

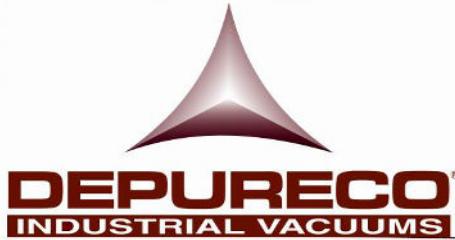
Depureco Industrial Vacuums S.r.l  
C.so Europa, 609 - 10088 VOLPIANO (TORINO)  
Tel. 011. 98. 59. 117 - Fax 011. 98. 59. 326  
[www.depureco.com](http://www.depureco.com) - [depureco@depureco.com](mailto:depureco@depureco.com)

## USE AND MAINTENANCE MANUAL

# Industrial Vacuum FROG



**Carefully read this manual before  
using the vacuum**



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DECLARER

under its own responsibility that the vacuum model  
described in this manual

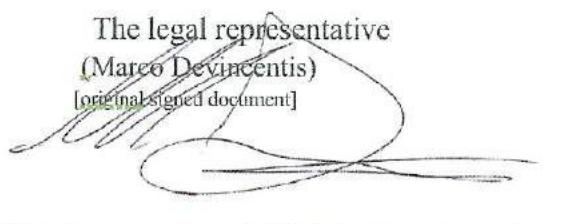
to which this declaration refers, complies with the essential safety requirements of Machinery Directive 2006/42/EC and Directive 2014/30/EU concerning Electromagnetic Compatibility

The standards taken as reference to design, manufacture and test the vacuum in the technical file available at  
DEPURECO S.r.l

This declaration shall no longer be valid in the event of changes to the vacuum made without the  
Manufacturer's authorisation.

Torino, \_\_\_\_\_

The legal representative  
(Marco Devincenzo)  
[original signed document]



## PREFACE

This manual provides all the necessary information for the use and maintenance of your vacuum. Its proper operation and durability depend on maintenance and care.

This specific model has undergone a strict inspection before leaving the factory, to ensure maximum reliability; however, it is important to verify that the vacuum was not damaged during transport in such a way as to compromise its operation and safety.

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

In the event it is lost or damaged, you can request another copy from DEPURECO.

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

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

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

For easier consultation, this manual is divided into sections that are identified by a specific graphic symbol.

The topics covered in this manual are those expressly required by Machinery Directive 2006/42/EC and the technical data are the ones provided by the manufacturer at the time it was written.

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

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



This manual must accompany the vacuum even in the event it is sold!

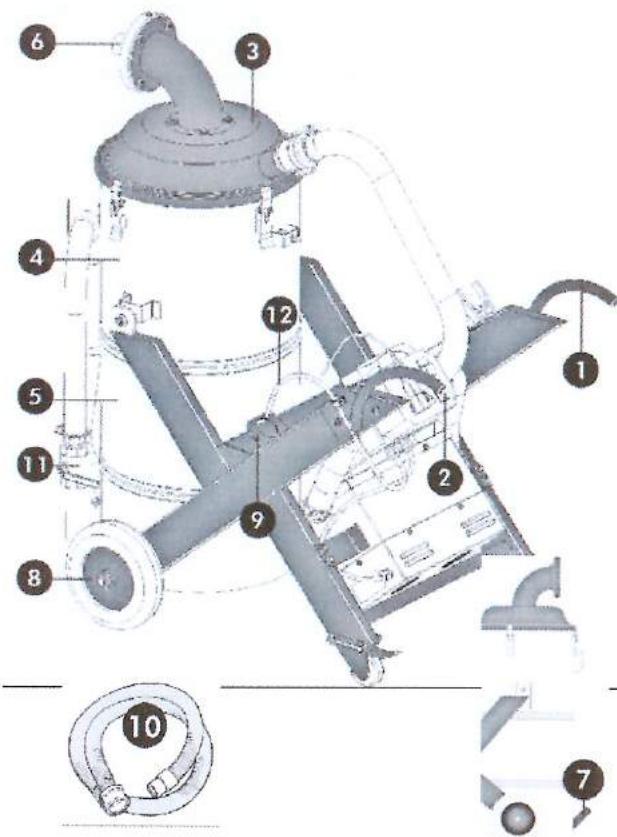


## INFORMATION SECTION



If in doubt do not guess! Call your retailer immediately.

### 1.1 Identification of the main parts



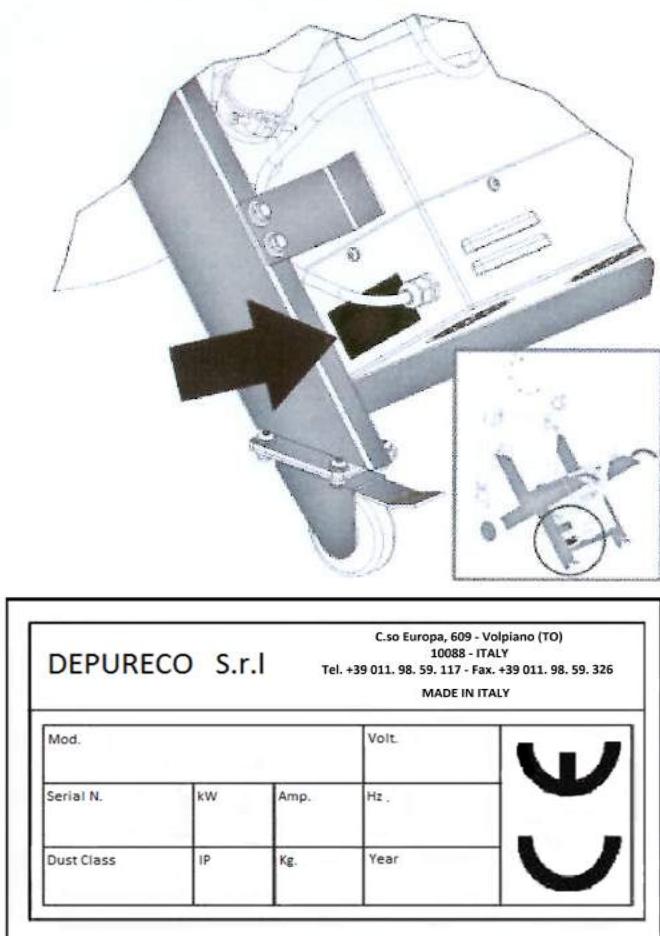
1	Carry handle
2	On/off control
3	Cover
4	Filter chamber
5	Extracted liquid container
6	Suction hose inlet
7	Exhaust pipe inlet
8	Casters
9	Housing for the accessories provided
10	Suction hose
11	Exhaust pipe
12	Electric cable

## 1.2 Manufacturer's identification data

C.so Europa, 609 - 10088 VOLPIANO (TORINO)  
 Tel. 011. 98. 59. 117 - Fax 011. 98. 59. 326  
 www.depureco.com - depureco@depureco.com

## 1.3 Identification plate/CE marking

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



## 1.4 Intended use

This specific vacuum model has been designed, manufactured and protected solely for the extraction and discharge, through the dedicated pipe, of liquids that are not harmful, do not pollute the environment and are not flammable.

Any other use is considered IMPROPER.

This vacuum is intended for professional industrial use.

## 1.5 Allowed environmental conditions

To ensure proper operation, the vacuum must be protected from weather agents (Rain, hail, snow, fog, suspended powders, etc.)

at a room operating temperature ranging between 5 and 45 °C and a humidity below 70%.

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

## 1.6 Noise level

Noise level measurements have been carried out in compliance with the provisions of the UNI Standards 7712. The photometric test carried out on this specific model has shown a sound pressure level of:

db(A) 70

Attention! In compliance with the articles of



Italian Legislative Decree 277/91, workers exposed to sound pressure levels above 85 dB(A) must be protected by suitable personal protective equipment.

## 1.7 Technical data

	FROG
POWER	2,4
VACUUM	250
MAX AIR FLOW	380
VOLTAGE	240   50/60
BIN CAPACITY	130
SOLID BIN CAPACITY	40
INTAKE OPENING	50
SUCTION TIME	130/30
DUMPING TIME	130/50
NOISE LEVEL	70
WEIGHT	95
DIMENSION	70x118x132

## 1.7 Storage

Remove the filter and clean it; empty the refuse collection container and store the vacuum in a place protected against weather agents with

the temperature ranging between 5 and 45 °C and cover it with a nylon tarp to protect it against dust.

## 1.9 Scrapping

In the event of scrapping, all the components of the vacuum must be disposed of responsibly in suitable landfills and in compliance with the standards in force. Before scrapping the machine, the plastic and rubber materials must be separated from the electrical material.

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

## 1.10 Warranty

Depureco guarantees this vacuum model for 12 months from the date of purchase indicated in the receipt upon delivery of the vacuum from the retailer. The warranty is null and void in the event that the vacuum is repaired by unauthorised third parties, equipment or accessories not supplied or not recommended or authorised by Depureco are used or the serial number is removed during the warranty period.

During the warranty period, Depureco undertakes to repair or replace free of charge parts that prove to have manufacturing defects. Repairs are made solely at our premises or in specific Service centres and must be delivered ex works (transport costs are charged to the purchaser, unless otherwise agreed upon). The warranty does not cover cleaning of operating elements. Defects that are not evidently due to materials or manufacturing will be examined solely at our premises or at a specific Technical Service Centre. Should the complaint be unjustified, all repair and/or replacement expenses shall be charged to the purchaser. The purchase receipt must be shown to the authorised technical personnel carrying out the repair and must accompany the vacuum during its shipment. In any event, the following are not covered by warranty: accidental damage due to transport, negligence, abnormal use, improper use, non-compliance with the instructions contained in the instruction booklet or arising from phenomena that do not depend on normal use or operation of the vacuum. Depureco shall not be held liable for

damage to property or injuries to persons caused by misuse or improper use of the vacuum.

Any dispute will be heard by the Court of TURIN.

Protect your purchases by joining the exclusive "warranty plus" program  
Go to [www.depureco.com](http://www.depureco.com), fill in the form to extend the warranty up to 24 months.



## SAFETY SECTION



If in doubt do not guess! Call your retailer immediately.

## 2.1 Information on safety

In compliance with Italian Law 626/94, the Safety Manager must inform workers about the risks related to the use of the vacuum.

Moreover, it is mandatory to train workers in order for them to be able to safeguard their own and other workers' safety.

Failure to comply with basic safety standards and precautions can cause accidents during operation, maintenance and repairs of the vacuum. Accidents can frequently be avoided by recognising potentially hazardous situations before they occur. Operators must be alert to potential dangers and be provided with training, competencies and equipment required to carry out their tasks correctly.

Depureco shall not be held liable for accidents or damage due to the improper use of the vacuum by untrained personnel or to failure to comply, even partially, with the occupational safety standards and intervention procedures contained in this manual. Safety warnings and precautions are indicated in the attached manual, which is integral part of this one, under the title "SAFETY WARNINGS FOR LIQUID SOLID VACUUM" and on the product itself.

Operators must pay special attention to these hazard warnings to prevent accidents

serious consequences for themselves and others. Safety messages are emphasised by the following symbol:



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



WARNING! Failure to comply with these messages can damage the vacuum.

Depureco cannot foresee every possible circumstance involving potential hazards.

The warnings in this publication and the product are, therefore, not exhaustive.

In the event that equipment, procedures, work methods or techniques not expressly recommended by Depureco are used, it is crucial to ensure beforehand that there are no dangers for oneself and the others.



Use only GENUINE DEPURECO SPARE PARTS. Depureco shall not be held liable for damage caused by the use of non-genuine spare parts.

## 2.2 Safety requirements

As for safety requirements, carefully read and comply with the indications provided in the attached manual: "SAFETY WARNINGS FOR LIQUID SOLID VACUUM".

## 2.3 Safety plates and symbols

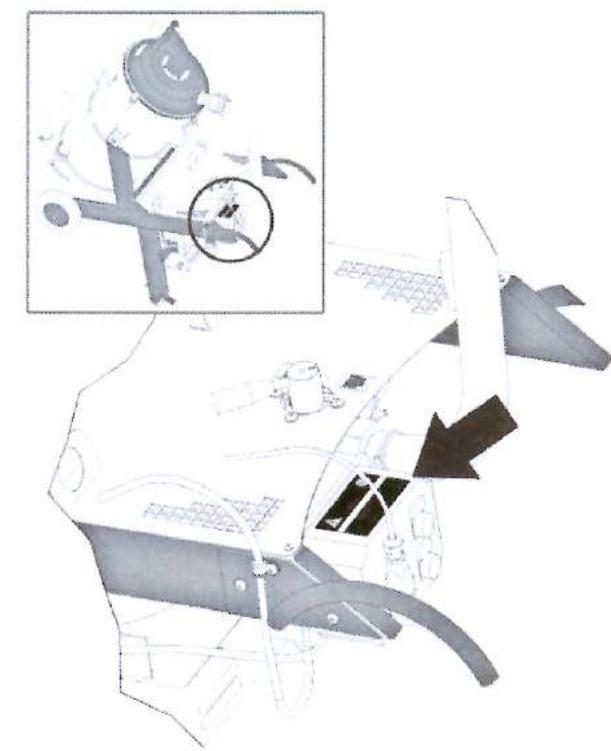
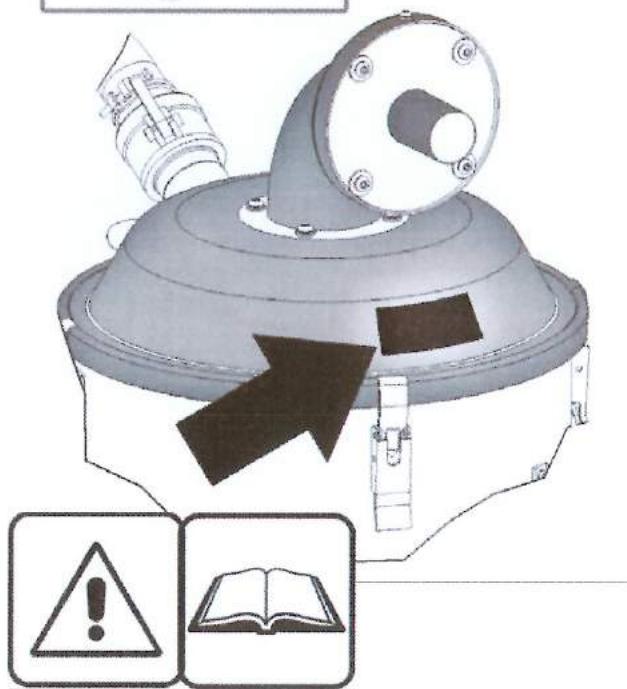
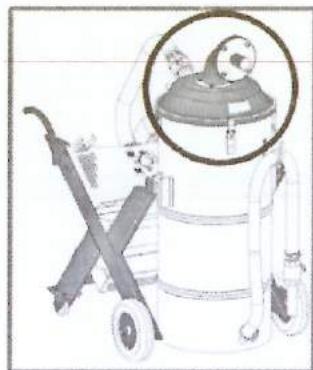
Plates with safety symbols and messages are applied to the vacuum.

These pages show their precise location and the nature of the hazard.



Attention!

Ensure that all safety messages are perfectly legible. Clean them using a cloth with water and soap. Do not use solvents, naphtha or petrol. Replace damaged plates requesting them from Depureco. In the event that a plate is located on a piece that is replaced, ensure that a new plate is affixed to the new piece.





Attention!

Carefully read this use and maintenance manual before using the vacuum or carrying out maintenance interventions.

Attention!

It is strictly prohibited to remove the safety plates from the vacuum and packaging.

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



## HANDLING, UNPACKING AND INSTALLATION SECTION



If in doubt do not guess! Call your retailer immediately.



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

The manual describes the operations to be carried out in the event that the vacuum must be packed or unpacked again for subsequent transport.

### 3.1

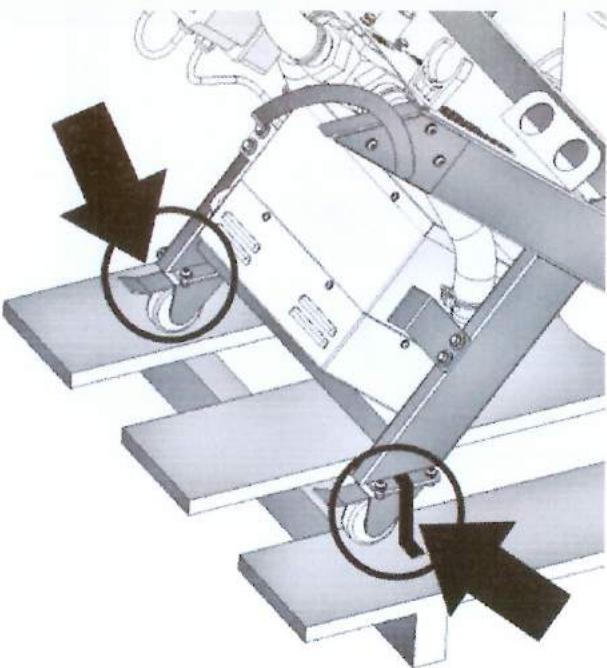
Lifting and subsequent removal of the vacuum cleaner must be performed using a fork-lift with sufficient load capacity when transporting with the fork-lift, raise the load 200mm from the ground and go in reverse.

Kg ~ 95



### 3.2 Unpacking

Upon removing the protective wrapping, loosen and remove the two brackets that secure the machine to the pallet (see arrows).



### 3.3 Installation

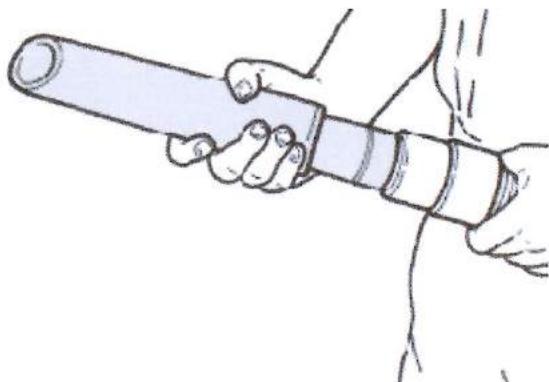
**Warning!**



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

In the event that one or more components are damaged, DO NOT CONTINUE with installation and inform the manufacturer about the anomaly and agree upon the actions to be taken.

The vacuum is already equipped with a suction filter.



Attach the required accessory to the end of the suction hose.

*Note: the suction hose with its ends and accessories are provided as a STANDARD.*

Contact your retailer for information regarding OPTIONAL accessories that can be used with this vacuum model.

Ensure that the power supply line corresponds to the voltage and frequency indicated on the vacuum identification plate (see 1.3 on page 4).



The socket to power the vacuum must be protected by a mains disconnect switch.

In the event that an extension must be used, ensure that it complies with the EC standard; also ensure that it is in perfect state and that it has a cross-section suited to the power consumption of the vacuum.

**ATTENTION!**

Carefully follow the safety instructions when handling live equipment.



## OPERATION SECTION



### ATTENTION!

the use of this vacuum by unauthorised personnel or that has not read the use and maintenance manual is prohibited. All authorised operators must be suitable educated on the use of PPE.

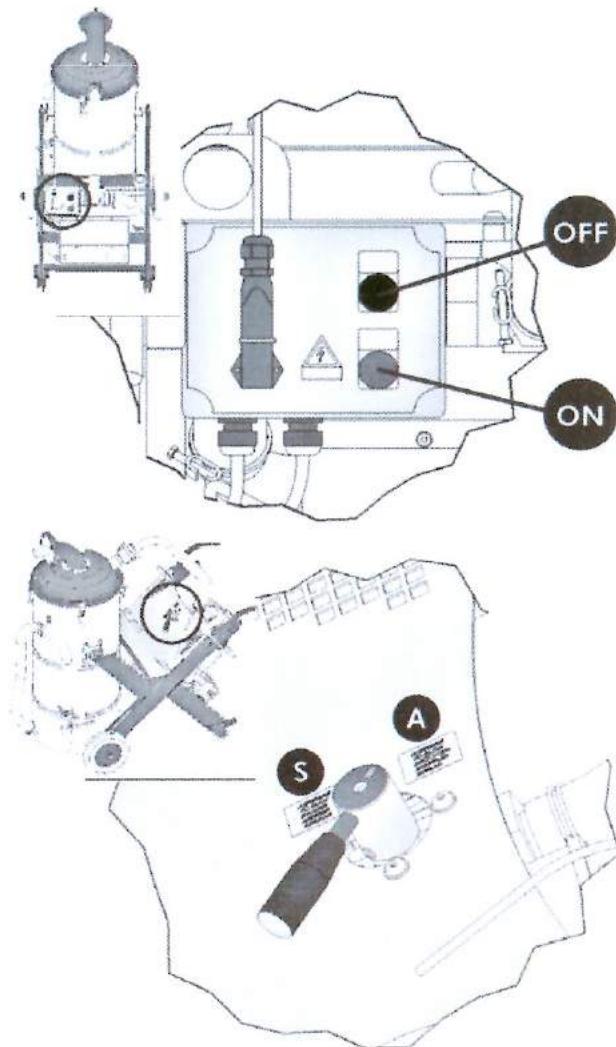


If in doubt, do not guess! Call your retailer immediately.

### 4.1 Description of the controls

The on and off buttons are located as in the figure and are indicated by messages and colours as follows:

ON: green: "1 ON"  
OFF: red: "0 OFF"



The control lever of the suction valve is located as in the figure and can be set to VACUUM (A) or BLOW (S).

### 4.2 Operating cycle

- Ensure that the power plug is inserted correctly into the socket.
- Ensure that the power cord and extension (if available) are intact and in perfect state.
- Set the control lever of the suction valve with the arrow pointing to VACUUM (A).
- Grasp the end of the suction hose and attach the chosen suction accessory to it.
- Press the GREEN (ON) button to start the motor and start vacuuming.
- To stop vacuuming, press the RED (OFF) button that stops the motor.

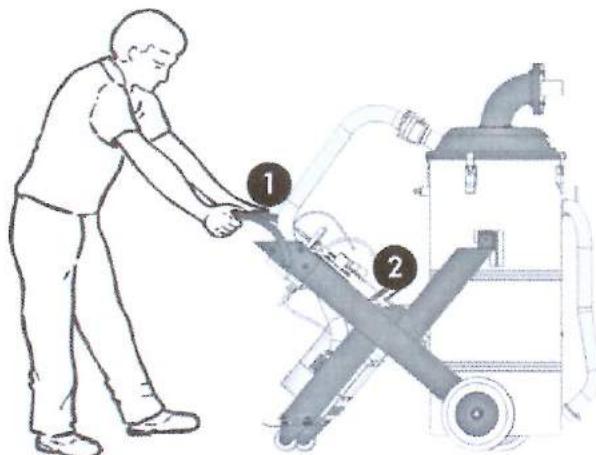


### ATTENTION!

Ensure that the motor is fully stopped before restarting the vacuum.

- Unplug the vacuum upon completing the operation.

Move the vacuum from the handles (1), as shown in the figure. For greater practicality, the accessories used more frequently can be located in the dedicated accessory compartment (2).



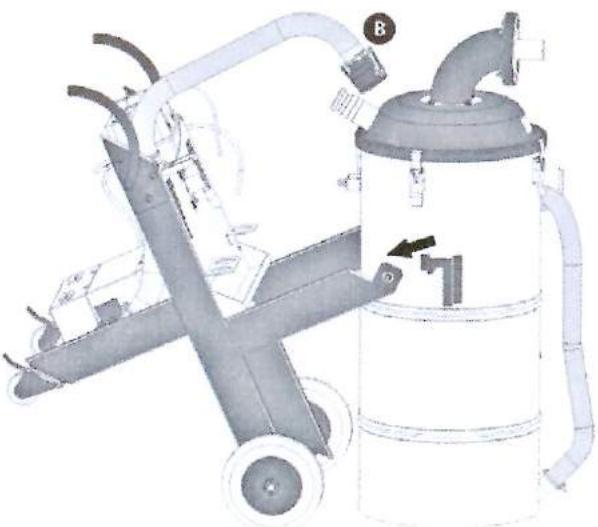
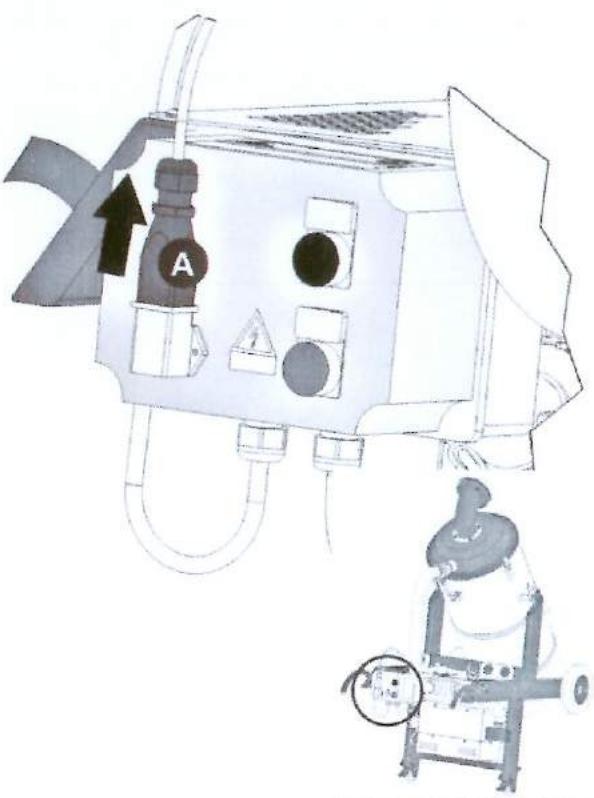
### WARNING!

Prevent the hose from rolling up or bending during operation.

#### 4.3 Replacing the container

Frog allows detaching the full container and attaching an empty one to reduce working time.

To remove the container, turn the machine off, remove the plug (A), remove the suction pipe (B), and tilt the support frame, as shown in the figure, detaching the container. Install the new container and continue with operation.

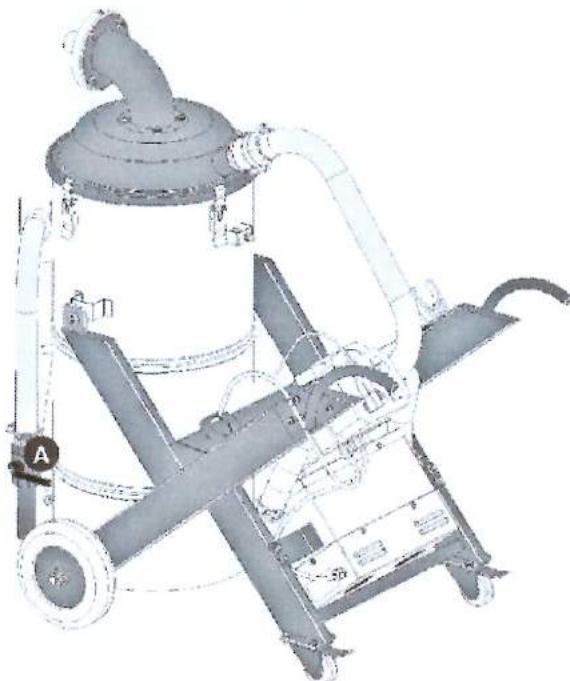


#### 4.4 Emptying the container

A level sensor will automatically turn the vacuum off when the liquid container is full.

To empty the container, proceed as follows:

- Turn the vacuum off by pressing the red STOP button.
- Set the control lever of the suction valve with the arrow pointing to BLOW (see 4.2 on page 9 (S)).
- Turn the vacuum on by pressing the GREEN (ON) button (see 4.1 on page 9).
- Access the exhaust area.
- Open the liquid drain gate valve located on the exhaust pipe (A) (see figure).





## MAINTENANCE SECTION



### WARNING!

Special vacuum maintenance must be carried out solely by the manufacturer's technicians.



If in doubt do not guess! Call your retailer immediately.

### 5.1 Information notes

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

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

In these cases, always communicate the vacuum identification data.

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

### 5.2 General safety regulations

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 there is enough light and, if necessary, provide 24 Volt torches.
- Ensure that the maintenance technician is provided with conforming personal protective equipment

- Ensure that the maintenance technician has carefully read the instructions contained in this manual and knows the operation of the vacuum perfectly well.

Safety warnings and precautions are indicated in the attached manual, which is an integral part of this one, under the title: "SAFETY WARNINGS FOR LIQUID SOLID VACUUM"

Before every work shift

- Ensure that the power cord, plug and extension (if present) are not damaged.
- Ensure the integrity of the safety pictograms applied to the vacuum.
- Ensure that the liquid collection container is empty.
- Ensure the integrity of the suction hose and of the accessories to be used.



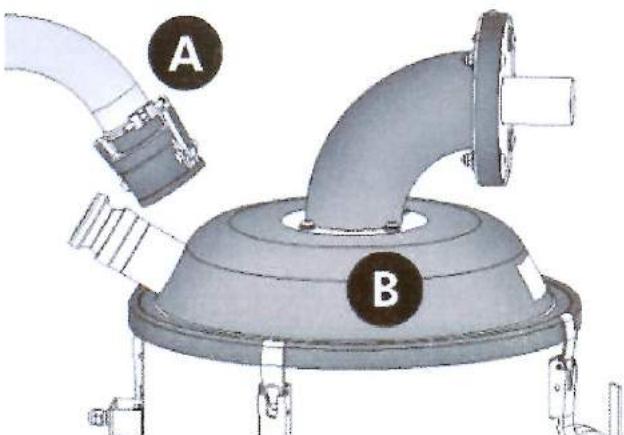
### Attention!

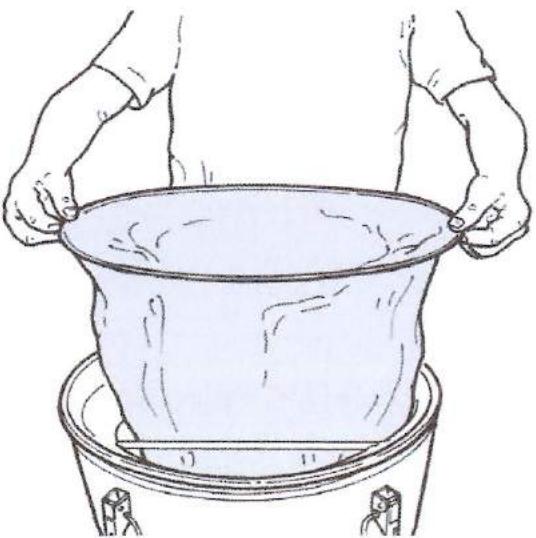
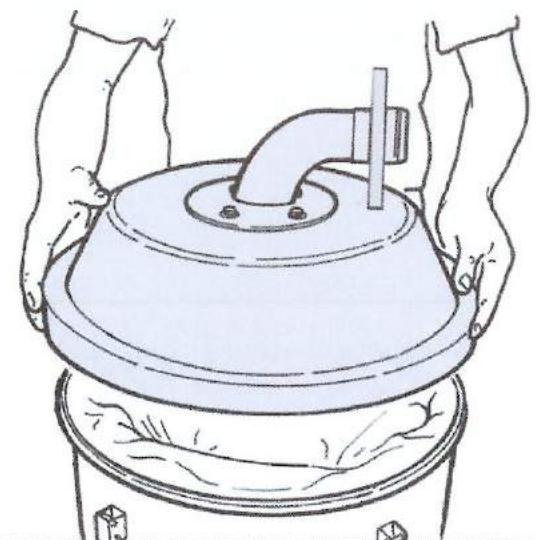
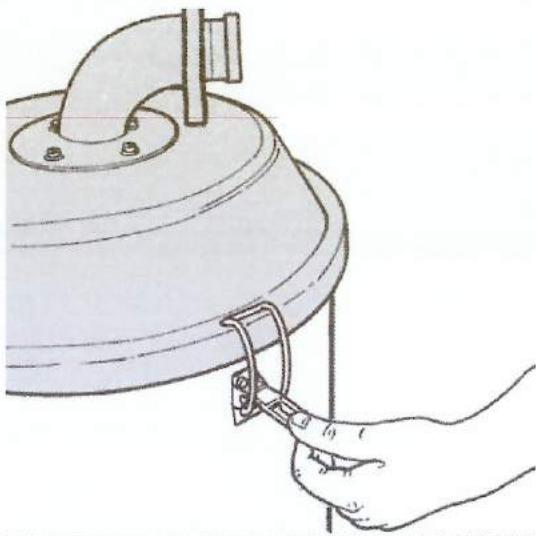
A perforated hose reduces suction/blowing power and disperses liquids in the environment.

### 5.3 Replacing the filter

To replace the filter, proceed as follows:

- Turn the vacuum off by pressing the red STOP button.
- Unplug the vacuum
- Detach and remove the quick-coupling (A) of the suction hose.
- Detach the cover (B), releasing the four hinges.
- Remove the cover.
- Remove the filter and replace it.



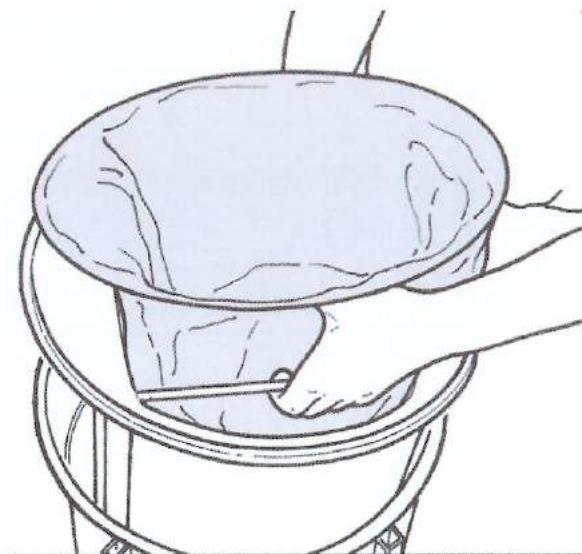


In the event of debris inside the filter or perforated filter, lift the filtering unit from the handles, remove the filter and clean the filter holder.

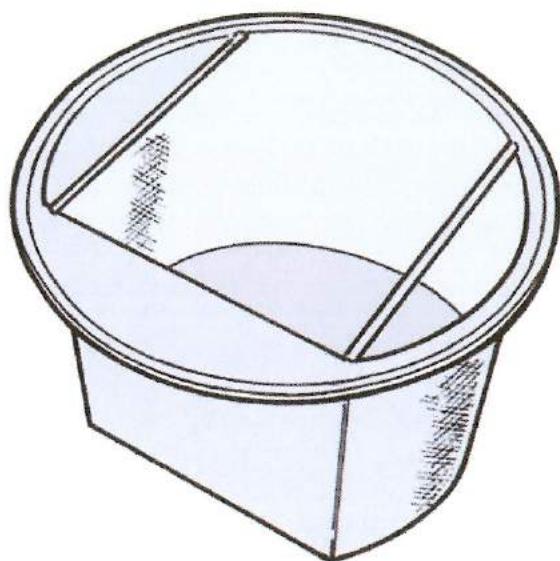


Attention!

The debris inside the filter and the filter itself must be disposed of in compliance with the standards in the country of use.



Rinse the filter holder, insert the new filter and reassemble everything inside the compartment, placing the cover back on and locking it.



## 5.4 Troubleshooting

DETECTED ANOMALY	POSSIBLE CAUSE	RECOMMENDED SOLUTION
The vacuum does not start up	No power supply	<ul style="list-style-type: none"> <li>• Ensure the presence of voltage in the socket</li> <li>• Ensure the integrity of the plug and power cord</li> <li>• Contact the technical assistance service Depureco</li> </ul>
Liquid leakage	Perforated suction hose	Replace the hose
	Perforated blowing hose	Replace the hose
	Loose or broken suction hose clamp	Tighten the clamp or replace it