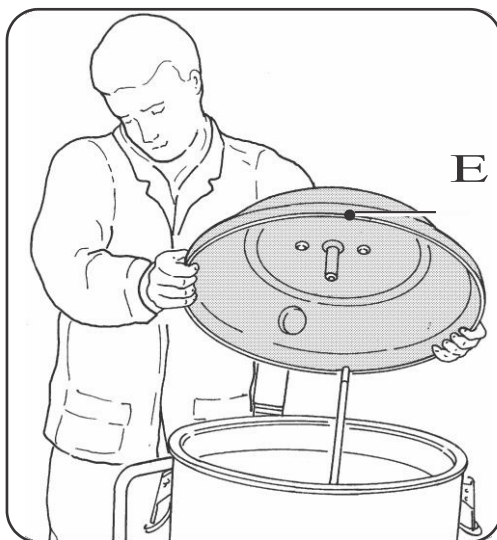
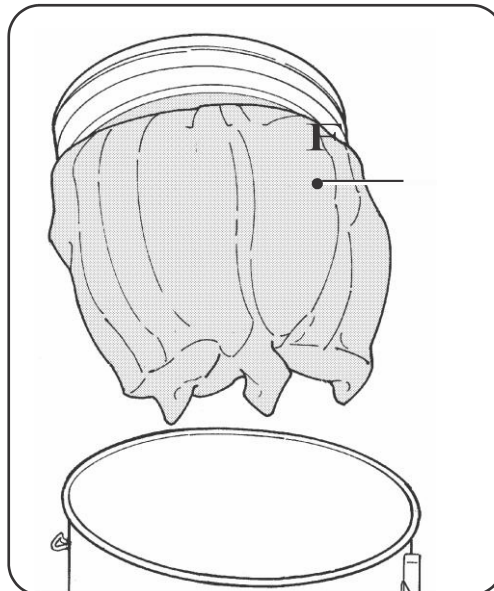
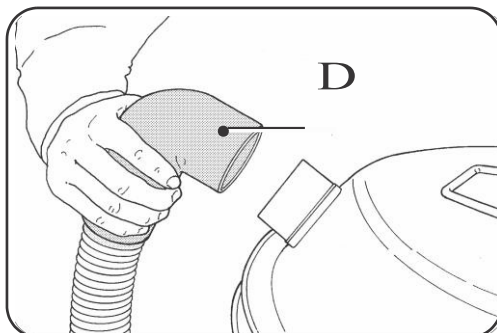
- **Warning!**
Put on the special protective dust mask and latex gloves.

- Lower the lever (A), completely unscrew and remove the knob (B).
- Unlock, from both sides, the two clasps (C).

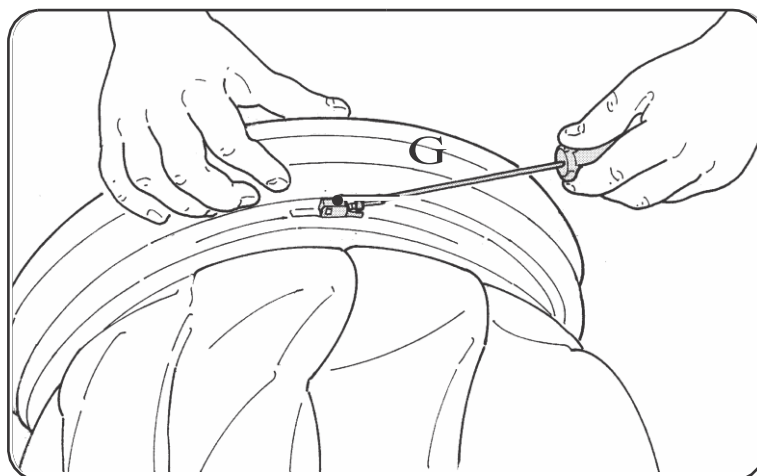




- Remove the suction tube connector (D).
- Raise the top cover (E).
- Remove the filter (F).



- Loosen the fixing band (G), take the filter off of its mounting and use scissors to cut the inner ribbons attaching it.

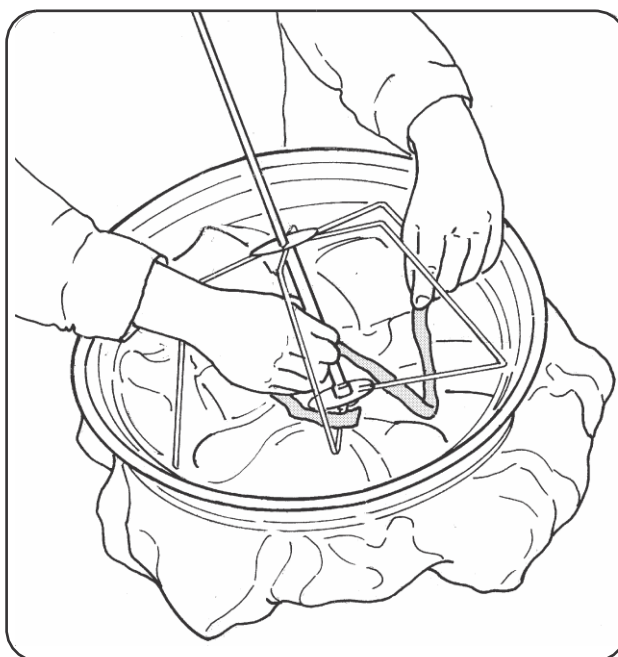


- Put the filter inside a plastic bag, close it and dispose of it according to the laws in vigor regarding the type of material vacuumed.



To replace the new filter it is necessary to:

- Insert the filter into its mounting ring, locking it with the fixing band.
- Lock the filter to the mounting cage, tying it with the ribbons shown in the illustration.



- Insert the mounted filter inside the vacuum cleaner.
- Correctly place the top cover onto the vacuum cleaner and lock it with the side clasps.
- Replace the push rod, screwing it tightly.
- Raise the push rod locking lever.
- Attach the suction tube connector.



5.4 Troubleshooting

DEFECT FOUND	POSSIBLE DAMAGE	RECOMMENDED COURSE OF ACTION
Vacuum cleaner will not start	- No pneumatic supply	- Check the presence of the pneumatic supply - Contact Depureco's technical assistance
The pressure gauge shows irregular depression	- Obstructed filter	- Shake the filter. If insufficient, replace it.
	- Obstructed suction tube	- Check the suction tube and clean it
Dust leakage from vacuum cleaner	- Perforated filter	- Replace the filter
	- Filter unsuitable for type of vacuuming	- Use the filter appropriate for the type of dust being vacuumed



MAINTENANCE INTERVENTION CHART

INTERVENTION 1

Date

TECHNICAL ASSISTANCE

TECHNICAL ASSISTANCE

signature

INTERVENTION 2

Date

TECHNICAL ASSISTANCE

TECHNICAL ASSISTANCE



MAINTENANCE INTERVENTION CHART

	Date
INTERVENTION 3	
TECHNICAL ASSISTANCE	
TECHNICAL ASSISTANCE	
signature	

	Date
INTERVENTION 4	
TECHNICAL ASSISTANCE	
TECHNICAL ASSISTANCE	