

A GUIDE ON HOW TO CHOOOS THE INDUSTRIAL VACUUM CLEANER



AiRO
PROFESSIONAL

A Guide on how to choos the Airò Industrial Vacuum Cleaner:

Airò Professional industrial vacuum cleaners are studied and designed to effectively eliminate dust, debris, processing waste and liquids, responding to the needs of working environments while keeping them compliant with hygiene and safety standards.


The selection of the most suitable vacuum cleaner is mainly determined by the type of material or processing scrap to be removed and the specific conditions of the working environment.

Thus, helping to improve productivity and overall well-being in the workplace. Some advantages that an industrial vacuum cleaner offers:

- **Increased Cleanliness:** A well-maintained working environment allows machinery and equipment to operate at maximum efficiency. This helps to minimize downtime and improve product quality.
- **Increased Safety:** A clean environment free of dust and processing scraps reduces the risk of workplace accidents, such as fires and respiratory problems among workers.
- **Increased Productivity:** Cleaner work areas means fewer unforeseen events, interruptions, and downtime, increasing productivity.

All **Airò Professional** industrial vacuum cleaners can integrate remote control functionality, offering an optimal solution for centralized systems. A strategic advantage that improves operational flexibility and control in complex industrial environments.

DUST AND SCRAP SUCTION:

 **Industrial vacuum cleaners for dust** and processing scraps are designed to ensure effective suction of the finest particles, thanks to state-of-the-art filtration systems. They ensure high performance in production environments, reduce health risks and minimize maintenance interventions, improving operational efficiency.

Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable and specific for the type of suction required:

- **Multi-layer filtration**
- **Power and Range**
- **Spacious collection systems**
- **Manual Filter Cleaning System**



FENICE 101 VACUUM CLEANER

(Cod. AMI101SM)



FENICE 121 VACUUM CLEANER


(Cod. AMI121SM)



PEGASO 301 VACUUM CLEANER

(Cod. AMI301TM)

EXTRACTION OF VERY FINE AND HARMFUL DUST, SCRAPS:

 **Industrial vacuum cleaners for fine or fine and harmful dust** and processing scraps ensure optimal collection of the most microscopic particles thanks to high-efficiency **HEPA** filters and technologically advanced systems.

Ideal for production environments with a high risk of contamination and harmful to operators and machinery, offering maximum protection and performance and operational safety.

A fine or fine dust particle extraction device can be the perfect answer for cleaning and maintenance needs in the workplace.

Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable and specific for the type of suction required:

- **Use of Personal Protective Equipment (PPE) operators**
- **HEPA Multi-Stage Filtration (Code AMIC801 - Optional) – Not required in models with Automatic Clean**
- **Power and Range**
- **Longopac large or continuous bag collection systems (Code AMIA101 - Optional)**
- **Manual Filter Cleaning System, Automatic Clean recommended**



FENICE 125 VACUUM CLEANER

(Cod. AMI125SA)



PEGASO 301 VACUUM CLEANER

(Cod. AMI301TM)



ARIETE 501 VACUUM CLEANER


(Cod. AMI501TM)



ARIETE 541 VACUUM CLEANER

(Cod. AMI541TA)

SUCTION OF DUST AND SCRAPS AT HIGH TEMPERATURES:

 **Industrial vacuum cleaners for dust and scrap at high temperatures** are designed to ensure effective suction of the finest particles, even at high temperatures (up to 250°), thanks to the latest generation of Flame Retardant (Nomex) filtration systems.

They ensure high performance in production environments, reduce health risks and minimize maintenance interventions, improving operational efficiency.

Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable and specific for the type of suction required:

- **Use of Personal Protective Equipment operators (PPE)**
- **Filtration with NOMEX flame filter (Code AMIS821, AMIS822 - Optional)**
- **Power and Range**
- **Spacious collection systems**



FENICE 101 VACUUM CLEANER

Cod. AMI101SM)



PEGASO 301 VACUUM CLEANER


(Cod. AMI301TM)



ARIETE 501 VACUUM CLEANER

(Cod. AMI501TM)

SUCTION OF DUST AND SCRAPS, LIQUIDS:

 **Industrial vacuum cleaners for wet and liquid scraps and dust**, are designed to offer high performance in complex cleaning operations. Thanks to the combination of multi-function suction systems and durable components, they are able to effectively handle solid and liquid materials, contributing to the safety and efficiency of the production environment.

Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable and specific for the required suction type:

- **Dedicated filtration for liquids** – equipped with accessories such as the Cyclonic Cone and Float (Code AMIA201 and AMIA 211 - Optional)
- **Power and Range**
- **Continuous discharge system (Optional)**
- **Large collection systems** – recommended 100 L. in stainless steel



FENICE 121 VACUUM CLEANER

(Cod. AMI121SM)



PEGASO 301 VACUUM CLEANER


(Cod. AMI301TM)



ARIETE 501 VACUUM CLEANER

(Cod. AMI501TM)

SUCTION OF OILS, SHAVINGS, SCRAPS AND OILY SOLIDS:

 **Industrial vacuum cleaners for oils, chips, scraps and oil solids** are designed to offer high performance in complex cleaning operations. Thanks to the combination of multifunctional suction systems and durable components, they are able to effectively handle materials such as oils, chips and oily and metallic solids, contributing to the safety and efficiency of the production environment.

The use of industrial vacuum cleaners allows the separation of the solid residues produced by processing and the recovery of the filtered cooling lubricant oil, leading to the following advantages:

- Obtain and reuse cutting oils that have been filtered and purified.
- Reduce the costs related to the purchase of oil and the disposal of metal scraps "Chips".
- Optimize operational efficiency by minimizing machine downtime and maintenance time.

Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable and specific for the type of suction required:

- **Dedicated Oil Filtration** – equipped with accessories such as the Cyclonic Cone and Float (Code AMIA201 and AMIA 211 - Optional)
- **Chips, Scraps and Oily Solids Collection Systems with Collection Basket** (Code AMIA401 - Optional)
- **Oil drain system**
- **Power and Range**
- **Large collection systems** – recommended 100 L.



FENICE 131 VACUUM CLEANER

(Cod. AMI131S)



PEGASO 331 VACUUM CLEANER

(Cod. AMI301T)



ARIETE 501 VACUUM CLEANER

(Cod. AMI501TM)

ASPIRATION OF COMBUSTIBLE AND EXPLOSIVE DUSTS AND SCRAPS:

The issue of combustible and explosive dusts and scraps in work contexts plays a crucial role in ensuring the safety of operators and preventing accidents.

COMBUSTIBLE AND EXPLOSIVE DUST (FLAMMABLE): they are divided into 3 categories

- **Natural organic materials** (flour, wood, paper, natural fibers and food products)
- **Synthetic organic materials** (synthetic chemicals, polymers and resins)
- **Organic materials metals** (aluminum, magnesium, titanium and zinc)

Each of these categories exhibits a different reaction when it comes into contact with a combustion source, requiring a customized approach to ensure safety in the workplace. Industrial vacuum cleaners intended for these applications must have certain fundamental characteristics that make them suitable for the extraction of dust and processing scraps with explosive potential and high flammability:

- **Antistatic filtration**
- **Atex Certified Turbines**
- **Complete grounding**
- **Stainless steel construction**
- **Manual Filter Cleaning System, Automatic Clean recommended**

Industrial vacuum cleaners with **Atex** certification are safe and reliable tools for the elimination of flammable dust in workplaces that present a danger of explosion.



PEGASO 321 ATEX VACUUM CLEANER

(Cod. AMI321TMX)



ARIETE 521 ATEX VACUUM CLEANER

(Cod. AMI521TMX)



ARIETE 561 ATEX VACUUM CLEANER

(Cod. AMI561TMX)



1040 MC ATEX VACUUM CLEANER

(Cod. AI1040TAXC)





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INDUSTRIAL VACUUM CLEANERS FOR INDOOR CLEANING AND WELL-BEING

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