

Oil mist collector  
**TECNOMIST**

**INSTRUCTIONS FOR USE AND INSTALLATION**

ENGLISH LANGUAGE EDITION



**Packaging and Assembly Information**

**INSTALLER**

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**USER**

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Instructions for the  
**INSTALLER**

## Purpose of the Instructions

The instructions are intended for the installer authorized for assembly.

- The purpose is to prevent and minimize risks during interaction.
- The instructions are provided by the manufacturer in the ENGLISH language.
- Translations were originally made from the ORIGINAL ITALIAN language, any alterations must be communicated to the manufacturer.
- Each translation must include the statement: "TRANSLATED FROM ORIGINAL LANGUAGE"

- Keep the instructions in a known location so they can be consulted when necessary.
- The manufacturer may make changes to the instructions without prior notice. Any modifications made to the instructions MUST NOT compromise the level of safety.
- Recipients may suggest improvements to optimize after-sales service.
- DO NOT modify the content of the instructions without the express authorization of the manufacturer.

## Manufacturer Identification and Safety Signals

**Warning signals and information**

**Model**

**Manufacturer identification**

**Serial number**

**Power Supply**

**Installed Electric Power**

**Total Mass**

**Manufacturing year**

**Filtration grade**

**WEEE Symbol**

**CE Compliance Marking**

**Read the "Instructions for Use"**

**TECNOMIST**  
ASSIEME: ASPIRATORE INDUSTRIALE A VENTOLA

**italy\*vacuum**

ITALYVACUUM SRL  
Strada della Fabbrina, 6/E  
61122 – Pesaro (PU)  
Italia

S/N: \_\_\_\_\_  
Tensione: \_\_\_\_\_  
Potenza Motore: \_\_\_\_\_  
Massa: \_\_\_\_\_

ANNO DI COSTRUZIONE: \_\_\_\_\_

## Attached documentation

Along with the instructions for use, the manufacturer provides the listed documentation.

- CE Declaration of Conformity

- Electrical system diagrams
- Specific instructions for installed components or commercial subassemblies

## Safety Warnings

- Carefully read all instructions, including those directly affixed to the vacuum cleaner.
- Take time to read thoroughly to avoid risks to personal safety and economic damages.
- Consult the “Instructions for Use” (particularly during first use) and ensure you understand the content.
- Pay attention to any RESIDUAL RISKS that may exist and avoid IMPROPER USE.
- The manufacturer has applied “good engineering practices” during the design phase”.
- Perform operations ONLY according to the methods specified by the manufacturer in the “Instructions for Use.”
- Keep safety and information signs legible and adhere to the provided instructions.

### Safety Warnings for Handling and Installation

- Handling and transportation must be carried out ONLY by authorized personnel.
- Personnel must have recognized professional skills in the use of lifting devices.
- Assistance from one or more helpers may be necessary during certain phase.
- Helpers must be trained and informed in advance about the tasks they will perform.
- Wear appropriate PPE (Protective Equipment) suitable for the type of operation to be performed.
- Perform handling according to the instructions on the packaging and/or the packages.
- Securely anchor the shipping packages to ensure the integrity of the contents during transportation.
- Loading and unloading must be carried out with lifting devices that are correctly attached.
- DO NOT use lifting devices that have operational anomalies.
- DO NOT attempt to bypass the handling procedures and the designated lifting points in any way.
- Lift the load slowly to the minimum necessary height (15 cm).
- Avoid dangerous swinging of the load during movement.
- DO NOT perform handling with insufficient visibility or when obstacles are present along the path.
- DO NOT allow people to pass through or remain within the operating radius during lifting and handling operations.

- Unload the packaging in the immediate vicinity of the installation area.
- Before installation, implement a “safety plan” in accordance with current labor laws.
- The “safety plan” must take into account surrounding activities and perimeter spaces.
- The area must allow for safe installation conditions
- Remove any obstructive components from the area and clean it thoroughly.
- The area must be well-lit, well-ventilated, and sheltered from the elements.  
This precaution is necessary to avoid deterioration and to achieve maximum performance.
- The installation area MUST be free from the risk of explosion and/or fire.
- Ensure that the area is prepared with the connections agreed upon during the contract phase.
- Mark off the operational zone to prevent access by unauthorized personnel.
- The purchaser, according to the agreements, must provide adequate lifting devices.



### Caution - Warning

**The extractor MUST be installed with a slight incline toward the discharge pipe to prevent oil accumulation (use washers/spacers).**

- Verify that all power supplies are efficient and compliant with current laws.
- Dispose of all packaging components in accordance with the laws of the installation country.
- After installation, start the operation to perform the testing.

### Safety warnings for handling electrical equipment

**The electrical equipment is built in compliance with current laws.**

- The system operates correctly if the following conditions are met.
  - Ambient temperature and relative humidity are within the allowed minimum and maximum limits.
  - Absence of electromagnetic interference and radiation (X-rays, lasers, etc.) in the environment.
  - Absence of areas with concentrations of potentially explosive gases and dust and/or fire risk in the environment.
  - Use of products and materials free from contaminants and corrosive agents.

**Note: Chemical substances (acids, salts, etc.) can cause irreversible damage to electrical components.**

- Transport and storage temperature must remain within the allowed minimum and maximum limits.

**Note:** Exposure time and temperatures outside the specified range may cause irreversible damage to the components.

- Altitude not exceeding the allowed max. limits.

- Power cable with a cross-section appropriate for the power and current intensity.

- Degree of protection in line with what is indicated by the manufacturer.

**Note:** If it is not possible to meet the listed conditions, agree on the solutions to be adopted during the contract phase.

- Dispose of Waste Electrical and Electronic Equipment at authorized centers to avoid harmful effects.

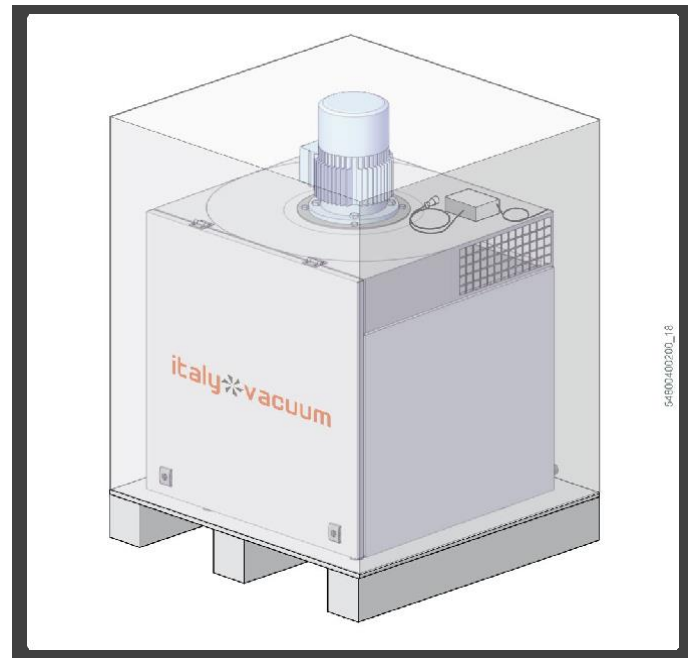
**Note:** Electronic components contain hazardous substances and are marked with an appropriate symbol.

The illegal disposal of hazardous waste is punishable under the laws of the territory where the violation is detected.

- Failure to comply with the instructions poses risks to personal safety and can result in economic damages.

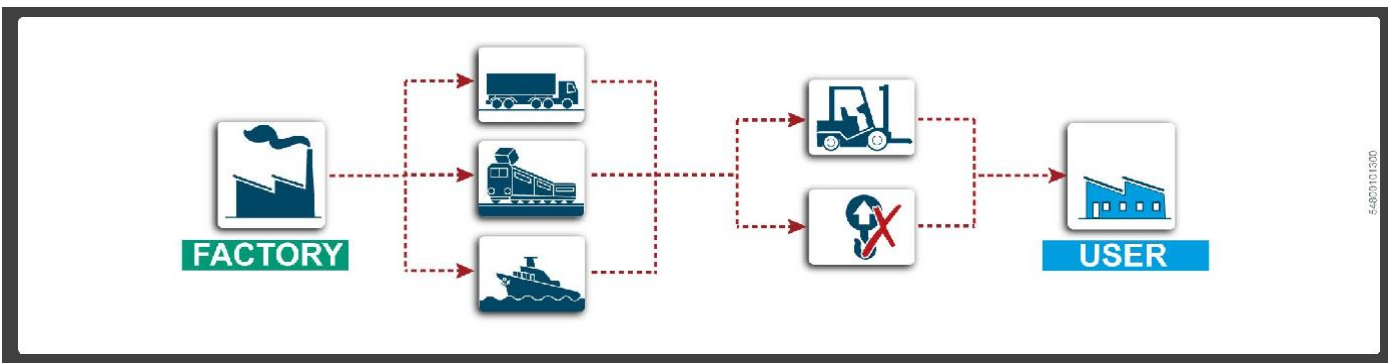
## Packaging

- The manufacturer has paid particular attention to the packaging to minimize risks during handling.
- Shipment is carried out with some components disassembled and properly protected.
- The packaging for sea transport is of the "overseas" type, to ensure the preservation of the packed items.
- The electrical and electronic parts are properly packaged to protect them from humidity.
- Each shipment is accompanied by a document listing and describing the packages.
- Dispose of all packaging materials in accordance with the laws of the installation country.



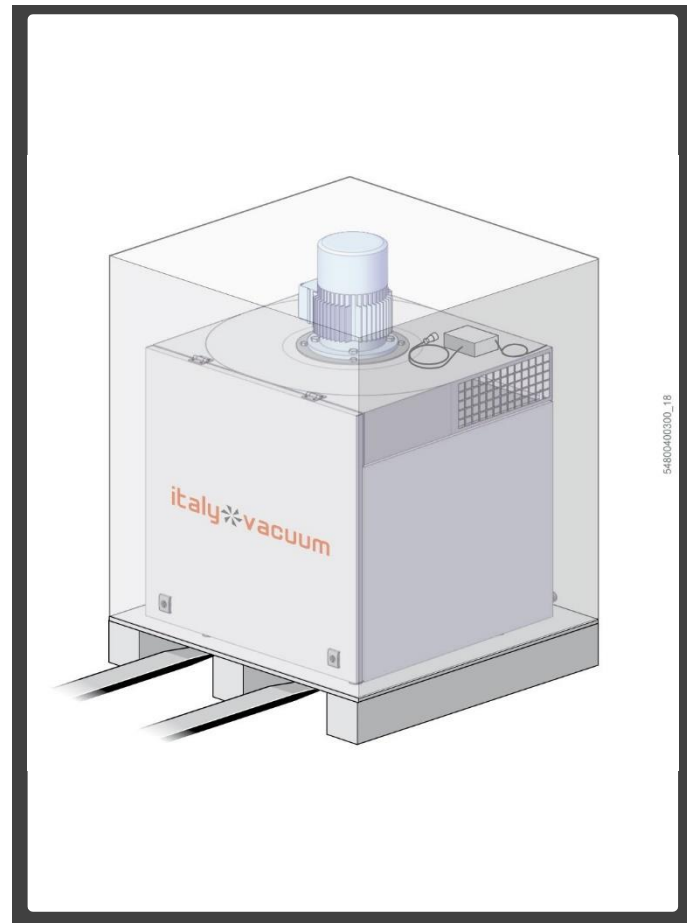
## Trasportation

Transportation is carried out using different means depending on the destination.



## Handling and Unpacking

- Wear the PPE required by labor laws.
- Read and follow the instructions on the packaging.
- DO NOT use lifting devices that have operational anomalies.
- Lift the load slowly to the minimum necessary height.
- DO NOT allow people to pass through or remain within the operating radius during lifting and handling operations.
- Unload the packaging in the immediate vicinity of the installation area.
- For prolonged storage, periodically check the storage conditions of the packages.
- Ensure that the packaging is completely intact.
- Verify that the materials match what is listed in the accompanying document.
- During unpacking, check the integrity of the component.
- In case of damage or missing parts, contact the manufacturer.
- Remove the fastening elements.
- Dispose of all packaging materials in accordance with the laws of the installation country.



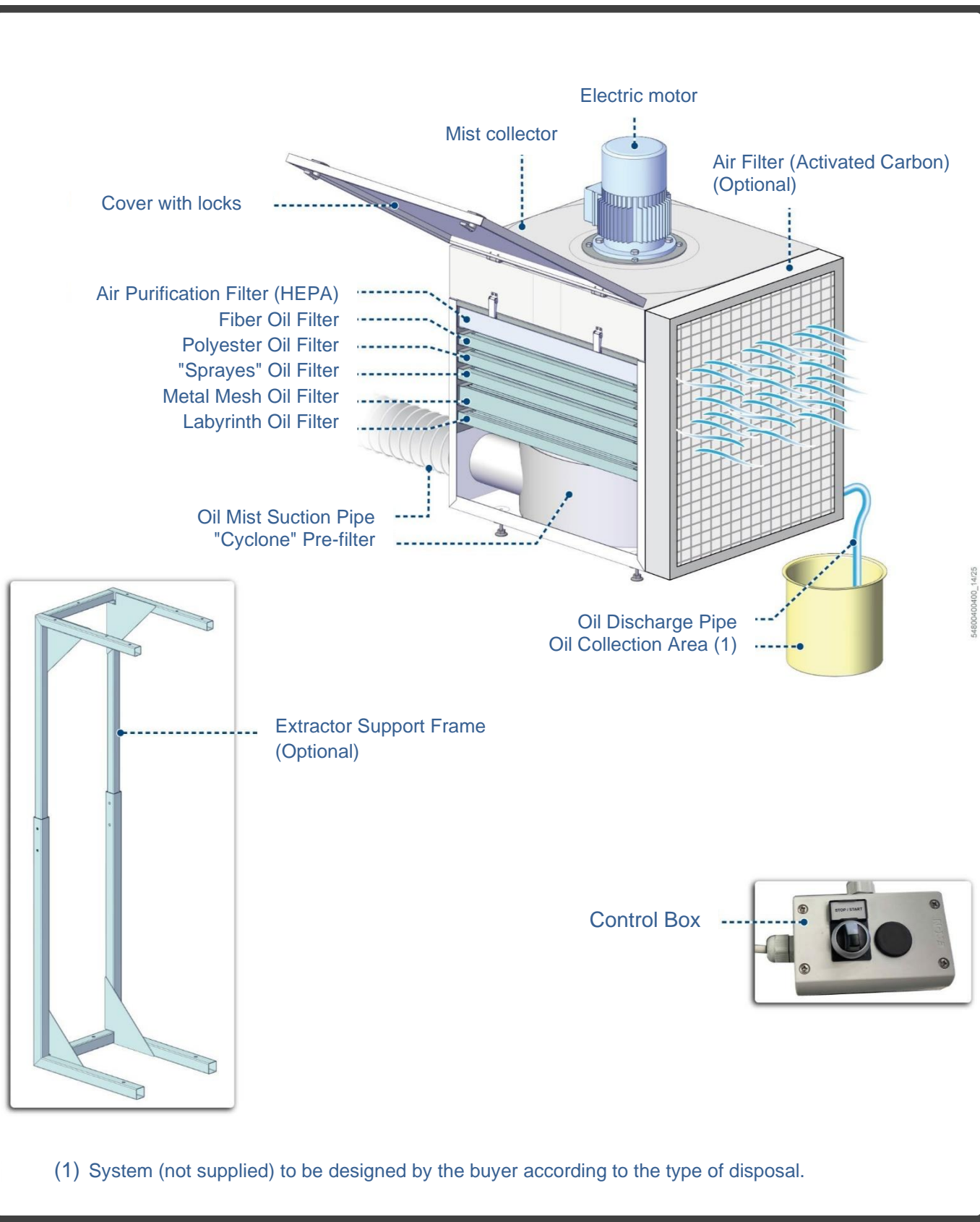
## Preparation of the Installation Area

- Before installation, implement a “safety plan” in accordance with current labor laws.
- The “safety plan” must take into account surrounding activities and perimeter spaces.
- Personnel assigned to the installation must wear the PPE required by regulations and labor laws.
- Mark the outline coordinates in the installation area.
- The area must be well-lit, well-ventilated, and sheltered from the elements.  
This precaution is necessary to prevent deterioration and to achieve maximum performance.
- The installation area **MUST** be free from the risk of explosion and/or fire.
- Remove any obstructive components from the area and clean it thoroughly.
- Mark the perimeter of the installation zone to prevent access by unauthorized personnel.
- Remove components and equipment used for handling and transportation.
- The supervisor must verify that all tasks have been correctly performed at the end of the installation.



## Mist Collector in full configuration

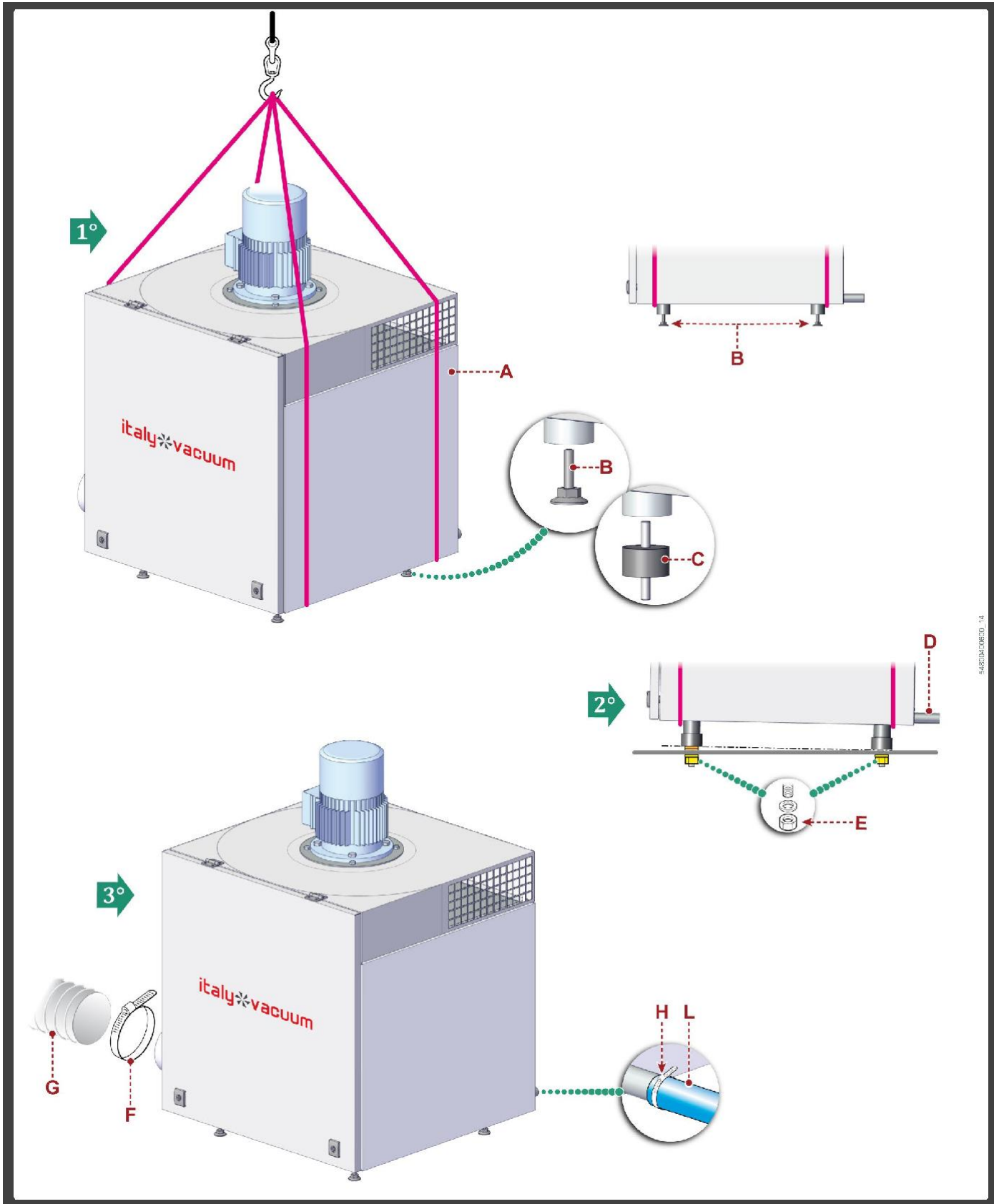
The illustration shows the collector with all components installed.



## Installation on Machine Tool

This task is reserved for installers with appropriate skills and expertise.

The required qualifications are essential to ensure proper operation and safety conditions.



**The installer must wear the PPE required by regulations and labor laws.**

1. Ensure adequate safety conditions for working in high or hard-to-access areas.
2. Determine the installation position on the machine tool.

**3.** Lift the extractor **A**.



**Important**

**Use a lifting device with a hook positioned as shown in the figure.**

**The lifting ropes must pass outside the feet B.**

4. Remove the support feet **B**.
5. Install the anti-vibration mounts **C**.
- 26.** Mark the coordinates for drilling the mounting holes on the machine tool.
7. Drill at the marked points.
8. Position the extractor in alignment with the drilled holes.



**Caution - Warning**

**Use washers/spacers to create a slight incline toward the discharge D to prevent oil accumulation.**

9. Remove the lifting ropes.
10. Insert and tighten the fastening elements **E**.



**Important**

**The fastening elements are NOT provided.**

- 311.** Install the F tube (oil mist suction) and secure it with clamp **G**.
12. Install the H oil discharge tube and secure it with clamp **L**.
13. Remove the devices used to access the work area.
14. Check that no tools or other materials are left in risk zones.



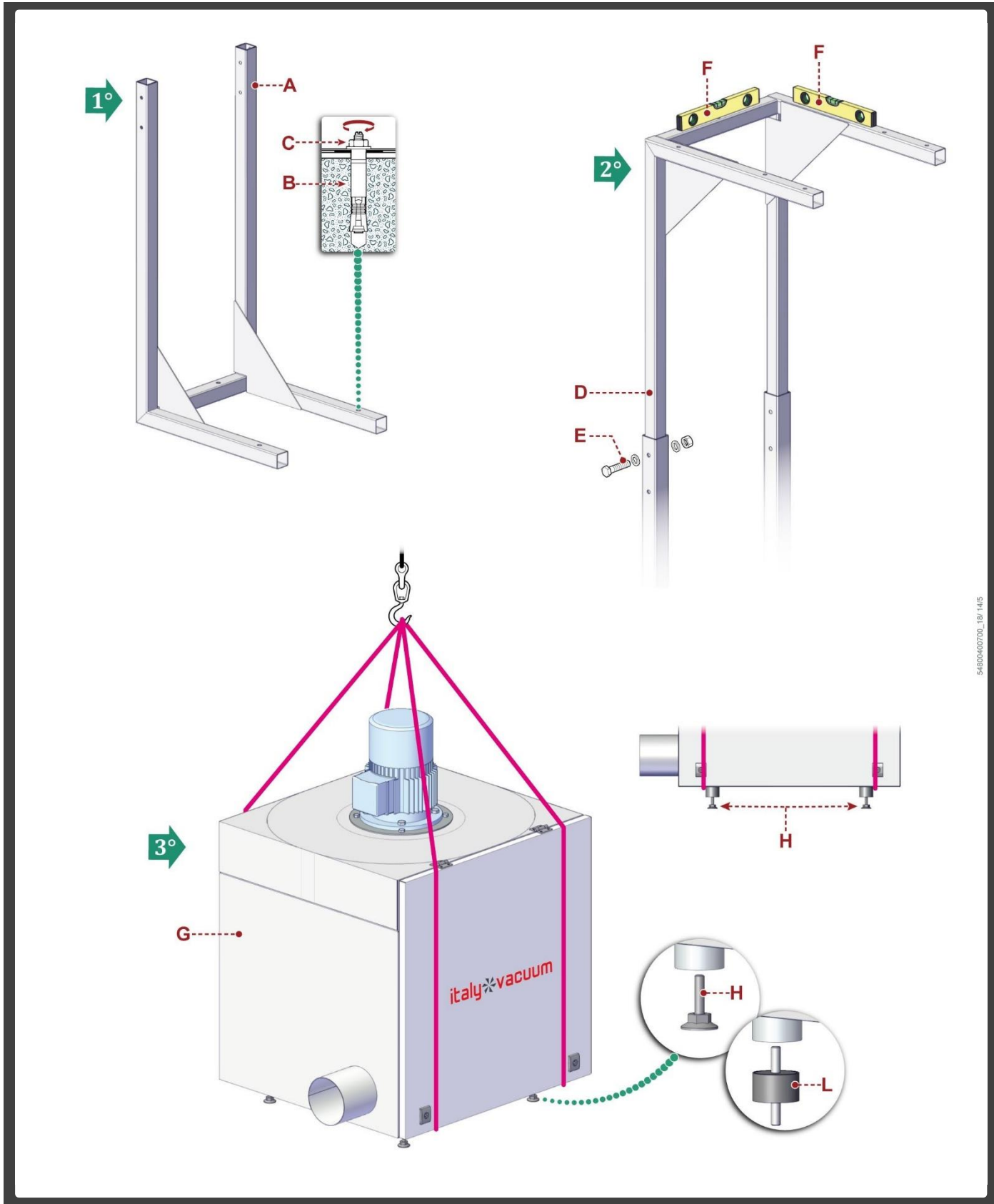
**Important**

**After one week of operation, check that the fastening remains intact.**

## Installation on Vacuum Cleaner Support Stand

This task is reserved for installers with appropriate skills and expertise.

The required qualifications are essential for proper and safe operation.



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**The installer must wear the PPE required by regulations and labor laws.**

1. Ensure adequate safety conditions for working in high or hard-to-access areas.
2. Determine the installation position.
3. Position component **A** in the installation area.
4. Mark the points for floor mounting holes.
5. Move the component out of the way.
6. Drill the floor at the marked points.
7. Insert the **B** anchors to secure the component to the floor.

**Important**

**The fastening anchors are NOT provided.**



8. Position component **A** in alignment with the **B** anchors.
9. Tighten the **C** nuts on the **B** anchors.

210. Install the **D** support and secure it with **E** screws.
11. Check the leveling **F**.

**Note: If the leveling is incorrect, use shims on certain support points.**

312. Lift the extractor **G**.

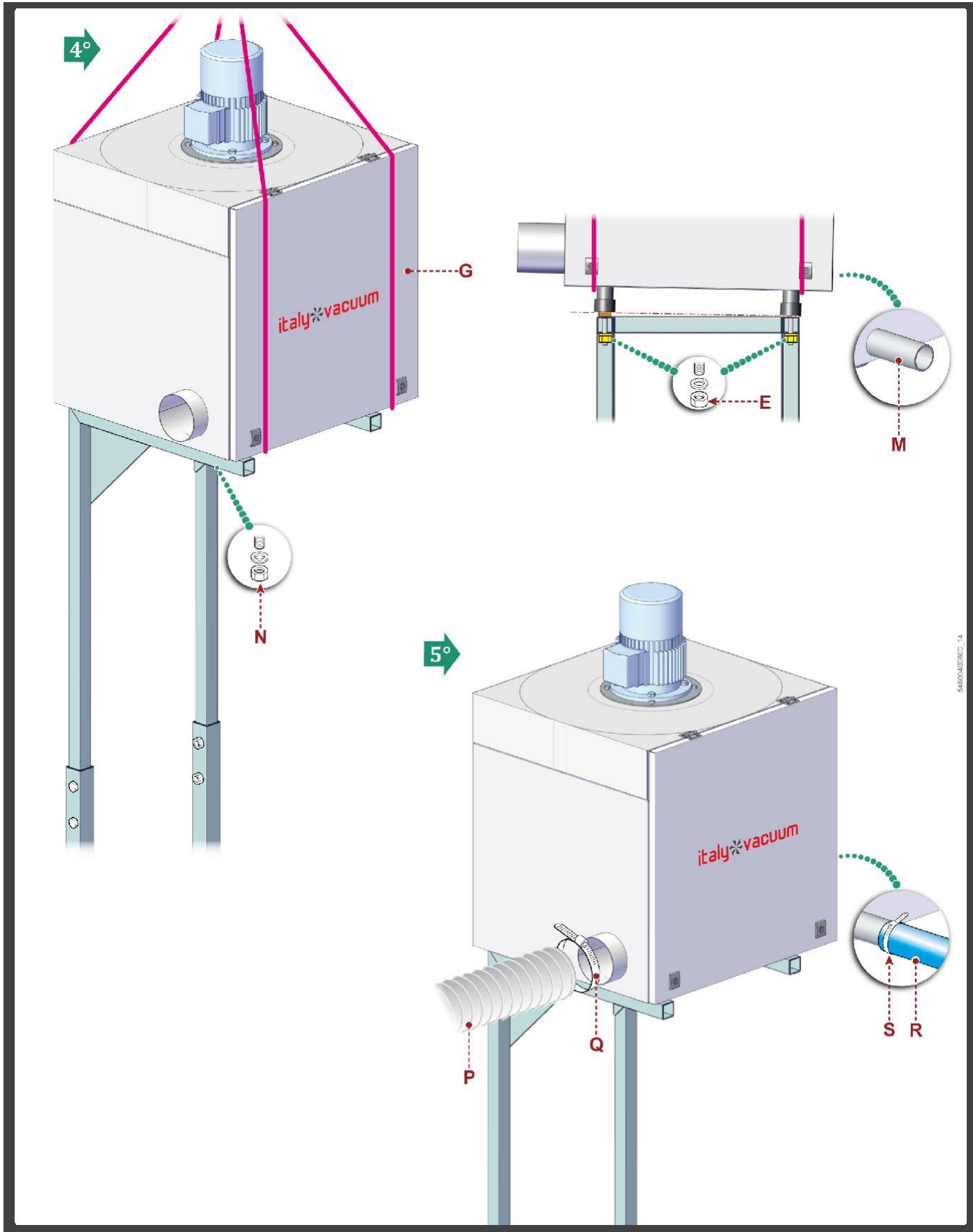


**Important**

**Use a lifting device with a hook positioned as shown in the figure.**

**The lifting ropes must pass outside the H feet.**

13. Remove the **H** support feet.
14. Install the **L** anti-vibration mounts.



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415. Position the extractor **G** in the installation area.



**Caution – Warning**

**Use washers/spacers to create a slight incline toward the discharge **M** to prevent oil accumulation.**

16. Remove the lifting ropes.

17. Insert and tighten the **N** fastening elements.



**Important**

**The fastening elements are NOT provided.**

518. Install the **P** tube (oil mist suction) and secure it with clamp **Q**.

19. Install the **R** oil discharge tube and secure it with clamp **S**.

20. Remove the devices used to access the work area.

21. Check that no tools or other materials are left in risk zones.



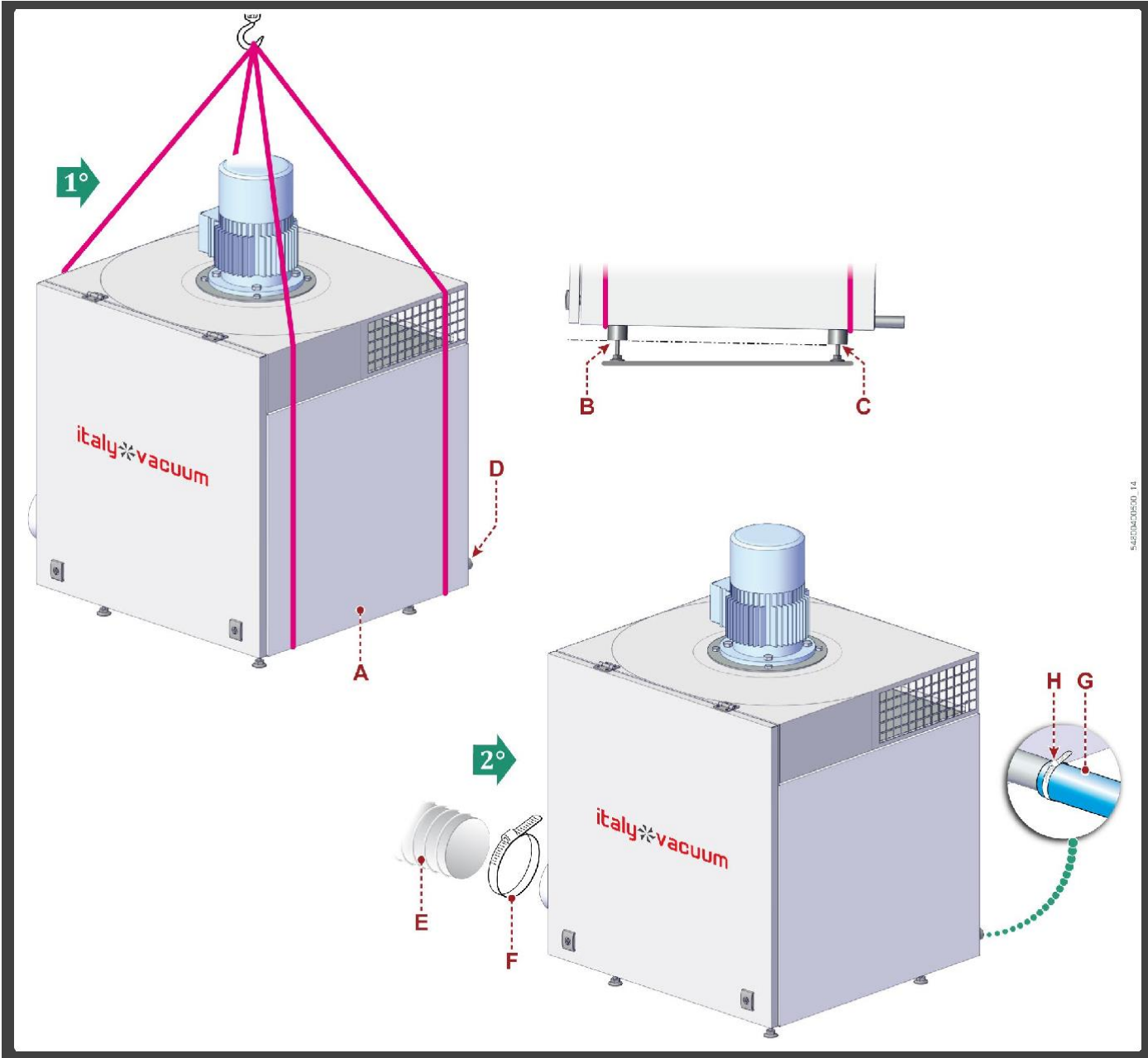
**Important**

**After one week of operation, check that the fastening remains intact.**

## Floor Installation

This task is reserved for installers with appropriate skills and expertise.

The required qualifications are essential to ensure proper operation and safety conditions.



The installer must wear the PPE required by workplace regulations and laws.

1. Define the installation position.
2. Lift the extractor A and place it in the installation area.
  - Important**  
Use a lifting device with a hook positioned as shown in the figure.  
The lifting ropes must pass outside the feet B-C.
3. Adjust the support feet B to create a slight incline toward the discharge D to prevent oil accumulation.

Remove the lifting ropes.

25. Install the E tube (oil mist suction) and secure it with clamp F.
6. Install the G oil discharge tube and secure it with clamp H.
7. Check that no tools or other materials are left in risk zones.

**Important**  
After one week of operation, check that the fastening remains intact.



## Installation of the control box

1. Install the control box **A** in an easily accessible area.
2. Ensure that the electrical supply complies with the data on the identification label.
3. Connect the plug to the power outlet.



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## Testing

- Conduct the testing and properly document all the checks and inspections performed.
- Testing is necessary to verify compliance with the agreed-upon specifications.
- Operators must be properly trained for production activities.

Instructions for the  
**USER**

## Purpose of the instructions

The instructions are intended for the user authorized for operation and maintenance.

- The purpose is to prevent and minimize risks during interaction.
- The instructions are provided by the manufacturer in the ENGLISH language.
- Any alterations must be communicated to the manufacturer.
- Each translation must include the statement: "TRANSLATED FROM ORIGINAL LANGUAGE".

- Conservare le istruzioni in un luogo noto per poterle consultare quando necessario.
- Il costruttore può apportare modifiche alle istruzioni senza comunicarlo preventivamente. Le modifiche apportate alle istruzioni NON devono alterare il livello di sicurezza.
- I destinatari possono segnalare eventuali migliorie per ottimizzare il servizio post-vendita.
- NON modificare il contenuto delle istruzioni senza espressa autorizzazione del costruttore.

## Manufacturer Identification and Safety Signals

**Warning signals and information**

**WEEE Symbol**

**CE Compliance Marking**

**Model**

**Manufacturer identification**

**Serial number**

**Power Supply**

**Installed Electric Power**

**Total Mass**

**Manufacturing year**

**Filtration grade**

**Read the "Instructions for Use"**

**TECNOMIST**  
ASSIEME: ASPIRATORE INDUSTRIALE A VENTOLA

**italy\*vacuum**

**ITALYVACUUM SRL**  
Strada della Fabbrina, 6/E  
61122 - Pesaro (PU)  
Italia

**S/N:** \_\_\_\_\_

**Tensione:** \_\_\_\_\_

**Potenza Motore:** \_\_\_\_\_

**Massa:** \_\_\_\_\_

**ANNO DI COSTRUZIONE:** \_\_\_\_\_

## Warranty Conditions

### Warranty Terms

- The warranty period is 12 (twelve) months from the date of shipment of the goods.
- Repairs can be carried out at service centers or directly by the manufacturer.
- To request warranty service, a written request must be submitted to the dealer

/manufacturer, including the machine's details (see "Manufacturer Identification and Safety Signals") a copy of the machine's purchase invoice, and a detailed description of the defect encountered.

- To facilitate assistance and speed up the restoration process, it is recommended to document everything with videos and photographs
- Components subject to wear, such as filters and gaskets, are excluded from the warranty.

Warranty is also not recognized for damages caused by:

- Failure to comply with the instructions provided in this manual
- Incorrect electrical installation
- Non-compliance with the regulations in force in the country of use
- Improper use of the machine
- Use of non-original consumables, such as filters or collection bags
- Unauthorized replacement of machine parts
- Tampering
- Negligence
- Poor, missing, or incorrect maintenance activities
- Transportation and/or handling with reckless or incorrect maneuvers

In the cases described above, the warranty becomes void, and in the event of damage to persons or property, the manufacturer will be relieved of all civil and criminal liability.

- The warranty does not include shipping costs for either the faulty material or the repaired material. These costs, unless otherwise agreed in writing between the parties, are the responsibility of the customer.
- Any intervention, along with the related travel and accommodation expenses, by one of our representatives will be billed based on the rates in effect.
- During the warranty period, only the manufacturer has the authority to decide, at their sole discretion, whether to repair or replace, in whole or in part, the components of the machine deemed defective.

### **Limitation of Liability and Competent Court**

The warranty is granted solely concerning the product purchased from Italyvacuum Srl and will under no circumstances be provided for amounts exceeding the purchase price of the product.

- Any legal actions taken against the manufacturer will have as the competent court the Tribunal of Pesaro (PU/Italy), with Italian as the official language.

### **Attached documentation**

**Along with the instructions for use, the manufacturer provides the listed documentation.**

- CE Declaration of Conformity

### **Safety warnings**

- Carefully read all the instructions, including those directly affixed to the vacuum cleaner.
- Take some time to read thoroughly to avoid risks to personal safety and economic damages.

### **Claim for Damages Caused During Transport**

#### **Visible damages**

- If, at the time of receiving the goods, there are visible damages from the outside and/or missing quantities, the purchaser is obligated to immediately note the damage on the waybill that the courier requests to be signed upon delivery.
- Only in this way will it be possible to obtain compensation or reimbursement from the carrier under the CMR.
- It is therefore essential to instruct the personnel responsible for receiving goods about this procedure.
- In extreme cases, it is also possible to refuse acceptance of the damaged goods by stating the reason on the waybill and documenting everything with video and photos.
- Goods should always be **ACCEPTED WITH RESERVATION** because sometimes there are no visible external damages, but internal damages may exist.

#### **Damages detected after delivery**

- In the case of damages not detectable from the outside, similar notifications by the purchaser must be made within a maximum of 48 hours to fall within the warranty terms.
- To unequivocally prove the damages, it is mandatory that the purchaser documents everything with photographic and/or video evidence.
- Any communications received after this deadline will exclude any right to reimbursement by the purchaser.

- Electrical system diagrams
- Specific instructions for installed components or commercial subassemblies

- Consult the "Instructions for Use" (particularly during first use) and ensure you understand the content.
- Pay attention to any **RESIDUAL RISKS** that may exist and avoid **IMPROPER U**

- Safety is irreplaceable and is also in the hands of those who interact with the vacuum cleaner throughout its intended lifespan.
- Sometimes accidents can result from "careless use".
- It's always too late to remember what should have been done when something has already happened.
- The manufacturer, during the design phase, has adhered to "good engineering practices".
- Perform operations ONLY according to the methods specified by the manufacturer in the "Instructions for Use".
- Keep safety and information signs legible and adhere to the provided instructions.
- Replace and reposition any signs that are no longer legible in their original location.

### **Obligations of the Safety Officer**

- The safety officer must train the user to operate independently and safely.
- The user must be trained to perform routine maintenance tasks.
- The user must be able to read and understand the "Instructions for Use".
- The user must be able to recognize safety and information signs.
- The user must demonstrate the competencies required to perform tasks safely.
- The user must demonstrate that they are fit to perform the assigned duties.
- The Safety Officer must provide educational materials to the trained personnel.
- Training must be documented so that it can be presented in case of disputes.

### **Safety Warnings for Use and Maintenance**

- The user must be informed about IMPROPER USE and any RESIDUAL RISKS that remain.
- The user must demonstrate that they are fit to perform the assigned duties.
- The user must be able to read and understand the "Instructions for Use".
- The user must be able to recognize safety and information signs.

- Wear the PPE indicated in the "Instructions for Use" and those required by labor laws.
- The control station and perimeter areas should be marked off according to the surrounding work activities.
- Perform scheduled maintenance to maintain maximum operational efficiency.
- Good maintenance will help maintain performance levels and extend the service life.
- Keep perimeter areas clean to minimize risks.
- Pay attention to any RESIDUAL RISKS that may exist and avoid IMPROPER USE.
- Activate all safety measures and eliminate residual energy before performing interventions.
- Ensure adequate safety conditions for working in high or hard-to-access areas.
- Perform operations ONLY according to the methods specified by the manufacturer in the "Instructions for Use".
- Carry out all interventions ONLY with suitable and well-maintained tools.
- Replace components ONLY with ORIGINAL SPARE PARTS or with parts that have the SAME design and functional characteristics.
- After completing interventions, restore safety conditions to eliminate any type of risk.
- Check that no tools or other materials are left in hazardous areas.
- Tools or other materials left near moving parts pose a risk.
- Dispose of hazardous materials in accordance with applicable environmental laws.
- Contact Customer Service if interventions not described in the "Instructions for Use" are necessary".
- EXTRAORDINARY MAINTENANCE should be carried out by authorized technicians with experience in the relevant field.
- **Failure to follow the instructions poses risks to personal safety and can result in economic damages.**

## General description

The "Tecnomist" vacuum cleaner is used to extract oil mist from machine tools.

- The collector separates liquid residues from the air.
- The purified air is released into the environment, and the collected oil is stored in a container.

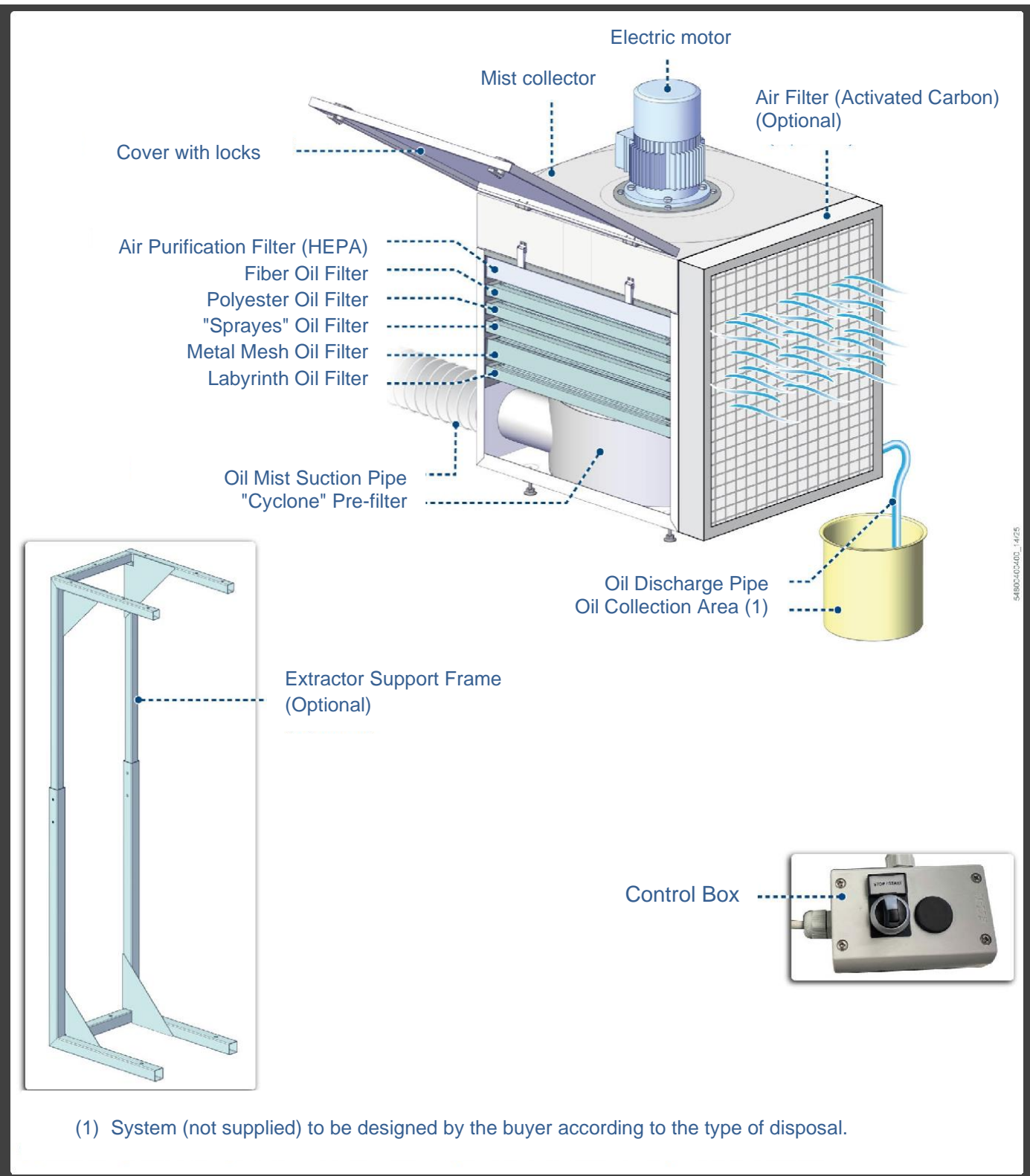
### **i Important**

**Dispose of materials in compliance with applicable laws and regulations.**

### **⚠ Caution - Warning**

**Do not vacuum chips or machining residues.**

- The illustration shows the main components.



## Improper Uses

Any use other than what is authorized is considered **IMPROPER USE**.



### Important

The vacuum cleaner **MUST NOT** be used under the following conditions.

- Suction of cigarette butts or any ignition source
- Suction of flammable material
- Suction of material that can generate explosions when in contact with air
- Suction of chips or machining residues
- Suction of flammable fumes, vapors, or liquids

- Suction of toxic or carcinogenic materials
- **Note:** These materials can only be vacuumed with the manufacturer's authorization.

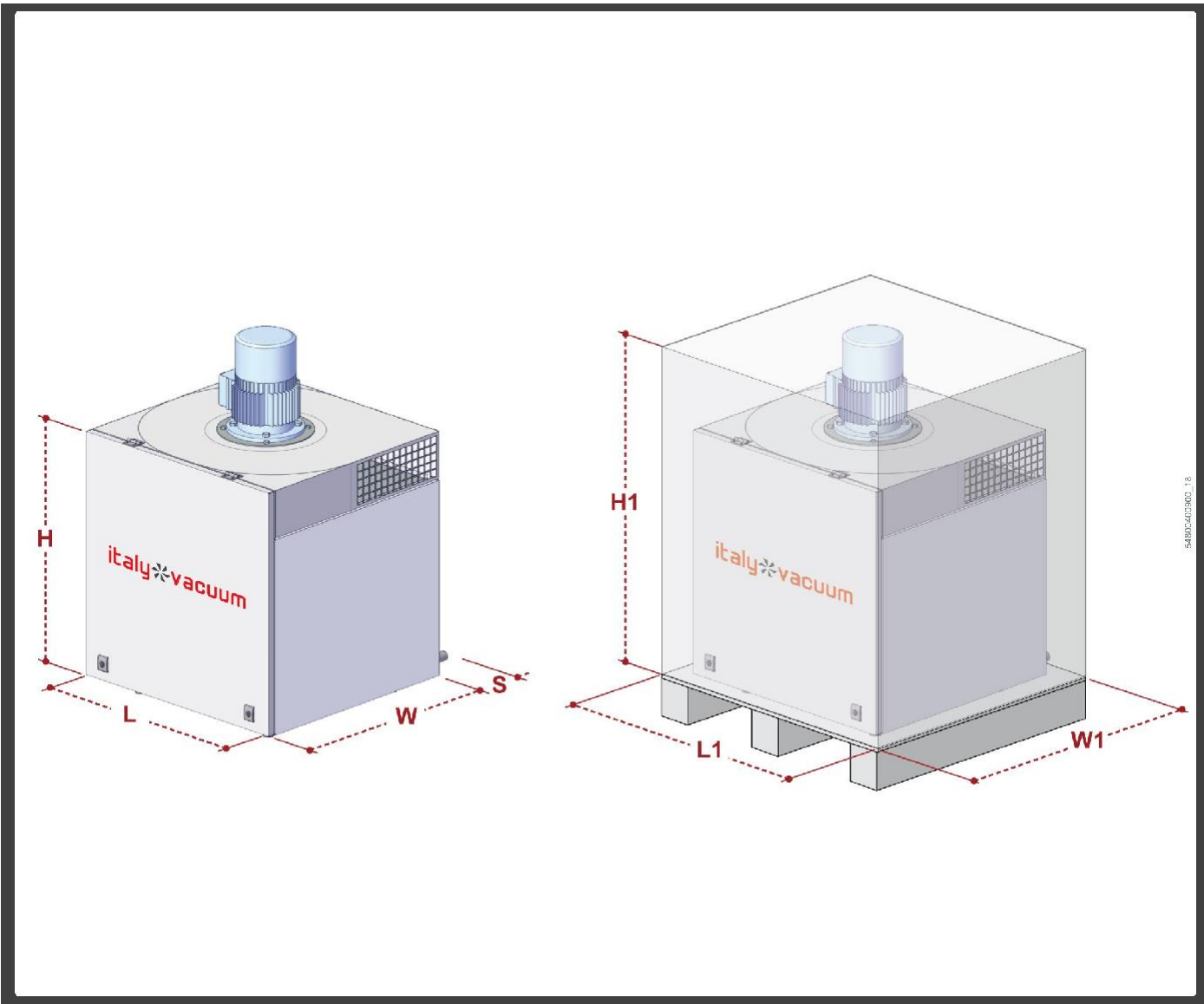


### Danger - Warning

**Magnesium must not be vacuumed under any circumstances.**

- Suction in environments saturated with gases or vapors of a chemical or toxic nature
- Suction in environments with contaminating agents (salt, acids, etc.)
- Suction in environments with radiation (ultraviolet, laser, X-rays, microwaves, or similar)

## Technical data



**Table:** Technical data

Description	Unit of measure	Value
<b>Electrical Supply</b>		
Installed Electric Power	kW (Hp)	0,55 (0,73) 1,1 (1,5) 2,2 (3)
Electric Current Voltage	V	400
Electric Current Frequency	Hz	50 - 60
Degree of Electrical Protection	-	IP 65
<b>Dimensions</b>		
Reference Dimensions ( <b>L x W x H</b> )	mm (in)	700x700x969 (27.5x27.5x38.1)
Oil Discharge Hose ( <b>S x Ø</b> )	mm (in)	65x25 (2.6x1)



Description	Unit of measure	Value
Weight	kg (lb)	42 (92.5)
<b>Packaging Dimensions</b>		
Reference Dimensions (L1 x W1 x H1)	mm (in)	800x800x1400 (31.5x31.5x55.1)
Weight	kg (lb)	44 (97)
<b>Air Filter Characteristics</b>		
Filtration Grade	-	Classe H
Percentage of Dust Filtered	%	99,95%
Particle Size	mm (in)	<0,1 (0.004)
<b>Environmental Conditions</b>		
Maximum Operating Altitude (a.s.l.)	m (ft)	1500 (4920)
Relative Humidity (measured at a temperature between 20°C and 40°C)	%	30% - 80%
Ambient Operating Temperature	°C (°F)	0° / +40° (+32° / +105°)
Ambient Brightness	LUX	150
Maximum Noise Level	dB	65

## Recommendations for Use and Operation

- Consult the "Instructions for Use" (especially during the first use) and ensure that you understand the content.
- Use the vacuum cleaner **ONLY** for the purposes and in the manner specified by the manufacturer.
- **DO NOT** continue working if anomalies are detected. Stop operation in safe conditions.
- Check weekly that the HEPA filter is in good condition.
- **ALWAYS** comply with the current workplace regulations.
- **Safety is irreplaceable and is also in the hands of those who interact with the machine throughout its intended lifespan.**

## Description of Controls

**A) Selector:** used to activate and deactivate operation.

- "STOP" position: air suction is deactivated.
- "START" position: air suction is activated.



## Scheduled Maintenance Intervals

**Perform scheduled maintenance to maintain maximum operational efficiency.**

- Good maintenance will help preserve performance levels and extend the service life.

- Maintenance is essential to maintain a consistent level of safety and to avoid unexpected risks.
- In case of prolonged inactivity, carefully check that the operational functionalities remain unchanged.

**Table:** Maintenance intervals

Every 40 hours of operation (max 1 week)		
Component	Intervention to perform	Procedures to implement
Air Purification Filter (HEPA)	Visual Inspection	- Check that the filter is in good condition and does not show signs of abrasion or damage.
Oil Discharge Hose	Inspection	- Check that the hose is not obstructed and that there are no kinks.

Every 200 hours of operation (max 1 month)		
Component	Intervention to perform	Procedures to implement
Air Purification Filter (HEPA)	Visual and Tactile Inspection	- Check that the filter is in good condition and does not show signs of abrasion or damage.

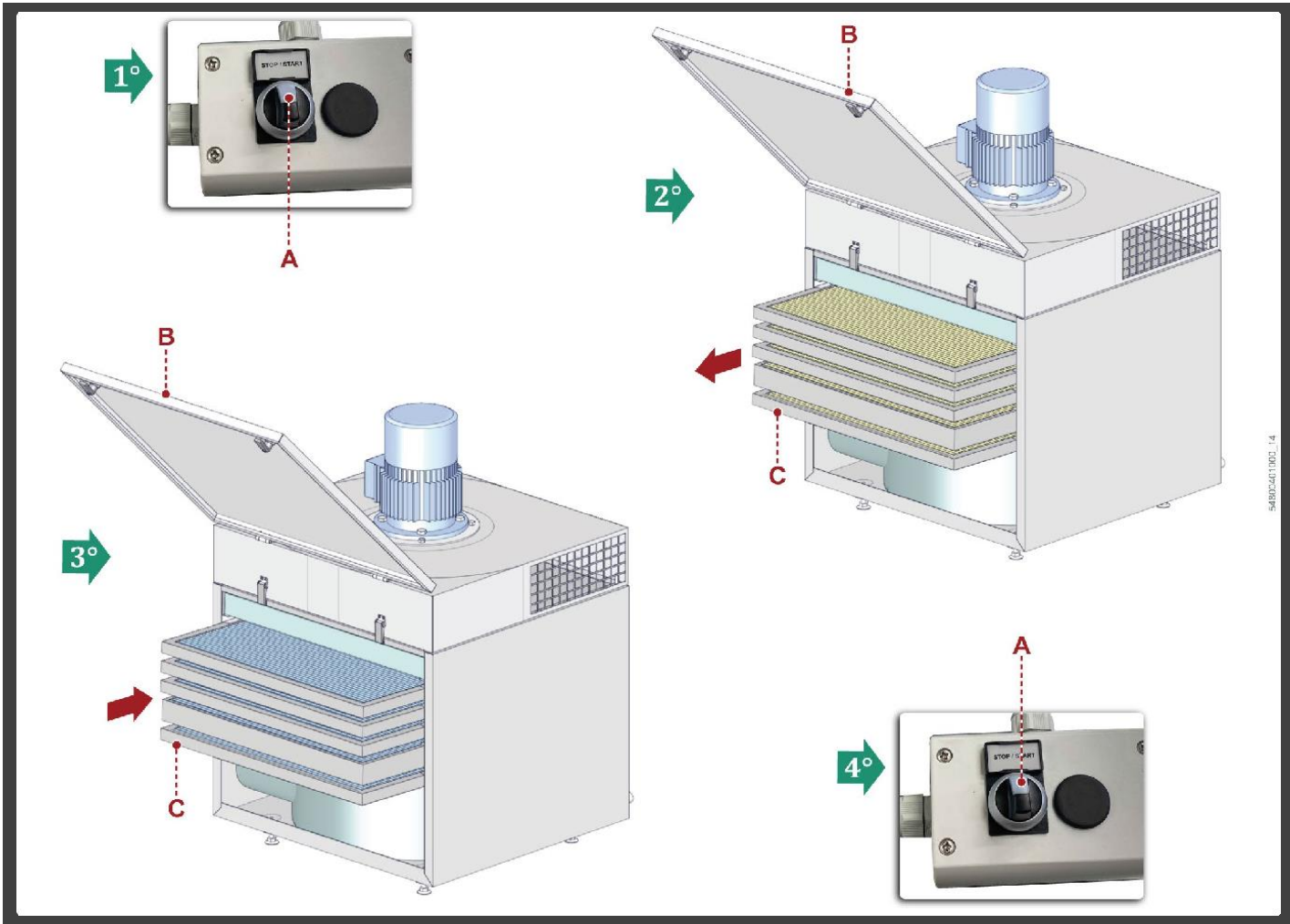
Every 600 hours of operation (max 3 months)		
Component	Intervention to perform	Procedures to implement
Air Purification Filter (HEPA)	Replacement (1)	- Replace the filter with a new one (See “Replacement of Air Filter (HEPA)”)
Oil filter	Cleaning	- Clean the filters with low-pressure compressed air or wash with specific detergents (See “Cleaning Oil Filters”)

(1) In cases of heavy workloads, perform the replacement more frequently.

## Cleaning of oil filters

This intervention should be performed as indicated in the schedule maintenance table.

This task is reserved for the maintenance technician or personnel with appropriate skills.



1. Ensure adequate safety conditions for working in high or hard-to-access areas.
  2. Wear the PPE appropriate for the type of intervention to be performed.
  3. Turn selector **A** to the "STOP" position.
  4. Open the locking hooks **B**.
  5. Remove the oil filters **C** one by one.
  6. Clean each filter with low-pressure compressed air (maximum 2 bar).
  - The filters can be washed with specific detergents.
- Note:** In case of any anomalies, replace the damaged filter with a new one.

7. Install the oil filters **C** one by one.
8. Check that no tools or other materials remain in hazardous areas.
9. Close door **B**.
10. Remove the devices used to access the intervention area.
11. Turn the selector **A** to "START" position.



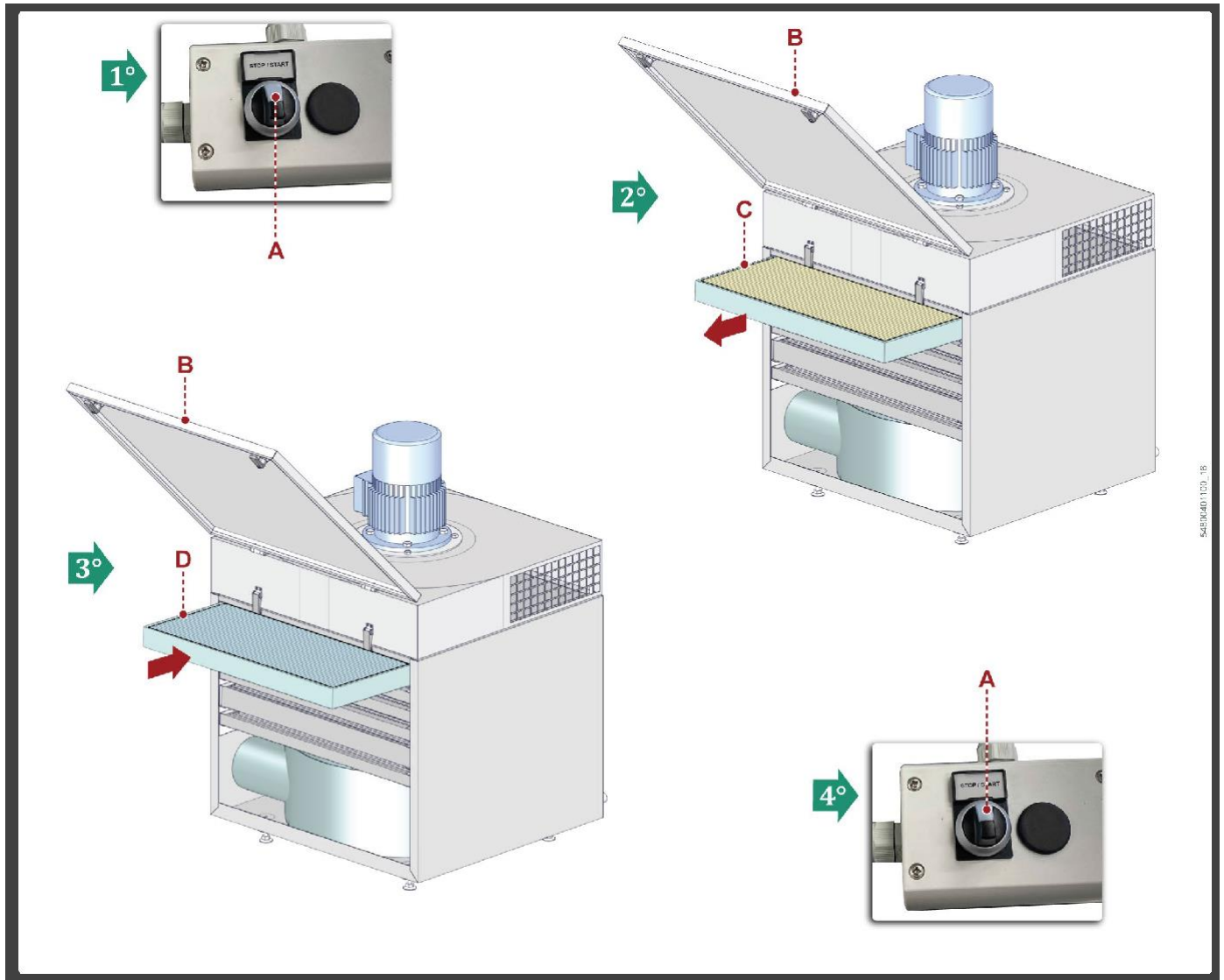
### Important

Replace components **ONLY** with **ORIGINAL SPARE PARTS**.  
Dispose of materials in accordance with current legal regulations.

## Replacement of Air Filter (HEPA)

This intervention should be performed as indicated in the scheduled maintenance table.

This task is reserved for the maintenance technician or personnel with appropriate skills and expertise.



1. Ensure adequate safety conditions for working in high or hard-to-reach areas.
2. Wear appropriate PPE (Personal Protective Equipment) based on the type of intervention to be carried out.
3. Turn selector **A** to the '**STOP**' position.
4. Open the door **B**.
5. Remove filter **C**.
6. Install the new filter **D**.
7. Check that no tools or other materials remain in hazardous areas.
8. Close the door **B**.
9. Remove the devices used to access the intervention area.
10. Turn selector **A** to the '**START**' position.



### Important

Replace components **ONLY** with **ORIGINAL SPARE PARTS**.  
Dispose of materials in accordance with current legal regulations.

## Operating Anomalies

The table lists the anomalies that may occur during normal operation and suggests possible remedies.

**Table:** Operating Anomalies

Issue	Cause	Remedy/Solution
The vacuum cleaner does not turn on	Electrical supply is off	- Turn on the electrical supply.
		- Check the plug connection.
		- Turn the selector to the " <b>START</b> " position.
With the selector in the "START" position, the operation does not start.	Short circuit in the electric motor causing the circuit breaker to trip	- Identify the causes of the anomaly.
Reduced air flow	Air passage tubes clogged or dirty	- Clean the air passage tubes.
	Clogged oil filters	- Clean the filters (See "Cleaning Oil Filters").
Metallic noise inside the filter unit.	Presence of large chips	- Remove the air purification filter (HEPA) and remove the chips.
Oil does not discharge from the hose	Hose is clogged or dirty	- Clean the hose.

## Decommissioning and Disposal

### **Decommissioning**

- Disconnect the power supplies (electrical, pneumatic, etc.) to prevent restart.
- Properly empty systems containing harmful substances, in compliance with workplace safety and environmental protection laws.
- Store the vacuum cleaner in a location that is not easily accessible to unauthorized persons.

- Identify the presence of residual risks and take all necessary measures to operate safely.
- Dispose of materials, polluting liquids, and residues generated during interventions in accordance with applicable laws.
- Properly dispose of Waste Electrical and Electronic Equipment at authorized collection centers to avoid harmful effects.

### **Disposal**

- Disposal should be entrusted to authorized centers with personnel who have the experience and appropriate equipment to operate safely.



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**INDUSTRIAL VACUUM CLEANERS**

**Italyvacuum srl** – single-member company

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