

THE DUST CHANGES AIR.

Year 2025

Commercial Brochure
generaldaspirazione.com



Innovation to save time and costs reduction.

General D'Aspirazione

Was founded in 1974, when Fausto Bianchi and his wife Mariagrazia sensed the need of a highly innovative cleaning system, then unknown to the Italian public.

Since then, the central vacuum systems signed by General D'Aspirazione, now known as GDA, have become a consolidated reality on the market, both in the residential and industrial sectors.

General D'Aspirazione has one important mission:

“Improve the air we breath and have more time for ourselves with top-quality central dust vacuum systems”

Today, Chiara, Matteo and Claudia lead the company in the production of high-quality centralised vacuum systems at an international level.



Fausto
and Mariagrazia.



Chiara.



Matteo.



Claudia.

Why choose a GDA centralised vacuum cleaning system.

General D'Aspirazione's centralised vacuum cleaner systems are indispensable for those who wish to **reduce running costs, shorten cleaning times** and achieve a level of **hygiene and air cleanliness** unattainable with any portable vacuum cleaner.

To achieve these important benefits, **Hotels, SPA, Conference Centres, Restaurants, Cinemas, Hospitals, RSA, Offices, Schools and Industries** must include the GDA system in the design phase.

A centralized vacuum system is essential in every situation, because proper cleaning is an integral part of the quality of your work.

They are also integrated in **Atex** environments and allow the aspiration of all kinds of materials, fine dust of various kinds, chips, flour and much more.



Indoor air quality



Silent operation



Reduction cleaning times



Less maintenance



Wide range of accessories



Amortization of the plant



Indoor air quality.

A significantly improved level of cleanliness and air quality is achieved by expelling filtered air (laden with allergens, micro-dust, dust mites, viruses and smells) outside the building via the central vacuum cleaner's expulsion duct, allowing a level of hygiene not achievable with any other portable system.

The technical-scientific commission of the MINISTRY OF HEALTH (Ministerial Decree of 8 April 1998) stated that: **“portable vacuum cleaners have a more harmful than beneficial effect because they do not retain all the vacuumed dust and they miniaturize what is expelled, making it inhalable”**.

Silent operation.

Cleaning can be done freely and at any time, even when guests are resting in the adjacent rooms. This feature makes it possible to increase the number of rooms served by the cleaning staff.

The use of a silent cleaning system that complies with the strictest hygiene and health regulations, underlines the care for guests and staff. This is possible since the central vacuum cleaner is soundproofed and far from the place of use.

Cleaning times reduction.

The **highest vacuum efficiency** combined with the use of the hose connected to the lightweight telescopic extension results in a **30% reduction time** spent using the system.

The complete elimination of all vacuumed particulate matter, thanks to the expulsion of filtered air outside the structure, allows to reduce in the frequency of cleaning.

Less maintenance.

The centralised vacuum system requires very **little maintenance**.

Thanks to the filter self-cleaning system, it is enough to replace the dust collection bag, with a capacity of up to 120 litres, every 2/4 months.

Even the controlled mechanical ventilation will require less maintenance, thanks to the **expulsion of filtered air outside, which will drastically reduce the phenomenon of suspended dust.**

Wide range of accessories for furniture care.

The many accessories available are suitable for all types of surfaces and furnishings: **flooring of all kinds, parquet, carpets, curtains, mattresses, tapestries and furniture.**

It is also possible to vacuum up liquids thanks to the liquid aspirator, which is particularly useful in swimming pool and SPA areas of hotels.

The hose, moreover, covered in a high quality tissue, **protects the furniture from rubbing** without leaving any marks at the contact points and increasing the comfort eliminating the noise that the hose would produce in normal movement on the floor. hose.

Amortization of the plant.

The economic savings for cleaning occur both with your own staff and by outsourcing.

This is due to the **absence of cost for portable vacuum cleaners** dedicated to the structure, which the cleaning company would be obliged to purchase, the **30% reduction in vacuuming time** compared to the use of portable vacuum cleaners, **longer life of the centralized system** over time compared to portable systems and their consumables (spare bags, batteries to replace, etc.)

In hospitality facilities, these aspects ensure complete **amortization of the plant cost on average within the first 2/4 years of activity**, with a consequent economic saving for all the following years, and a greater well-being for guests and staff.

iFlex system.

The disappearing hose

iFlex is the innovative system that retracts the flexible hose into the pvc piping connected to the central vacuum unit placed in a technical room.

Extract the hose up to 12 metres of a maximum length and connect to the ultralight telescopic extension or directly to the accessories. When the cleaning is finished, it quickly comes into the pvc pipe through the vacuum created by the vacuum. No electrical wires to connect and no batteries to recharge.

Indications for the socket point installation:

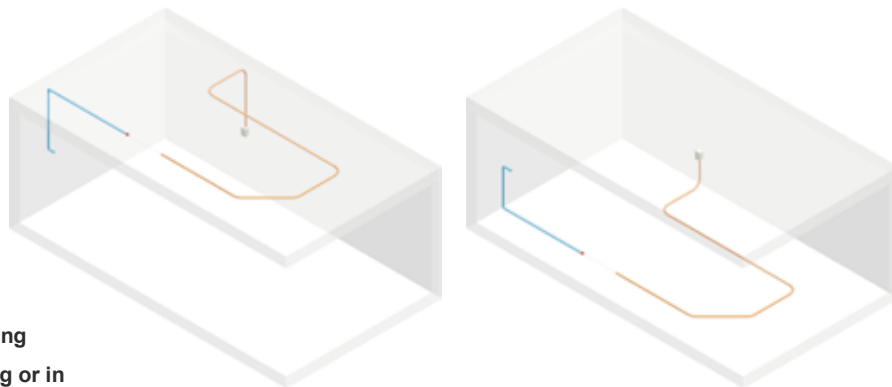
The 12m flexible hose has an average coverage of 90/100sqm. For specific needs, the 15m flexible hose is also available for an average coverage of 150sqm. It is recommended to place the sockets in common areas (e.g. corridors) to be able to serve multiple rooms with a single socket point.



How iFlex works.

Indication for piping installation and how it works:

The PVC piping, which will contain the flexible hose, can be installed either on the floor, with a 60/70cm distance of the bottom side of socket point from the finished floor for a down-up extraction of the hose, or on the ceiling with a 110cm distance of the socket (always from the finished floor) for a up-down extraction of the hose.



Example of a laying
in the false ceiling or in
the floor of the upper level.

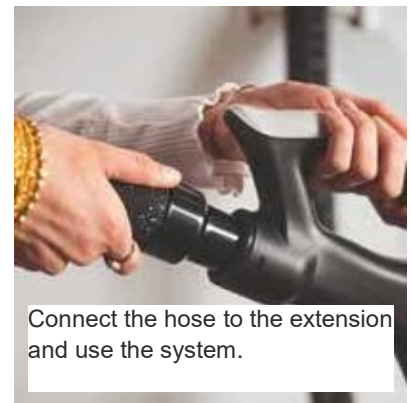
Example of
a floor laying



Pull out the hose.



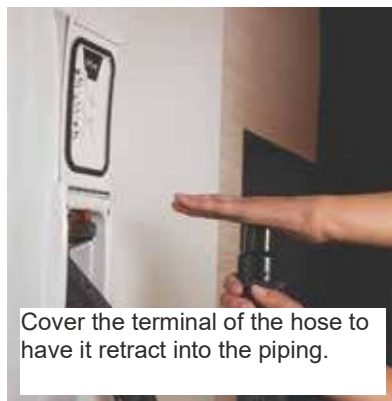
Pull the lever to block it and start
the central vacuum.



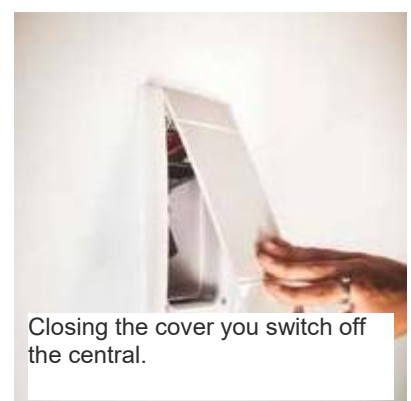
Connect the hose to the extension
and use the system.



When finished, unblock the hose
pushing the lever.



Cover the terminal of the hose to
have it retract into the piping.



Closing the cover you switch off
the central.

Traditional system.

The central vacuum unit, installed in a technical room, away from the daily living areas, is connected via a network of pipes in the floor or false ceiling to the wall, floor or external sockets located in the different environment.

It is sufficient to insert the handy and lightweight hose into the socket to reach every corner of the structure.

Indications for socket point installation:

The 7/9m hose has an average coverage of 30/50sqm, for greater convenience the use of the 7m hose is recommended. In addition to the length of the flexible hose, the furnishings must also be taken into account to define the various suction points positioning. They should be installed at the same height as the electrical sockets or in line with the above switches.



Astra ultraflat beauty.

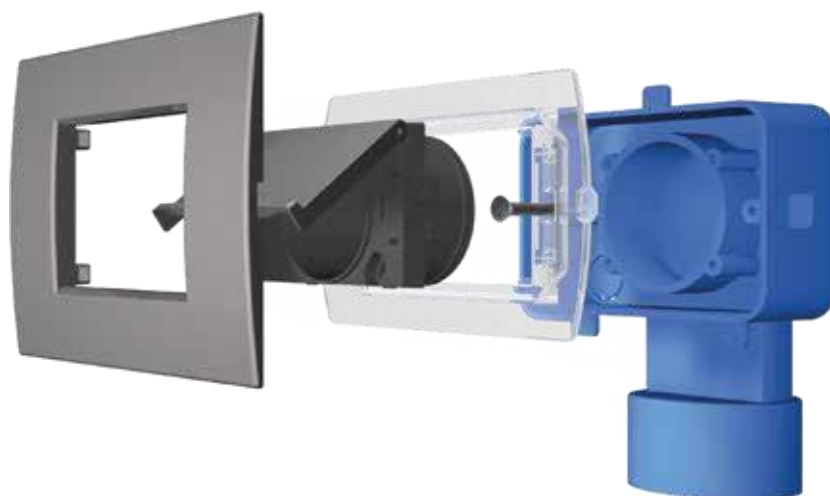
Slim elegance

Refined and efficient union of the modern design of the inlet and its simplified opening.

Simply compatible

Maximum installation practicality.

The Astra inlet is compatible with all GDA systems and combines with all main brands of electrical sockets.



Aria Suite.

With **Aria-Suite system (General D'Aspirazione exclusive patent)** it is possible to install a centralised vacuum system in any building already built.

The **Aria-Suite** system can easily be installed without any masonry work through refined and non-invasive, decorative elements. Thanks to the availability of various finishes, the Aria-Suite furniture elements are harmoniously adaptable to any environment.

Finishes.

White is the standard colour. Other chromatic variants are available upon request.



GDA



Almond



Misty Rose



Pearl Aqua



Silver



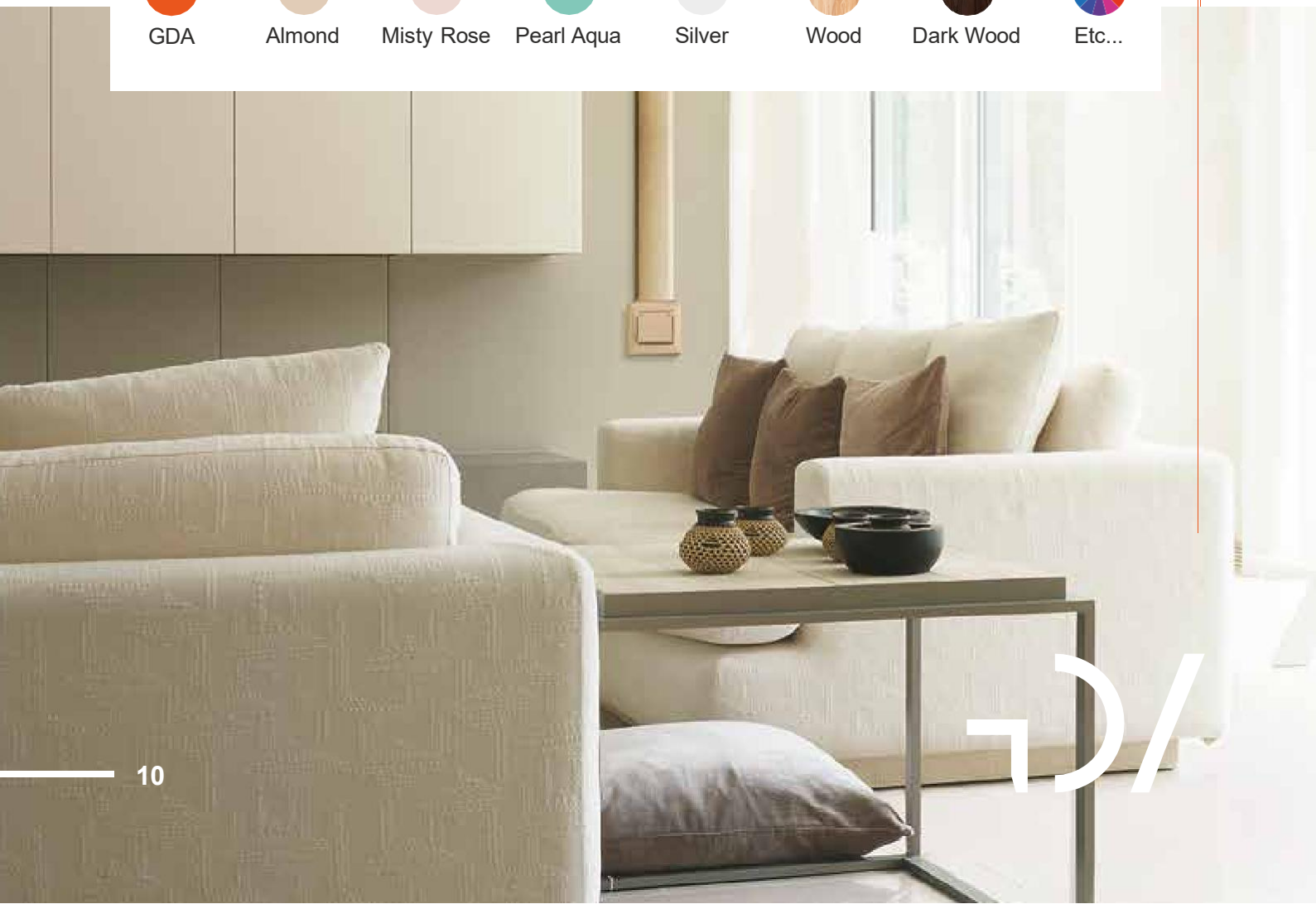
Wood



Dark Wood



Etc...



Socket Series 2 Modules.

Versatile model with a square shape that allows installation in standard white finish, or to be adapted with a support, available for various commercial two-module electrical plaque, for example Berker, Gira, Bticino, Legrand, Gewis, Vimar, Hager and others.



Special Plants.

Thanks to the ease of installation without glue, using sealed connection sleeves, galvanized steel pipes and fittings are the right choice when particular, abrasive or electrostatic dusts and materials need to be removed during or after the production.

In **Atex** environments it is possible to use this kind of galvanized pipes and fittings, thanks to their electrical conductivity which allows them to be connected to the plant's earthing factory, thus ensuring the highest levels of safety.

The installation is completed with external industrial sockets, also available in an antistatic version.



External Industrial Sockets.

Made of PA6+30%FV, direct installation on the Ø50 or Ø63 pipe.
Available with or without micro-contact for system switching on.
Accessory connection Ø32, Ø38 or Ø50. Also in Antistatic Version.
Dimensions: 138 x 81mm



Inverter Monoblock Units.

From 1 to 4 simultaneously users

Advanced technology and high-level performance are enclosed in a single compact unit, combined with reduced energy consumption thanks to the **inverter** system **and pressure transducer** as standard on all models. Ideal for environments with surfaces up to 5,000 m².

Self-cleaning filter

It ensures constant efficiency of the vacuum capacity, reducing maintenance times (not present on the 126T model).

BMS Interface

Prepared for integration with a four-output relay module, allowing connection to the building's BMS system to receive notifications such as motor ON, general fault, container monitoring, and filter control.

Easy installation and maintenance

Easy to install thanks to the self-supporting frame with adjustable feet. Simply place the unit in the designated room, connect the air inlet and outlet pipes, plug it into the electrical socket, and the unit is ready for use.

Quick release of the wheeled container via the handle.

Switch On/Off

Standard configuration allows connection to the low-voltage line of the vacuum sockets. Alternatively, it can be connected to the patented IWS (Infinity Wireless System), enabling remote control via the wireless handle, with no low-voltage wiring required between the various vacuum sockets.

Two Front Quick Buttons

One for maintenance reset; one for manual switching on the the self-cleaning filter.



Display panel.

A user interface that intuitively displays the configuration parameters of the Monoblock and Commercial Unit (inverter parameters, maintenance, and alarms) with a favorites list and self-cleaning times adjustable to the user's needs.



Monoblock Units.

From 1 to 2 simultaneously users



General D'Aspirazione
Since 1974, pioneers in the Italian market
in centralized vacuum cleaning sector.






Monoblock Units.

From 3 to 4 simultaneously users



Inverter Monoblock Units.

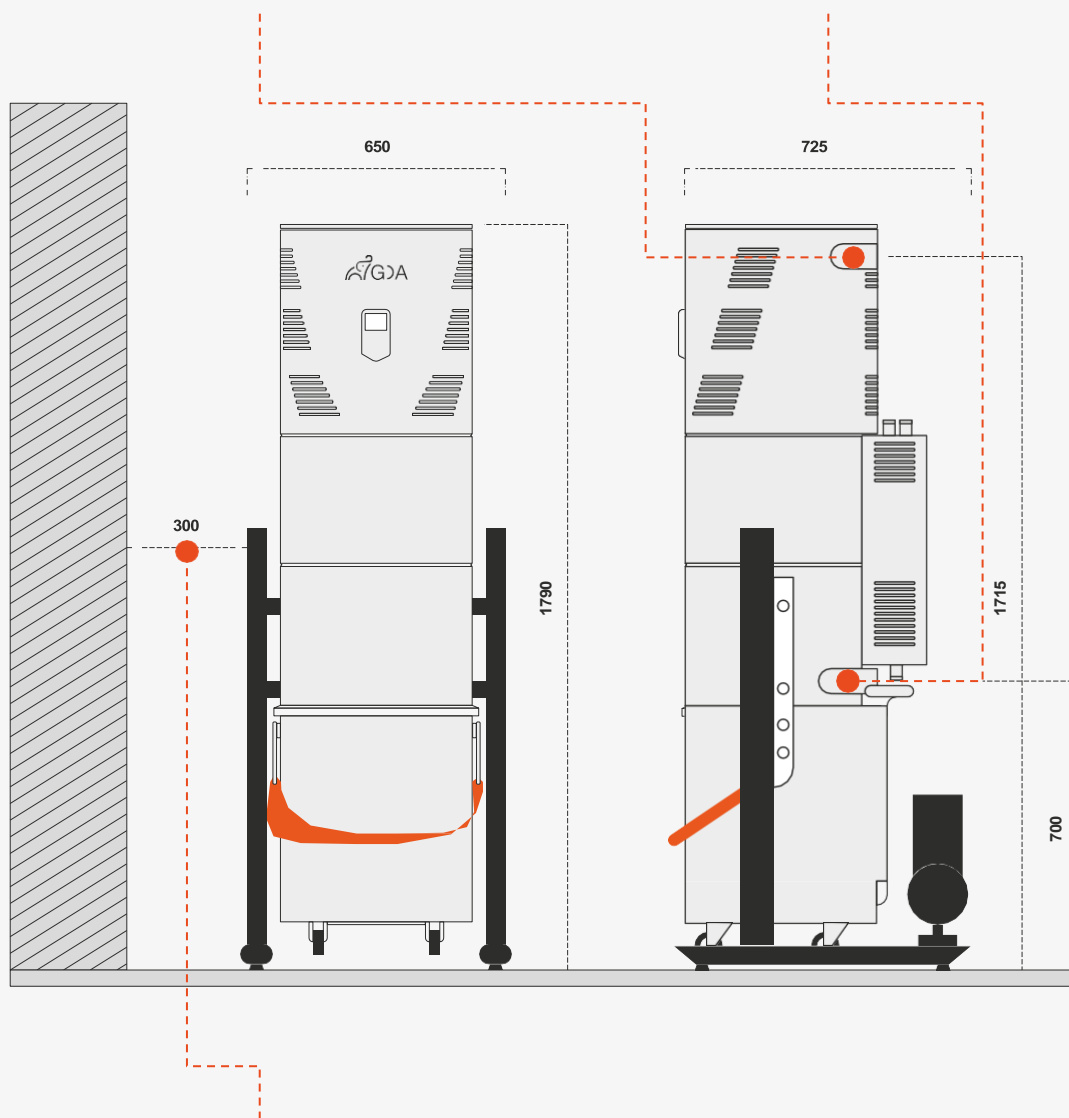
From 1 to 2 simultaneously users

| Technical Data | | Mod. 126T | Mod. 126TA | Mod. 238TA |
|-------------------------------------|-------------------|---|---|---|
| Number of users* | | 1 | 1 | 2 |
| Work area | m ² | 300-1000 | 300-1000 | 1000-2000 |
| Self-cleaning | | NO | YES | YES |
| Inverter | | YES | YES | YES |
| Internal soundproof for turbine | | YES | YES | YES |
| Metal Silencer for Air Exhaust | | YES | YES | YES |
| Dimensions | | | | |
| Dust scontainer capacity | lt | 90 | 90 | 90 |
| Diameter | cm | Ø46 | Ø46 | Ø46 |
| Filter Surface Area | m ² | 2 | 2 | 2 |
| Inlet/Outlet Diameter | mm | Ø63 | Ø63 | Ø63 |
| Height | cm | 179 | 179 | 179 |
| Width | cm | 65 | 65 | 65 |
| Depth | cm | 72,5 | 72,5 | 72,5 |
| Weight | kg | 110 | 123 | 124 |
| Performance technical data | | | | |
| Working airflow at 160 mbar | m ³ /h | 180 | 180 | 340 |
| Maximum Airflow | m ³ /h | 350 | 350 | 460 |
| Standard working setting – Setpoint | mbar | 160 | 160 | 160 |
| Maximum working setting | mbar | 250 | 250 | 230 |
| Maximum depression | mbar | 360 | 360 | 400 |
| Maximum noise** | dB A | 59 | 59 | 62,5 |
| Electrical technical data | | | | |
| Motor Power | Kw | 3 | 3 | 3,8 |
| Power Supply | V | 380 | 380 | 380 |
| Supply Frequency | Hz | 50/60 | 50/60 | 50/60 |
| Current Draw | A | 7,9 | 7,9 | 9,7 |
| Motor Thermal Protection | | YES | YES | YES |
| Overcurrent Protection | | YES | YES | YES |
| Maximum Frequency | Hz | 70 | 70 | 86 |
| Protection Rating | | IP20 | IP20 | IP20 |
| Electrical Insulation | |  |  |  |

* The number of users may vary depending on the kind of application ** Noise level measured in accordance with UNI EN ISO 3744

Expulsion

Aspiration





Minimal distance to access
to the control panel



Inverter Monoblock Units.

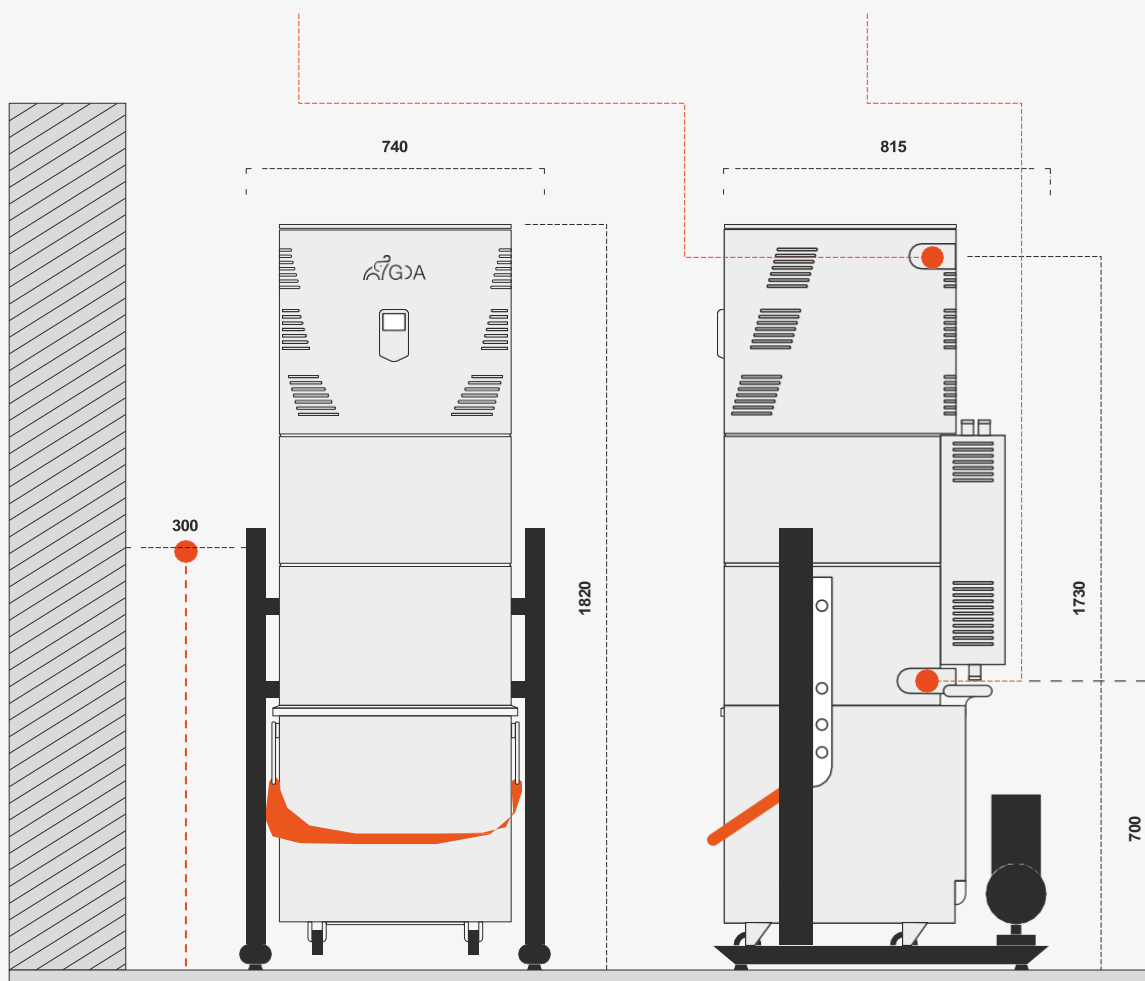
From 3 to 4 simultaneously users

| Technical Data | | Mod. 350TA | Mod. 469TA |
|-------------------------------------|-------------------|---|---|
| Number of users* | | 3 | 4 |
| Work area | m ² | 2000-4000 | 3000-5000 |
| Self-cleaning | | YES | YES |
| Inverter | | YES | YES |
| Internal soundproof for turbine | | YES | YES |
| Metal Silencer for Air Exhaust | | YES | YES |
| Dimensions | | | |
| Container capacity | lt | 120 | 120 |
| Diameter | cm | Ø55 | Ø55 |
| Filter Surface Area | m ² | 3,6 | 3,6 |
| Inlet/Outlet Diameter | mm | Ø100 | Ø100 |
| Height | cm | 182 | 182 |
| Width | cm | 74 | 74 |
| Depth | cm | 81,5 | 81,5 |
| Weight | kg | 159 | 166,5 |
| Performance technical data | | | |
| Working airflow at 160 mbar | m ³ /h | 400 | 530 |
| Maximum Airflow | m ³ /h | 530 | 680 |
| Standard working setting – Setpoint | mbar | 160 | 160 |
| Maximum working setting | mbar | 220 | 260 |
| Maximum depression | mbar | 420 | 460 |
| Maximum noise** | dB A | 66 | 67 |
| Electrical technical data | | | |
| Motor Power | Kw | 5 | 6,9 |
| Power Supply | V | 380 | 380 |
| Supply Frequency | Hz | 50/60 | 50/60 |
| Current Draw | A | 12,6 | 15,6 |
| Motor Thermal Protection | | YES | YES |
| Overcurrent Protection | | YES | YES |
| Maximum Frequency | Hz | 86 | 86 |
| Protection Rating | | IP20 | IP20 |
| Electrical Insulation | |  |  |

* The number of users may vary depending on the kind of application ** Noise level measured in accordance with UNI EN ISO 3744

Expulsion

Aspiration



Minimal distance to access
to the control panel

Inverter commercial units.

From 5 to 7 simultaneously users

The Inverter Commercial Vacuum Units are equipped with variable frequency motors of high performance, capable of **best supporting** the cleaning of surfaces from 2,000 to 10,000 square meters.

Composed by three main components:

- ✓ Side-channel vacuum turbine with soundproofed box
- ✓ Cyclonic dust separator with self-cleaning
- ✓ Electrical panel with inverter and LCD display panel

Side-channel vacuum turbine

Supplied with a metal **soundproof box**, painted white. Wide frequency range from 30 to 86 Hz. The turbine is coupled with a brushless electric motor (no sliding parts), requiring no maintenance. Double impeller for increased stability. Average life: 40,000 hours.

Cyclonic separator

Equipped with an Electro-pneumatic self-cleaning filter with programmable times, with dedicated compressor and tank. It keeps constant efficiency of the vacuum capacity, reducing maintenance times. Washable polyester filter.

Electrical panel with inverter connected to pressure transducer

For constant management of performance and electricity consumption, which vary based on the kind of surface to be cleaned and the number of operators using the system.

LCD Display Panel.



A user-friendly interface that allows intuitive visualization of the Commercial Vacuum Unit's parameters and settings (inverter, self-cleaning, maintenance, and alarms), with customizable favorites and self-cleaning times based on the final user needs.

Possibility to connect the vacuum unit to the structure's **BMS** with a **4 output relay module**.



Inverter commercial units.

From 5 a 7 simultaneously users

| Technical Data | | Mod. 595T120AIB | Mod. 713T120AIB |
|-------------------------------------|-------------------|---|---|
| Number of users* | | 5 | 6/7 |
| Work surface | m ² | 4000-5000 | 5000-10000 |
| Self-cleaning | | YES | YES |
| Inverter | | YES | YES |
| Soundproof box for turbine | | YES | YES |
| Metal Silencer for Air Exhaust | | YES | YES |
| Cyclonic separator | | | |
| Dust container capacity | lt | 120 | 120 |
| Diameter | cm | Ø55 | Ø55 |
| Filter surface area | m ² | 6 | 6 |
| Inlet/Outlet diameter | mm | Ø100 | Ø100 |
| Height | cm | 161 | 161 |
| Width | cm | 74 | 74 |
| Depth | cm | 79 | 79 |
| Weight | kg | 100 | 100 |
| Turbine technical data | | | |
| Working airflow at 160 mbar | m ³ /h | 720 | 950 |
| Maximum Airflow | m ³ /h | 860 | 1100 |
| Standard working setting – Setpoint | mbar | 160 | 160 |
| Maximum working setting | mbar | 220 | 240 |
| Maximum depression | mbar | 520 | 550 |
| Maximum noise** | dB A | 74 | 74,5 |
| Weight | kg | 62 | 69 |
| Electrical technical data | | | |
| Motor Power | Kw | 9,5 | 12,6 |
| Power Supply | V | 380 | 380 |
| Supply Frequency | Hz | 50/60 | 50/60 |
| Current Draw | A | 19 | 26,5 |
| Motor Thermal Protection | | YES | YES |
| Overcurrent Protection | | YES | YES |
| Maximum Frequency | Hz | 86 | 86 |
| Protection Rating | | IP20 | IP20 |
| Electrical Insulation | |  |  |

* The number of users may vary depending on the kind of application ** Noise level measured in accordance with UNI EN ISO 3744

General D'Aspirazione

Since 1974, pioneers in the Italian market in centralized vacuum cleaning sector.



Vortex Pre-Separatore.

Vortex is the cyclonic pre-separator that **intercepts over 98% of vacuumed dust**, thanks to the principle of cyclonic motion, without any internal filter to clean.

It protects both monoblock and commercial units, significantly improving the effectiveness of the self-cleaning system in environments with large quantities of fine dust.

It can be integrated into any existing system and is highly recommended in areas where fine dust is collected in significant amounts.

A guarantee of performance and, above all, a significant simplification of maintenance.

Dimensions: H. 1620mm - W. 649mm - D. 725mm



Advantages.

- ✓ Filtration efficiency exceeding 98%
- ✓ Cartridge-free filtration thanks to cyclonic motion
- ✓ Self-supporting frame with adjustable feet
- ✓ Cyclone and dust container in galvanized sheet metal, white painted
- ✓ 90 litre container complete with release handle and wheels
- ✓ Inlet/outlet Ø100 mm
- ✓ Complete with rubber sleeves for connection to the pipe network



Relay module.

4 outputs

The relay module allows interfacing with structure's BMS. Using four outputs it is possible to remotely control the following signals: motor on, generic fault, container control, filter control.



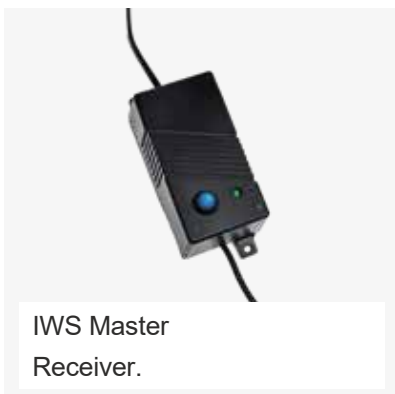
Commercial Infinity Wireless System.

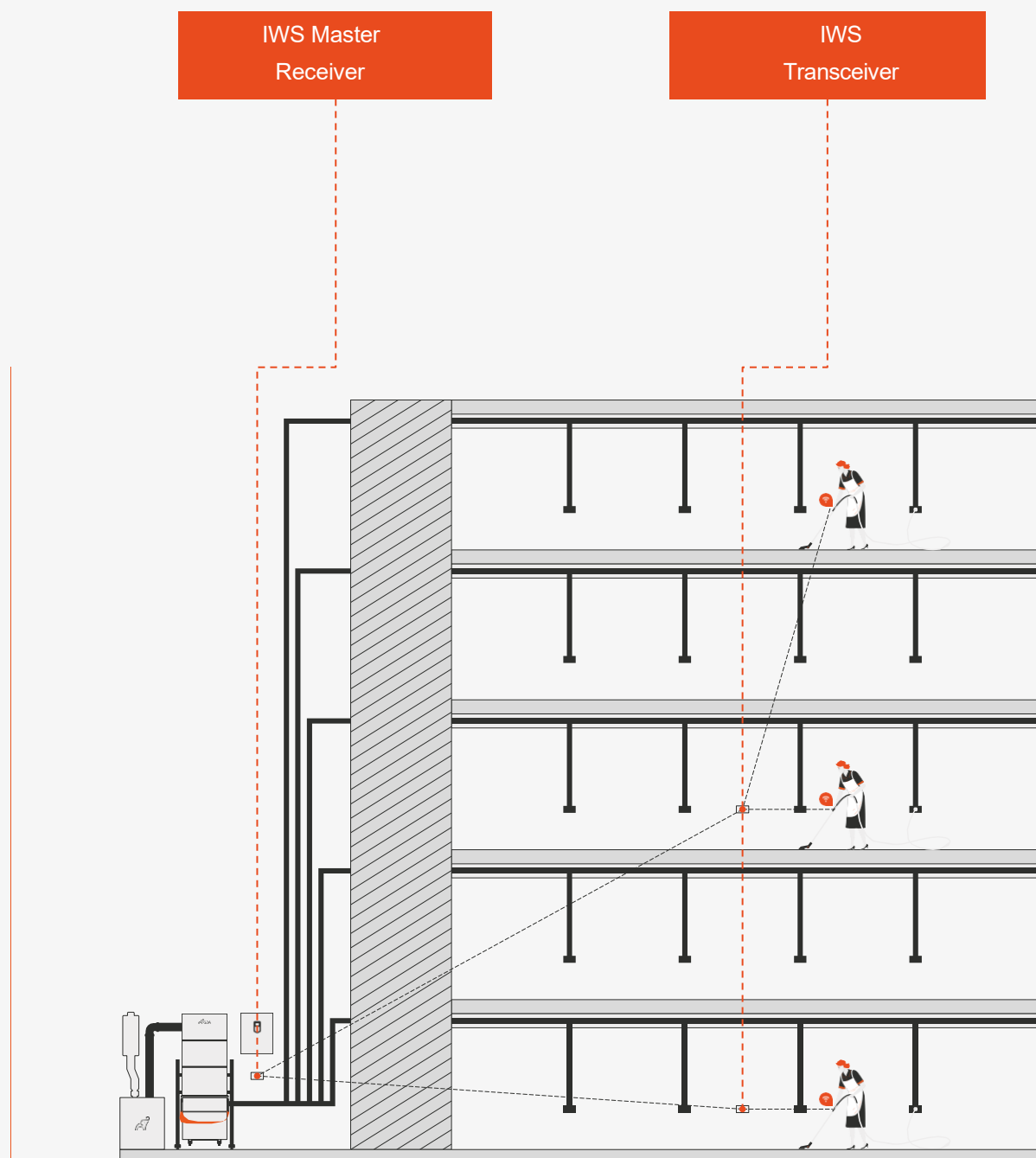
The commercial IWS applicable to plants with commercial and monoblock units both three-phase and single-phase, allows you to avoid the electrical connection between the sockets. This fantastic system allows you to install a wireless centralized vacuum system in any kind of construction without limits distance.

Buildings with a lot of reinforced concrete or radio interference are no longer an obstacle!

The IWS is composed by a "master" receiver to be connected into the electrical panel's sockets input, and one or more "slave" transmitters that will be positioned in the various environment depending on the kind of building.

A dedicated 220 V power line from the main electrical cabinet of the structure must be done to connect the master and slave. The system will be switched on with the Brava Wireless handle and the switch-off will be managed by the inverter in a completely automatic way, when the system is no use by no one.





Single accessories line D.32.

Professional line

Multiple solutions to act with maximum effectiveness on every surface, to vacuum both solids and liquids.

Discover all the accessories on the website generaldaspirazione.com



Two-function
for floors and carpets



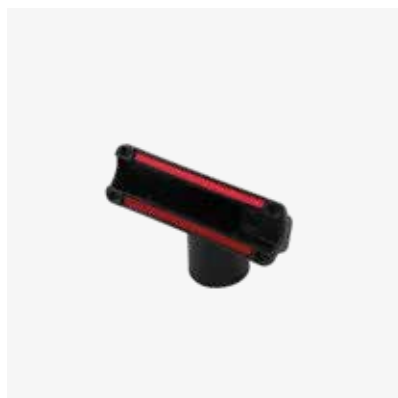
Turbo brush with
rotating bristles 28 cm



Floor 40 cm floors with
rubber wheelser



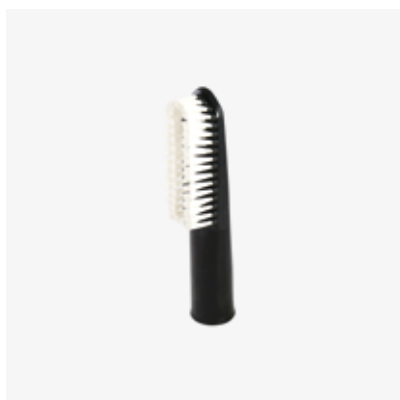
Nozzle for
corners and slot



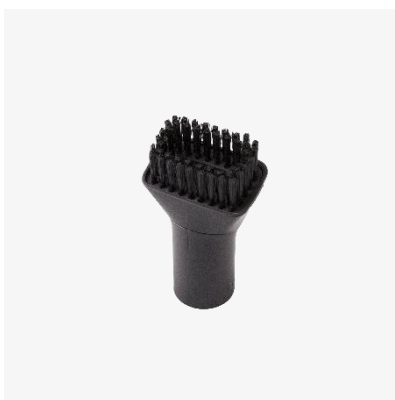
For car, mattress and
couch brush



For parquet and smooth floors,
horsehair bristles and mops



For dusting curtains,
blinds and shutters



Swivel brush for
dusting



To connect accessories to
the flexible hose



Liquidator with ash
vacuuming accessory



Accessories
carriage



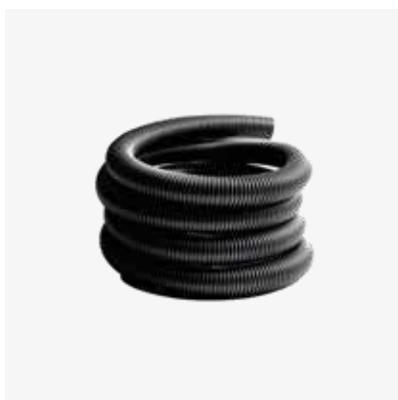
Electric brush with
bristle roller and
microfibre

Single accessories line D.38.

Industrial line

A complete range of 38mm internal diameter hoses, including conductive hoses and antistatic accessories, ideal for industrial environments.

Discover all the accessories on the site generaldaspirazione.com



Conductive
hose



For dusting,
horsehair bristles,
antistatic



Anti-static
lance



For 40 cm floors with
rubber wheelser



Automatic
hose reel



60 lt. liquid aspirator
with tilting trolley

OLIO



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