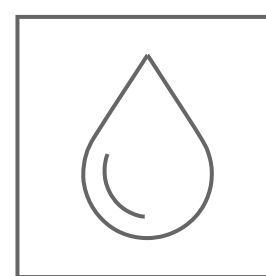


EN



INDUSTRIAL VACUUM CLEANERS



Catalogue
Oil & Mist

italy*vacuum
GROUP



Technology, innovation at the highest level, and **good Italian design** as easily understood from the company name are the constitutional elements of the company's DNA.

Strengthened by the long and profound experience of its staff in the specific sector, the company produces **"customer-oriented" vacuum cleaners** that can adapt with flexibility to various needs.

It is placed on the world market as one of the few companies that can boast a series of products that make use of both **centrifugal fans** and powerful **side channel turbines**, thus, offering a very wide range of 360° product line, adaptable to any application sector, and usable in any work environment.



The corporate philosophy that animates Italyvacuum, does not accept downward compromises and adopts construction and design systems that are absolutely avant-garde in the sector; the result of precise mathematical calculations which together with the experience of its staff have guided the company towards precise purely technical choices such as:

- **Human-Machine-Interface with advanced “touch screen” technology** for optimizing and simplifying all the functions of the vacuum cleaner;
- **Dedicated software and advanced digital sensor system** for reading and signaling to the operator of the level of contamination of the filters;

Total remote supervision of production in real time



PATENTED



TCS - Touch Control Station

Human Machine Interface

The powerful software station called **TCS** which manages the sophisticated electronics of which Italyvacuum vacuum cleaners are equipped, allows **remote management in "real time" of all the vacuum cleaners present** in a company.

Through this technology, it is possible to optimize their performance, carry out preventive maintenance if necessary and interface with the various management software already present in order to avoid any possible interruption of the production cycle.

Extremely intuitive and easily usable by anyone thanks to its icons, appears to be perfectly in line with all the mandatory requirements from the **industry 5.0 plan: interconnection and automation of production processes.**

Oil & Mist Division



Total elimination of oil mists coming from saws and CNC cutting centers

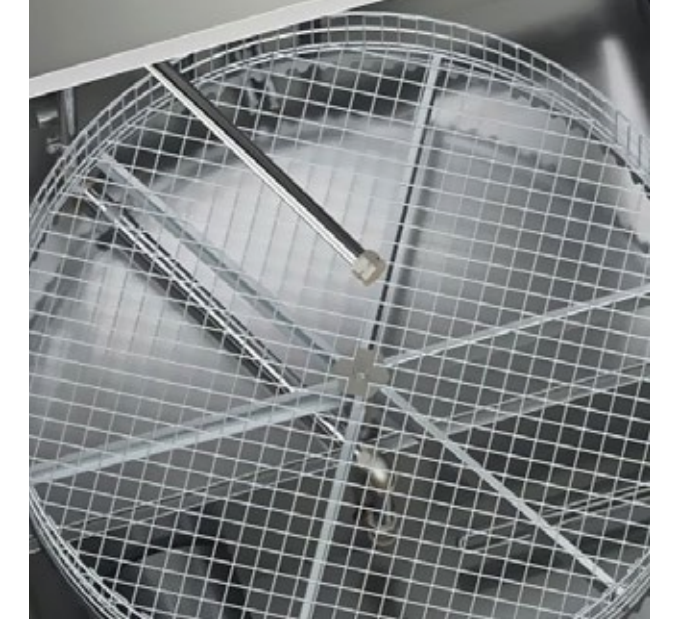
The innovative Italyvacuum oil mist collectors are born from the need to eliminate oil mists, vapors, and fumes that come from the most varied processes in order **to make the work environment healthier**, while contributing to the **protection of the environment**.

Thanks to the many innovations in its interior, the product enjoys **European patent**. It is available in 6 different models and in all voltages and frequencies of the world market.

The whole range is also available in stainless steel for harmful vapors, corrosive mists or hazardous environments (Atex).



Oil & Mist Division



Main applications:

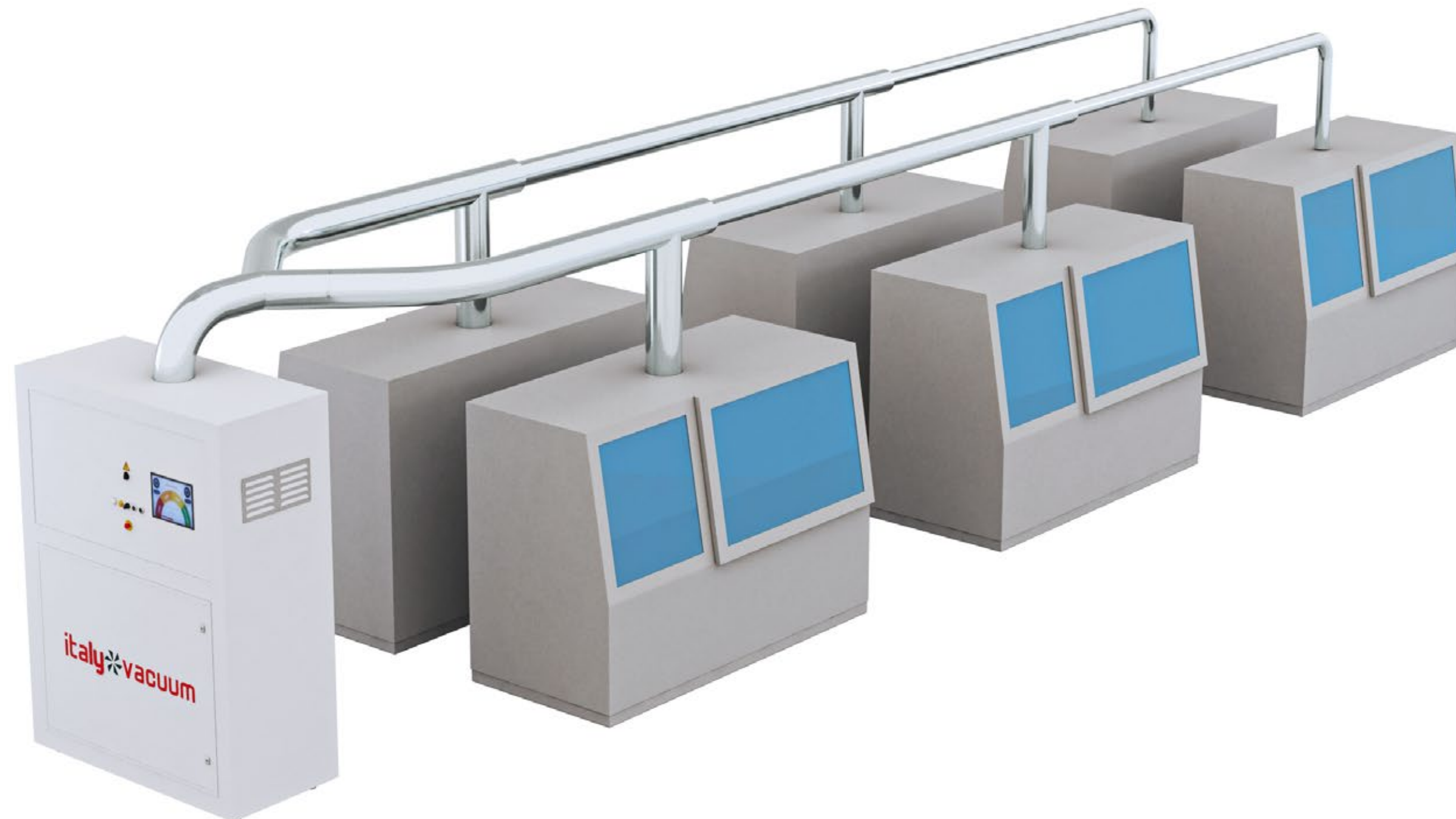
EDM
Milling
Cutting
Turning
Parts washing
Grinding
Finishing



CENTRALIZED SYSTEMS

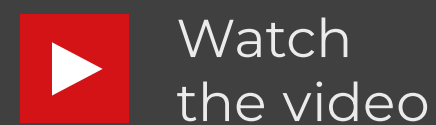
They are the systems with the highest technological content, where Italyvacuum technicians can express all its potential, and in which it contains the best of its innovations which is **the result of years of research** and the experiences lived over time in the various companies around the world.

All of the functions can be managed in the traditional way or through powerful centralized platform **TCS** “Touch control station” - **Smart industry 5.0**.



MASTER MIST

PATENTED



- A vacuum cleaner that is compatible for whatever type of oil mist
- A unique and revolutionary **conical filtration system** that allows the capture and complete recycling of the retained oil
- **Increased filtering surface** with consequent reduction of maintenance costs
- No type of pre-assembly to be performed on the filter unit
- General costs (electricity consumption + maintenance + spare parts + management time) incomparable with other types of similar filters

GENERAL INFORMATION

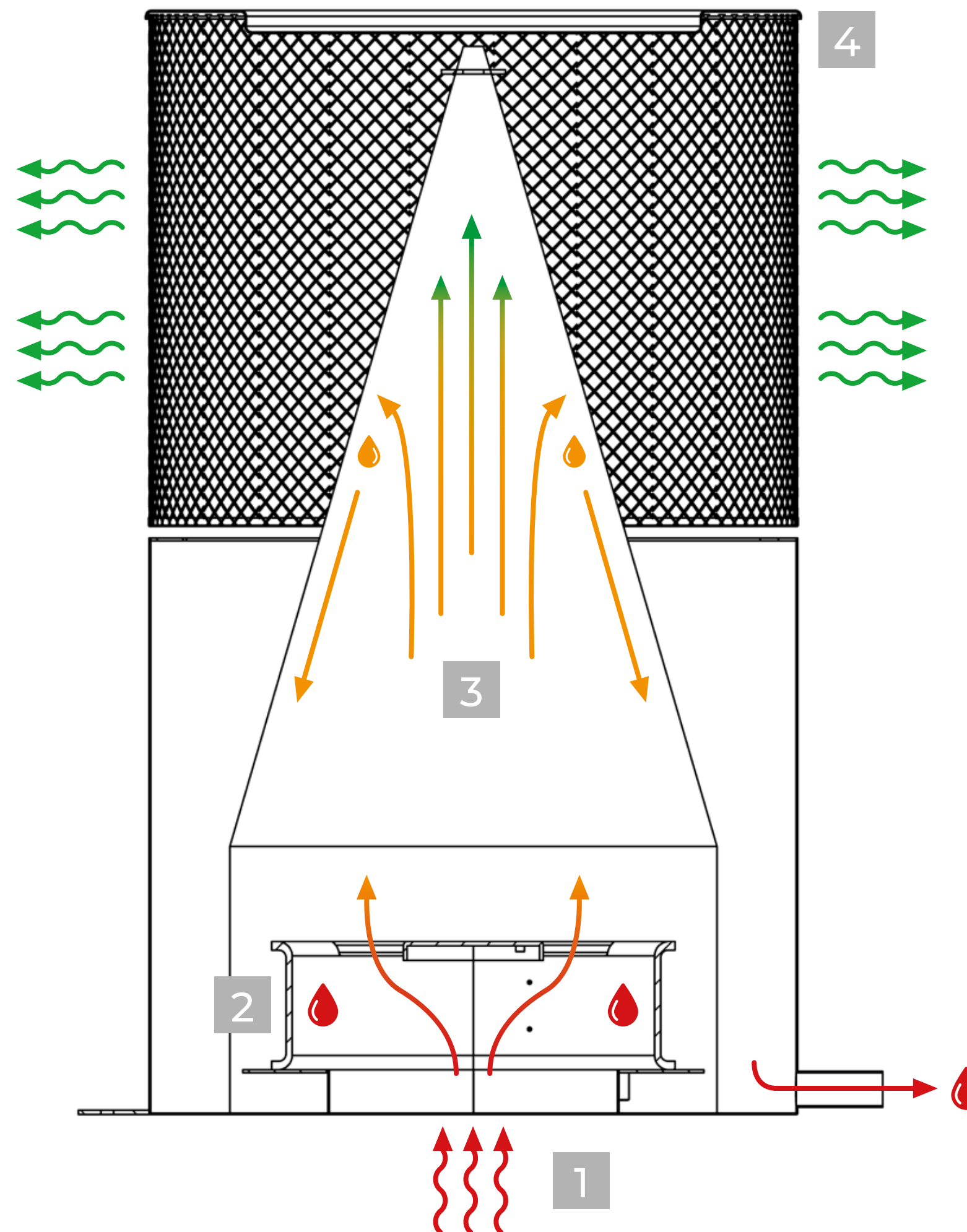
Volume of filtered air	maximum 1500m ³ (882 cfm)
Filtering group	3 stages + Hepa
Air inlet [Ø]	120mm - 4.72"
Certifications available	C.E. / UL-CSA / cURus

* Model available in all global voltages and frequencies

MASTER MIST



Watch
the video



Principle of operation

5 different filtration stages

- 1 The air enters the MASTERMIST where a first line metal grid filters any debris that are suctioned in during operation;
- 2 The blades of the powerful propeller creates coalescence effect by grouping together the micro drops of oil and drastically reduce their passage to the next stage;
- 3 A special conical-shaped multilayer net filter forces the micro-droplets of oil to hit against its mesh and descend along the oblique walls down to the collection base;
- 4 An additional conical-shaped polyester fiber filter with even finer mesh eliminates the last remaining microdroplets in order to extend the life of the Hepa filter;
- 5 A very fine H13 or H14 HEPA filter is set as the final stage to filter at 99.95% of the residual air.

AERIAL SUPPORT

Based on the conformation and type of machine where our vacuum cleaners will be applied, **support elements** are available specifically designed for the **different types of application**.

In order to optimize their efficiency, simplify installation and make any other monitoring operation easier, the supports **can be both fixed and mobile**.



TECNOMIST

Watch the video

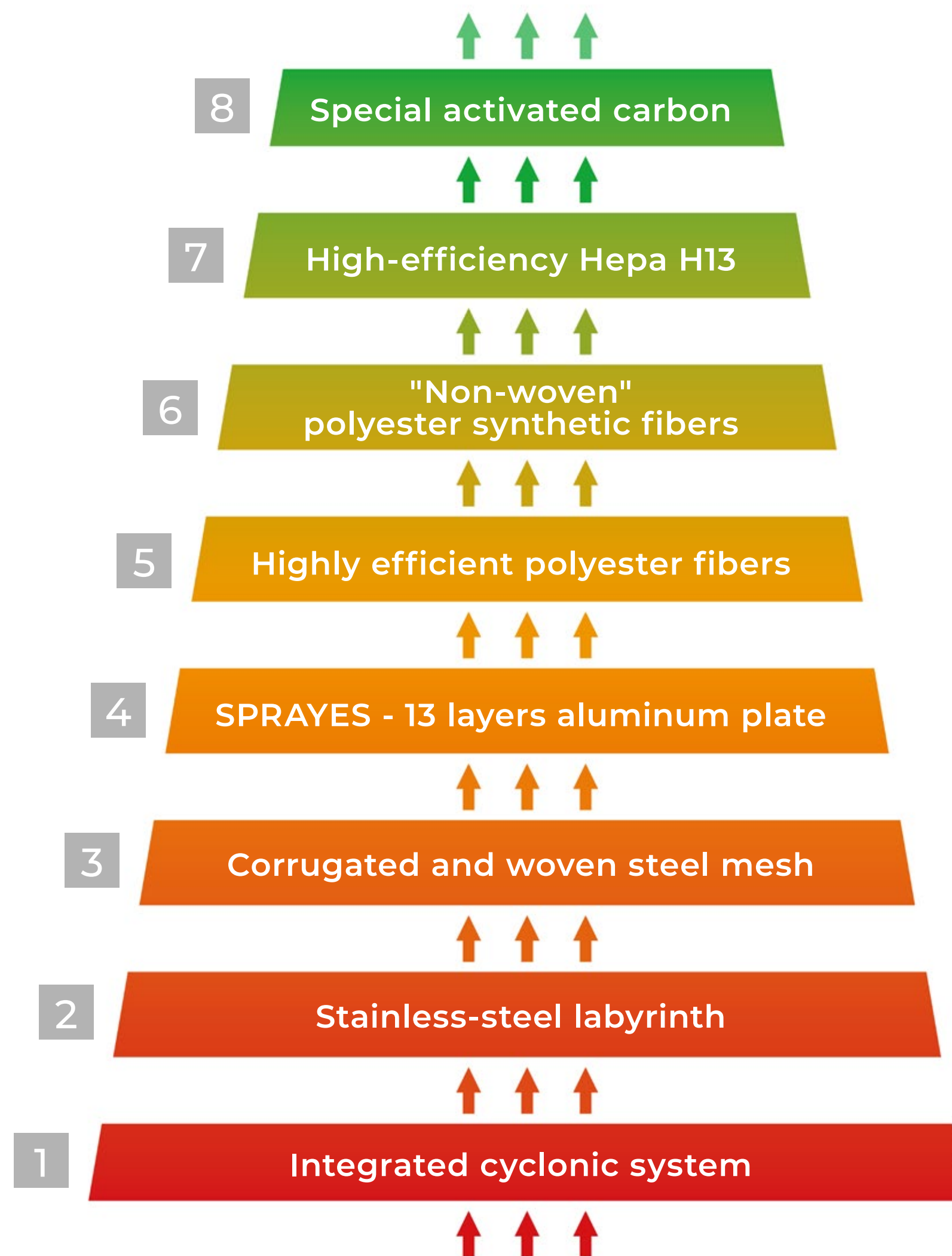
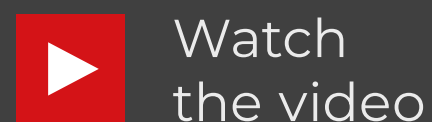


- The only collector oil mists collector that can include **up to 8 filtering stages**
- **Powerful integrated cyclonic system** capable of eliminating up to 95% of oil mists before the airflow reaches subsequent filters
- **Standard Hepa H13 filter on all models** to achieve 99.95% elimination of contaminating particles
- Collector is compatible with all types of emulsified or whole cutting fluids
- Filters also adaptable for smoke or fumes

GENERAL INFORMATION

Volume of filtered air	from 500m ³ to 3300m ³ (300 cfm to 2000 cfm)
Power	1,1 kW (1,75hp) / 1,5 kW (2hp) / 2,2 kW (3hp)
Air inlet [Ø]	120mm - 4.72"
Certifications available	C.E. / UL-CSA / cURus

* Model available in all global voltages and frequencies



Filtration Group:

- Stage 1** Powerful integrated cyclone capable of eliminating 95% of particles;
- Stage 2** Washable stainless steel labyrinth filters to protect subsequent filters;
- Stage 3** Washable metal mesh filter capable of trapping any metallic residues;
- Stage 4** SPRAYES 13-layer washable aluminum filter that protects against flows of airborne substances containing grease;
- Stage 5** Washable filter made of Polyester fibers with excellent drainage qualities;
- Stage 6** Washable Polyester filter with thermally bonded fibers;
- Stage 7** Hepa H13 filter for the elimination of micro particles at 99.95%;

Optional:

- Stage 8** Activated carbon filter for the elimination of unpleasant odors.

VORTEX OIL



Vortex Oil is one of the **largest wheeled models** in the oil division on the international market.

Among its main features are its **high performance in terms of suction power**, and especially the **enormous capacity of its removable container**, where the chips and liquid suctioned in by its powerful turbine are collected.

GENERAL INFORMATION	
Motors available	from 2.2kW (3hp) to 12.5kW (17hp) - Turbine
N° inlet [Ø]	N°2 [100mm - 3.94"]
Container capacity	175 Lt (46gal)
Certifications available	C.E. / UL-CSA / cURus

** Model available also in **ATEX version** and in **all global voltages and frequencies***

UNIVERSAL
OIL



One of the best-selling models in the oil and mist division on the international market, thanks to its **high performance in terms of suction capacity** compared to its **small overall dimensions**.

The **standard integrated cyclonic system** on all models of the house is extremely interesting .

GENERAL INFORMATION

Motors available	from 2.2kW (3hp) to 12.5kW (17hp) - Turbine
N° inlet [Ø]	N°1 [100mm - 3.94"]
Container capacity	110 Lt (30gal)
Certifications available	C.E. / UL-CSA / cURus

** Model available also in ATEX version and in all global voltages and frequencies*

INTER OIL



Inter Oil is **an intermediate model in terms of size from the oil mist division** dedicated to the collection of oil and chips.

It represents the link between the smaller models and the larger ones, and among its many strengths, **it boasts a capacity of 110 liters** (30 gal), which normally is integrated only in to the larger models.

GENERAL INFORMATION

Motors available	from 2.2kW (3hp) to 12.5kW (17.5hp) - Turbine
N° inlet [Ø]	N°1 [100mm - 3.94"]
Container capacity	110 Lt (30gal)
Certifications available	C.E. / UL-CSA / cURus

** Model available also in **ATEX version** and in **all global voltages and frequencies***

MASTER
CLEAN OIL



It turns out to be **one of the most compact wheeled models in the oil mist division** and allows the operator a front view free of encumbrances even during its handling.

Expressly dedicated to cleaning machinery, it has been designed in a compact manner in order to achieve maximum maneuverability and ergonomics for the operator in charge.

It is particularly interesting **the standard integrated cyclonic system** on all models.

GENERAL INFORMATION

Motors available	from 1.1kW (1.5hp) to 4kW (5.5hp) - Turbine
N° inlet [Ø]	N°1 [70mm - 2.75"]
Container capacity	65 Lt (17gal)
Certifications available	C.E. / UL-CSA / cURus

** Model available also in **ATEX version** and in **all global voltages and frequencies***

MASTERTANK



Mastertank is a vacuum cleaner with a **considerable storage capacity (380 Lt - 100gal / 580 Lt - 153gal)**, primarily dedicated to the emptying of tanks full of lubricating oil and cleaning of machine tools used in mechanical processing.

Forklift model - can be equipped with **"reverse flow" or internal pump** for simultaneous liquid discharge.

GENERAL INFORMATION

Motors available	from 3kW (4hp) to 4kW (5.4hp) - Turbine
N° inlet [Ø]	N°1 [50mm - 1.96"]
Container capacity	380 Lt (100gal) / 580 Lt (153gal)
Certifications available	C.E. / UL-CSA / cURus

* Model available in all global voltages and frequencies

WORKBENCH

Italyvacuum produces a **series of suction benches of various types** and the model shown is just one of the **many available versions**.

They differ in size, outlet pipe connection (right or left), the pipe diameter is calculated based on the extractor it will be connected to, etc.



GENERAL INFORMATION

N° inlet [Ø]	N°1 [160mm - 6.3" / 200mm - 7.87"]
Certification available	C.E.
Available sizes	1000 x 1000mm (39.3" x 39.3") 2000 x 1000mm (78.7" x 39.3") 3000 x 1000mm (118.1" x 39.3") 1000 x 1500mm (39.3" x 59") 2000 x 1500mm (78.7" x 59") 3000 x 1500mm (118.1" x 59")

** Model available also in **ATEX version** and in **all global voltages and frequencies***

WORKBENCH
FAN



The series of suction benches model Workbench Fan are designed to provide **strong suction across the entire workbench surface** due to a **powerful motor** inside the fully soundproofed structure.

Equipped with a **robust monolithic structure** they can be adapted to the countless sectors in which they are used.



GENERAL INFORMATION

Motors available	2.2kW (3hp) / 3kW (4hp) / 4kW (5hp)
Available sizes	2000 x 1000mm (78.7" x 39.3") 3000 x 1000mm (118.1" x 39.3") 2000 x 1500mm (78.7" x 59") 3000 x 1500mm (118.1" x 59")

** Model available also in **ATEX version** and in **all global voltages and frequencies***

WORKBENCH HOOD



The series of suction benches model Workbench Hood are designed to provide **strong suction across the entire workbench surface**.

Equipped with **folding partitions** sized to allow adequate capture velocity, they can be **adapted based on work requirements and the different sectors in which they are used**.

They can be connected to various types of extractors, both single and centralized, of different powers to exploit the maximum flexibility required.

GENERAL INFORMATION

Available sizes

1000 x 1000mm (39.3" x 39.3")
2000 x 1000mm (78.7" x 39.3")
3000 x 1000mm (118.1" x 39.3")
1000 x 1500mm (39.3" x 59")
2000 x 1500mm (78.7" x 59")
3000 x 1500mm (118.1" x 59")

** Model available also in **ATEX version** and in **all global voltages and frequencies***

ACCESSORIES

[1 of 3]



Cleaning accessories



Antistatic



Remote start on/off



DCD - Digital Contamination Detector



Easy lift



HEPA filters



Liquids and solids separator



Aerial supports of various types



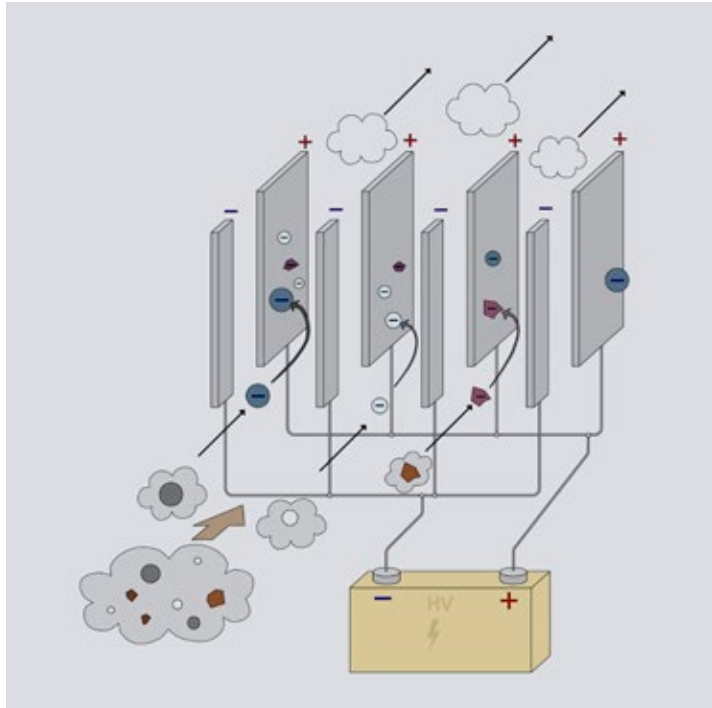
TCS - Touch Control Station



Oil drain valve

ACCESSORIES

[2 of 3]



Electrostatic
Filters



Reverse Flow



Submersible
Pump



Special
Polypropylene
Bags



Standard support
for Tecnomist



Standard support
for Mastermist



Telescopic
pipe support



Circular
Support



Lubricating Oil
Container for
Recycling



Electroreverse

ACCESSORIES

[3 of 3]



Tower support

+TECHNOLOGY

+SAVINGS

+EFFICIENCY

Italyvacuum uses only **high-efficiency** premium or super-premium **class motors** that drastically reduce energy consumption through responsible power management. These motors **not only outperform traditional motors** at the same power level, but also maintain high efficiency across varying loads, ensuring **optimal performance** under all operating conditions.

italy  **vacuum**
GROUP

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