

the dust changes air



THE GDA GROUP - THE FIRST ONE SINCE 1974

INNOVATIONS TO SAVE TIME AND REDUCE OPERATING COSTS

General D'Aspirazione was founded in 1974, when the founder Fausto Bianchi and his wife Mariagrazia realized the usefulness of a highly innovative cleaning system, unknown to the Italian public.

Since then, GDA's centralized vacuum systems have become an established reality on the market, both in the residential and industrial sectors.

General D'Aspirazione works with a single important mission every day: to improve the air we breathe and to have more time for ourselves through high quality centralized dust extraction systems.



FAUSTO AND
MARIAGRAZIA



CHIARA



MATTEO



CLAUDIA

Today Chiara, Matteo and Claudia lead the company in the production of centralized dust extraction systems of high quality at national and international level.

50 years of experience
+1500 systems realized with professional vacuum units

WHY CHOOSE A GDA CENTRALIZED VACUUM SYSTEM

The General D'Aspirazione centralized aspiration systems are indispensable to obtain well cleaned spaces in a short time and with little effort. So they are ideal in hotel, SPA, congress centers, restaurants, cinemas, hospitals, offices, schools and factories. These spaces need maximum hygiene with frequent cleaning that do not damage furniture and equipment. In every circumstance, there is a need for the central vacuum cleaner because cleaning well is an important part of the quality of your work.

The commercial/tertiary centralized aspiration line is indispensable in all situations where professional cleaning is a necessity.

They can be also integrated in Atex spaces and allow the aspiration of any type of material such as liquids, shavings, particulates, flours and much more.



INDOOR AIR QUALITY

The air is often full of allergens, micro-dust, mites, viruses and smells. The expulsion of the filtered air outside the building by the exhaust duct of the central unit, allows reaching a hygienic level not achievable with any other portable system.

The use of a silent cleaning system underlines the care towards customers and staff, in compliance with the stricter sanitary regulations.

The technical-scientific committee of the MINISTRY OF HEALTH' stated (D.M. of 8 April 1998) that: *"portable vacuum cleaners have a more damaging than healthy effect because they don't retain all the aspirated dust and they miniaturize the expelled one, making it not good to be respirable"*.



ENERGY CONSUMPTION REDUCTION UP TO 50%

The great aspiration efficiency combined with the use of the very light flexible support connected to the working pole, leads to a **reduction** of about 30% time use. Furthermore, the complete elimination of dust reduces the frequency of cleaning. Thanks to these aspects, you can **save energy** from 30% to 50%.



SILENCE

Cleaning is carried out in total freedom and at any time, even when guests are resting in adjacent rooms to the place of use. This is because the aspiration unit is soundproof and away from the place of use.



REDUCTION OF OPERATING COSTS

The economic saving is obtained both with own staff and outsourcing cleaning, thanks to the average reduction of 30% of the time spent using the system compared to the portable vacuum cleaner. Regarding hotels, the entire cost incurred is generally recovered within the first 4 years of operation, with economic savings for all the following years.



SYSTEM AMORTISATION

- -30% less cleaning time;
- No cost for portable vacuum cleaners;
- Longer system life.

Generally, these aspects permit a full amortisation in 2-4 years of activity.



FURNITURE CONSERVATION

By eliminating portable vacuum cleaners, knocks against doors and furniture are avoided, with the consequent premature aging of them. Moreover, the flexible tube, coated with a high quality cloth, protects furniture from rubbing and leaves no marks at the contact points.



REDUCED MAINTENANCE IN VENTILATION SYSTEMS

Air exchange and air conditioning systems require less maintenance thanks to an extreme reduction of the phenomenon of micro dust in suspension, common to all portable vacuum cleaners. Filters remain clean longer and mechanical ventilation will be activated with less frequency thanks to better indoor air quality.



ALL KINDS OF ACCESSORIES

The many accessories available are suitable for all types of surfaces and furniture: all kinds of floors, parquet, wall-to-wall carpeting, carpets, curtains, mattresses, wallpapers and furniture.

It is also possible to aspirate liquids for cleaning the floors with the appropriate accessory, particularly useful in swimming pools and SPA areas of hotels.

TRADITIONAL SYSTEM

The aspiration unit is installed in a technical room, away from everyday living rooms. It is connected via a network of floor or false ceiling tubs to the aspiration outlets on the wall, floor or outside, located in different rooms.

Simply you have to insert the light and easy-to-handle flexible tube to the aspiration socket and you can reach every room corner.

(Example of installation in a hotel: the sockets can be placed in bedrooms, corridors and common areas, a tube of length 7/9 meters will be used to connect to the various aspiration sockets)



iFlex SYSTEM

THE DISAPPEARING HOSE

iFlex is the innovative system that accommodates the hose inside the PVC pipe connected to the aspiration unit located in a technical room.

Take out the hose up to 12/15 meters and connect it to the ultralight telescopic pole or directly to the accessories. When the cleaning is finished, it quickly goes back into the pipe using the vacuum created by the aspiration.

No electrical cable to connect or batteries to recharge.

(Example of installation in a hotel sockets can be placed in corridors and common areas, each socket has inside the flexible tube 12/15 meters long and you carry only the telescopic pole with brush and handle to be connected to the tube)





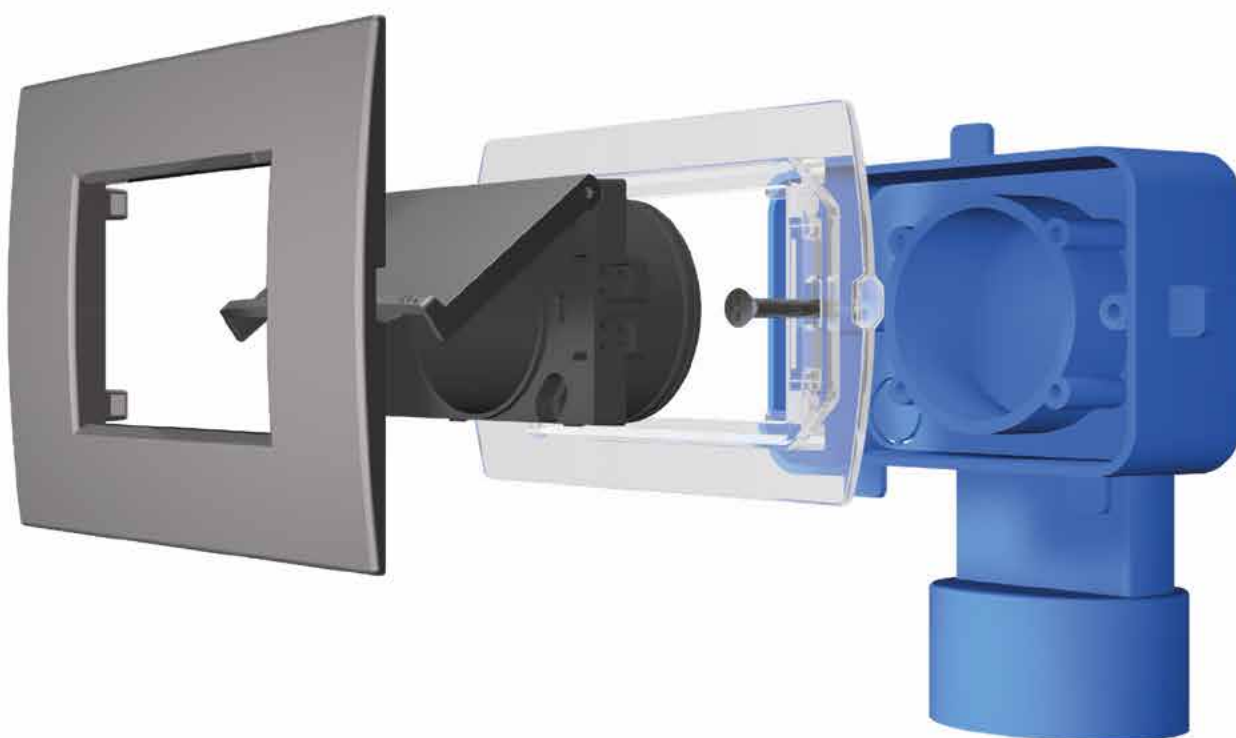
ASTRA ULTRA-FLAT BEAUTY

THIN ELEGANCE

Refined and efficient union between the modern socket design and its simplified opening.

SIMPLY COMPATIBLE

Maximum installation convenience. Astra socket is compatible with all GDA systems and matches the main brands of electrical plates.



iFlex HOW IT WORKS

PULL OUT THE FLEXIBLE HOSE



PULL THE LEVER TO BLOCK IT AND START THE CENTRAL VACUUM



CONNECT THE FLEXIBLE HOSE TO THE EXTENSION FOR USE



WHEN FINISHED, UNBLOCK THE FLEXIBLE HOSE PUSHING THE LEVER



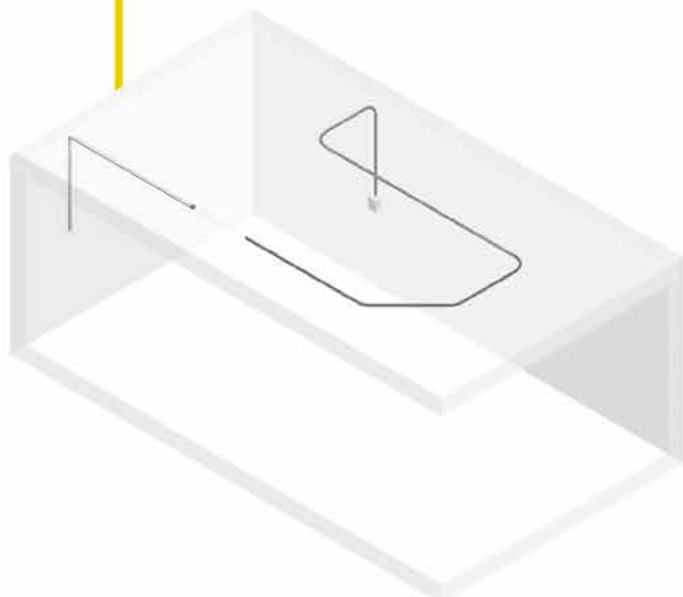
COVER THE TERMINAL OF THE FLEXIBLE HOSE TO HAVE IT RETRACT INTO THE PIPING



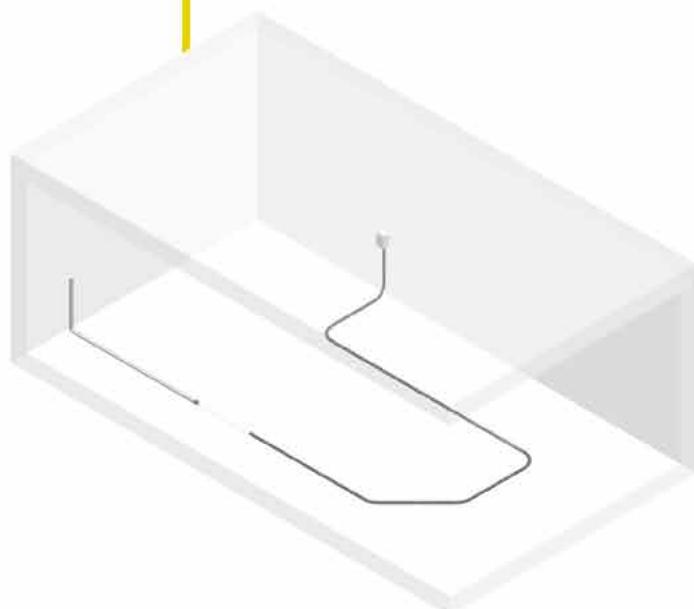
CLOSING THE COVER YOU SWITCH OFF THE CENTRAL



EXAMPLE OF A LAYING UNDER CEILING OR ON THE FLOOR OF THE UPPER LEVEL



EXAMPLE OF A FLOOR LAYING



MONOBLOCK CONTROL UNITS

WITH INVERTER *1 to 4 contemporary users*

In a single object, the monoblock units contain design, technology and high-level performance, combined with significantly reduced consumption, thanks to the inverter system as standard on all models, ensuring a **smaller footprint** in rooms.

Ideal for spaces with surfaces up to 5,000 square meters, the monoblock units are designed for **1 to 4** contemporary users.

The **filter self-cleaning system**, ensures constant efficiency, reducing maintenance time and maintaining constant aspiration capacity over time.

Easy to install, simply you connect the air inlet and outlet pipe and insert the plug into the electrical socket to activate the central unit.

1 - 2 USERS



3 - 4 USERS



COMMERCIAL UNIT WITH INVERTER

5 to 7 contemporary users

The Commercial Units with Inverter are equipped with variable frequency motors of **great power**, able to support cleaning for industrial spaces and large areas from 2,000 to 10,000 square meters.

To ensure high levels of cleanliness in large spaces, the **multi-operator system** allows multiple operators to work.

The number of simultaneous users can be designed according to the operating needs, also modulating more central units in series.

The operation by inverter allows a **reduction of up to 50% of consumption**, varying the speed of the turbine according to the number of users who connect.

The filter self-cleaning system, ensures constant efficiency, reducing maintenance time and maintaining constant aspiration capacity over time.



PRE SEPARATOR VORTEX

It sucks everything you want! Even the finest powders with the pre separator "Vortex". Vortex is the cyclonic pre separator that intercepts over 98% of the sucked dust, thanks to the principle of cyclonic motion, without any filter to be cleaned inside.

It preserves the monobloc and commercial units, greatly improving the efficiency of the self-cleaning system in spaces with large quantities of fine dust.

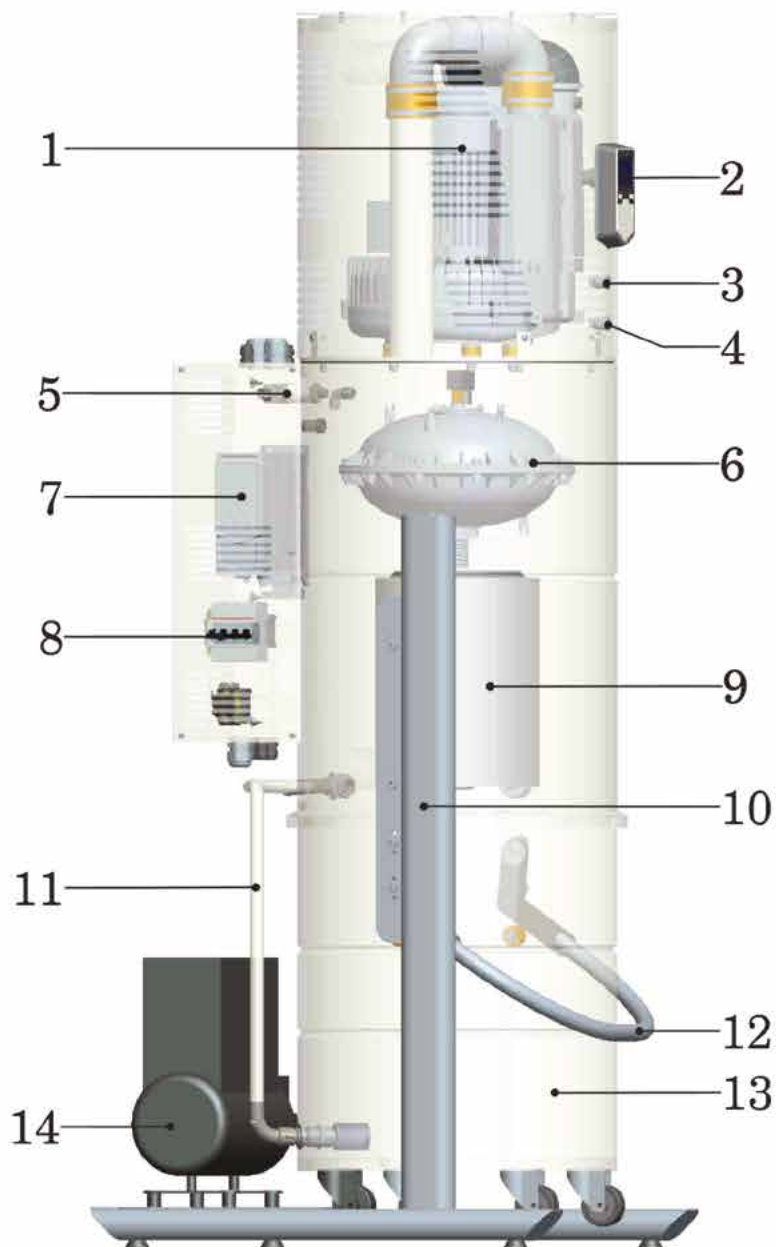
It can be integrated into all the system already installed and is recommended in places where fine dust is sucked in quantities.

A guarantee of effectiveness but, above all, a remarkable simplification in the maintenance.



MONOBLOCK CONTROL UNITS WITH INVERTER

The display panel is a user interface that easily and intuitively displays the parameters and configurations of the monoblock control unit (inverter, self-cleaning, maintenance and alarm parameters)



- | | |
|------------------------------------|-----------------------------------------------|
| 1 Turbine | 8 Main switch |
| 2 Display | 9 Polyester filter |
| 3 Reset and maintenance pushbutton | 10 Self-supporting frame with adjustable legs |
| 4 Manual self-cleaning pushbutton | 11 Dust bag block |
| 5 Pressure transducer | 12 Handle to unlock the dust container |
| 6 Self-cleaning system | 13 Dust container with wheels |
| 7 Inverter | 14 Compressor for self-cleaning |

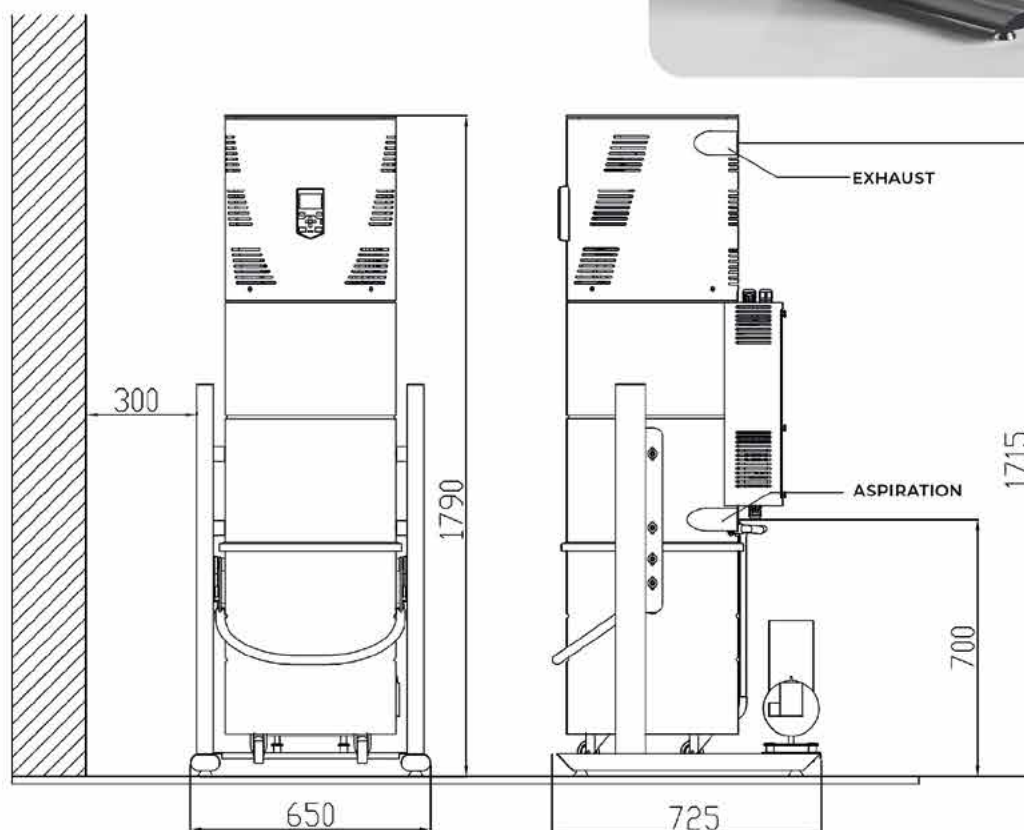
INVERTER MONOBLOCK CONTROL UNITS

For 1-2 users

TECHNICAL DATA		MODELS		
		126T	126TA	238TA
Characteristics				
Number of users *		1	1	2
Working area	m ²	300-1000	300-1000	1000-2000
Self-cleaning function		NO	SI	SI
Inverter		SI	SI	SI
Internal soundproofing		SI	SI	SI
Metal silencer for air exhaust		SI	SI	SI
Dimensions				
Container capacity	lt	90	90	90
Diameter	cm	Ø46	Ø46	Ø46
Filter Surface	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
Technical performance data				
Airflow operating at 160 mba	m ³ /h	180	180	340
Maximum airflow	m ³ /h	350	350	470
Standard set point depressor	mbar	160	160	160
Maximum working depression	mbar	250	250	230
Maximum depression	mbar	360	360	400
Maximum noise emission**	dB A	59	59	62,5
Electrical technical data				
Motor power	kW	3	3	3,8
Power supply voltage	V	400	400	400
Power supply frequency	Hz	50/60	50/60	50/60
Power absorbed	A	7,9	7,9	9,7
Motor thermal protection		SI	SI	SI
Overcurrent protection		SI	SI	SI
Maximum frequency	Hz	70	70	86
Protection rating		IP20	IP20	IP20
Electrical insulation				



* The number of operators may vary based on the type of application

** Noise level measured according to UNI EN ISO 3744



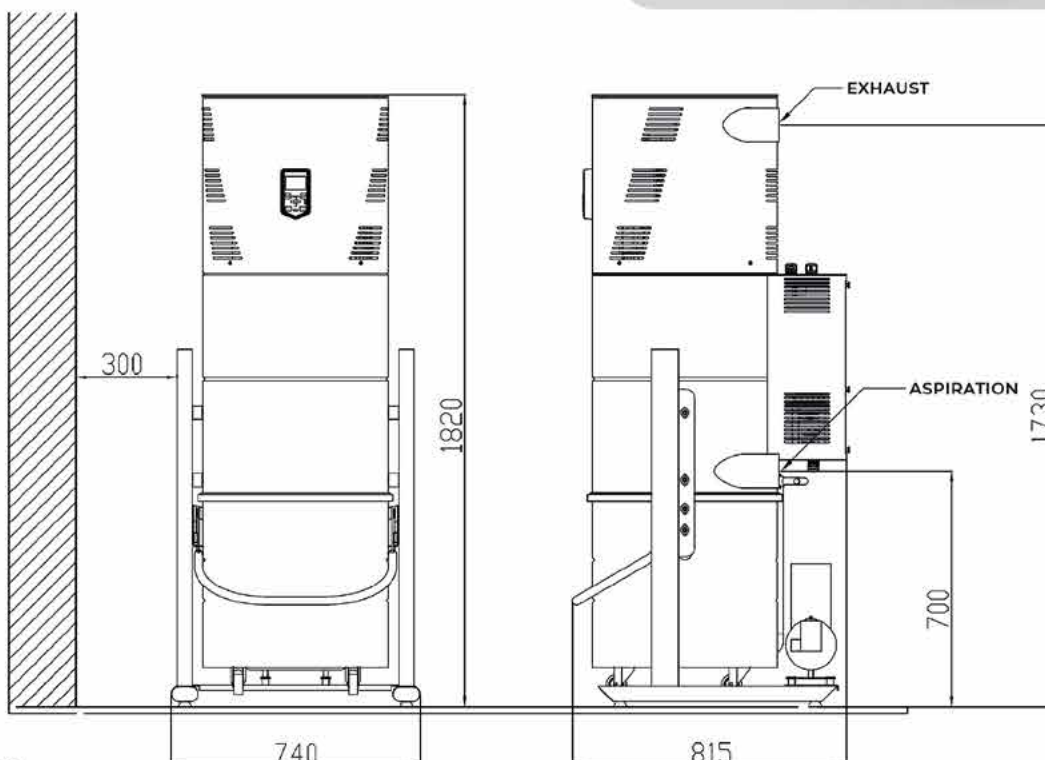
INVERTER MONOBLOCK CONTROL UNITS

For 3-4 users

TECHNICAL DATA		MODELS	
		350TA	469TA
Characteristics			
Number of users *		3	4
Working area	m ²	2000-4000	3000-5000
Self-cleaning		SI	SI
Inverter		SI	SI
Internal soundproofing		SI	SI
Metal silencer for air exhaust		SI	SI
Dimensions			
Container capacity	lt	120	120
Diameter	cm	Ø55	Ø55
Filter Surface	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
Technical performance data			
Airflow operating at 160 mba	m ³ /h	400	530
Maximum airflow	m ³ /h	530	685
Standard set point depressor	mbar	160	160
Maximum working depression	mbar	220	260
Maximum depression	mbar	420	460
Maximum noise emission **	dB A	66	67
Electrical technical data			
Motor power	kW	5.0	6.9
Power supply voltage	V	400	400
Power supply frequency	Hz	50/60	50/60
Power absorbed	A	12.6	15.6
Motor thermal protection		SI	SI
Overcurrent protection		SI	SI
Maximum frequency	Hz	86	86
Protection rating		IP20	IP20
Electrical insulation			

* The number of operators may vary based on the type of application

** Noise level measured according to UNI EN ISO 3744



COMMERCIAL UNITS WITH INVERTER

The commercial units are composed of suction turbine with side channels, cyclonic dust collection separator with filter self-cleaning system, electric panel with inverter for the automatic regulation of the airflow, metal connection fittings and silencer.

The side channel suction turbines can be installed with motor in both vertical and horizontal position. The inclined blade profile of the impellers allows high performance, greater vacuum and air flow, and are equipped with extended voltage motors suitable for worldwide operation. They have a double impeller that guarantees greater stability and a low sound level, due to the greater metal mass and the type of casting (cast aluminum in gravity).

The cyclonic separator of dust collection has a container with a 120 liters capacity, equipped with an electro-pneumatic system for filter self-cleaning, consisting of an autonomous air system, compressor and electric panel with weekly timer. Self-cleaning keeps the filter clean by jets of compressed air along the internal walls of the filter, freeing it from dust that settles in the collecting bag.

TECHNICAL DATA	MODELS	
	595T120AIB	713T120AIB
Characteristics		
Number of users *	5	6/7
Working area	m ² 4000-5000	5000-7000
Self-cleaning	YES	YES
Inverter	YES	YES
Turbine Soundproof box	YES	YES
Metal silencer for air exhaust	YES	YES
Cyclonic Separator		
Container capacity	lt 120	120
Diameter	cm Ø55	Ø55
Filter Surface	m ² 6	6
Input/output diameter	mm Ø100	Ø100
Height	cm 161	161
Width	cm 74	74
Depth	cm 79	79
Weight	kg 100	100

TECHNICAL DATA	MODELS	
	595T120AIB	713T120AIB
Turbine technical data		
Airflow operating at 160 mbar	m ³ /h 720	950
Maximum airflow	m ³ /h 860	1100
Standard set point depression	mbar 160	160
Maximum working depression	mbar 220	240
Maximum depression	mbar 520	550
Maximum noise emission **	dB A < 74	< 74,5
Weight	Kg 62	69
Electrical technical data		
Motor power	kW 9,5	12,6
Power supply voltage	V 400	400
Power supply frequency	Hz 50/60	50/60
Power absorbed	A 19	26,5
Motor thermal protection	YES	YES
Overcurrent protection	YES	YES
Maximum frequency	Hz ≤ 86	≤ 86
Protection rating	IP20	IP20
Electrical insulation		

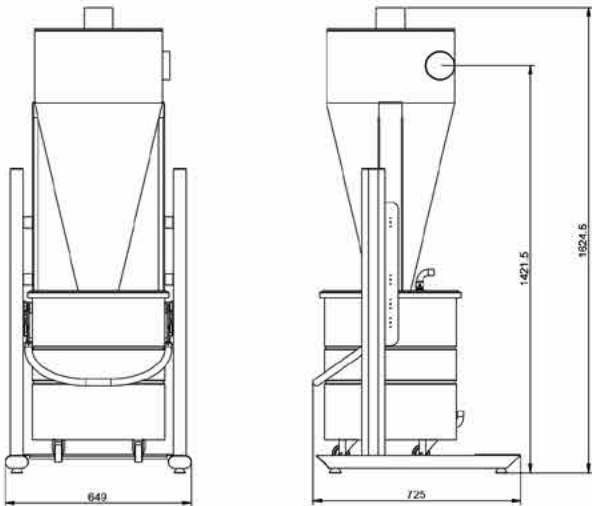
* The number of operators may vary based on the type of application

** Noise level measured according to UNI EN ISO 3744



PRE SEPARATOR VORTEX

- ✓ Filtration efficiency that can exceed 98%
- ✓ Filtration without filter cartridge thanks to cyclonic motion
- ✓ Support frame with adjustable feet
- ✓ Cyclone and powder container in white painted galvanized sheet
- ✓ 90 Liters container complete with release handle and wheels
- ✓ Inlet/ejection X 100 mm
- ✓ Complete with rubber sleeves for connection to the tube mesh



INFINITY WIRELESS INDUSTRIAL SYSTEM



The IWSI system, applicable to implantations with industrial units and monobloc units three-phase and single-phase power, avoids the electrical connection between the suction sockets. This fantastic system allows you to install a central vacuum system wireless in any type of building without limits of distance.

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



The IWSI system consists of a "master" receiver to be connected to the consensus sockets of the framework and one or more "slave" transmitters that will be placed in the various rooms depending on the type of building.

A dedicated 220 V power line will be required for master and slave connection.

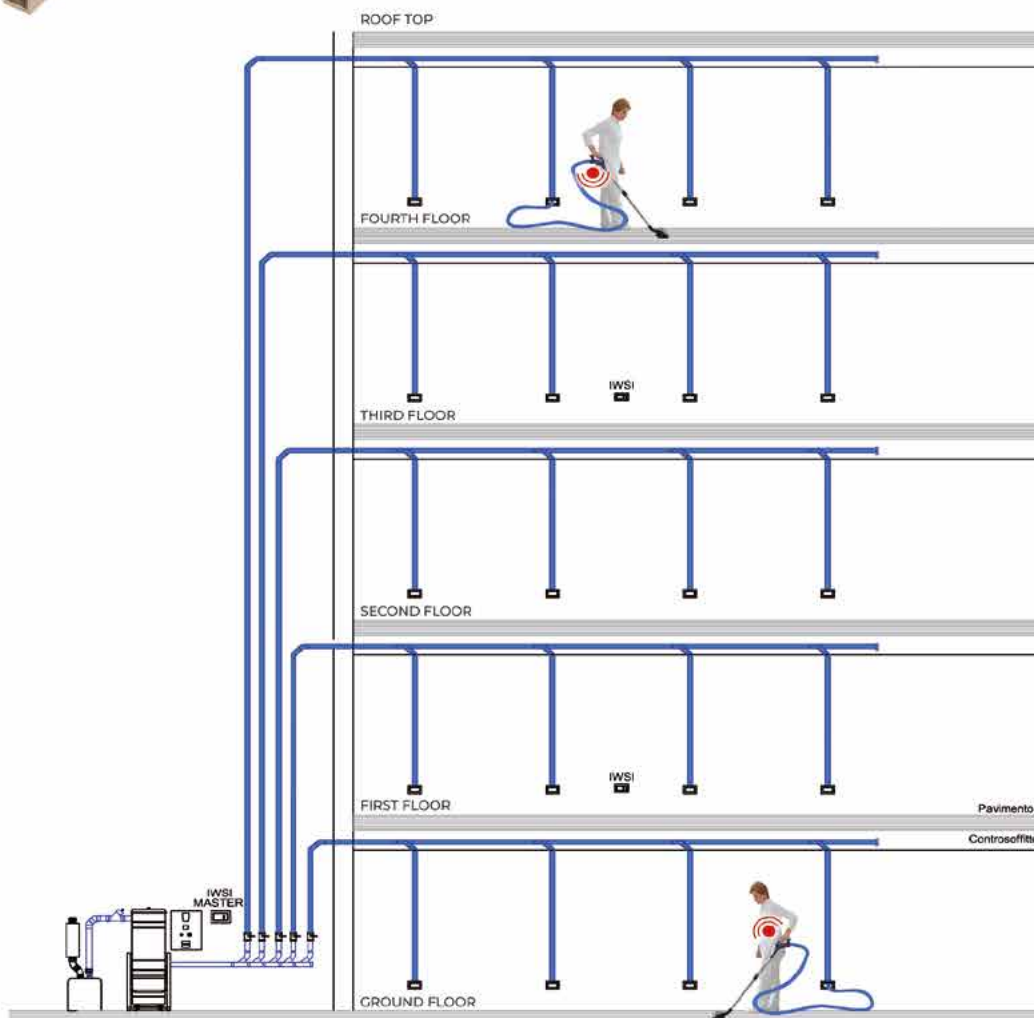
The system will be switched on with the Brava Wireless handle and the inverter will automatically switch it off.

RELAY MODULE 4 OUTPUTS



The relay module allows interfacing with home automation. Through four outputs it is possible to control signals remotely as: ON engine, Generic failure, Container control, Filter control

EXAMPLE OF DISTRIBUTION SYSTEM



Aria-Suite®

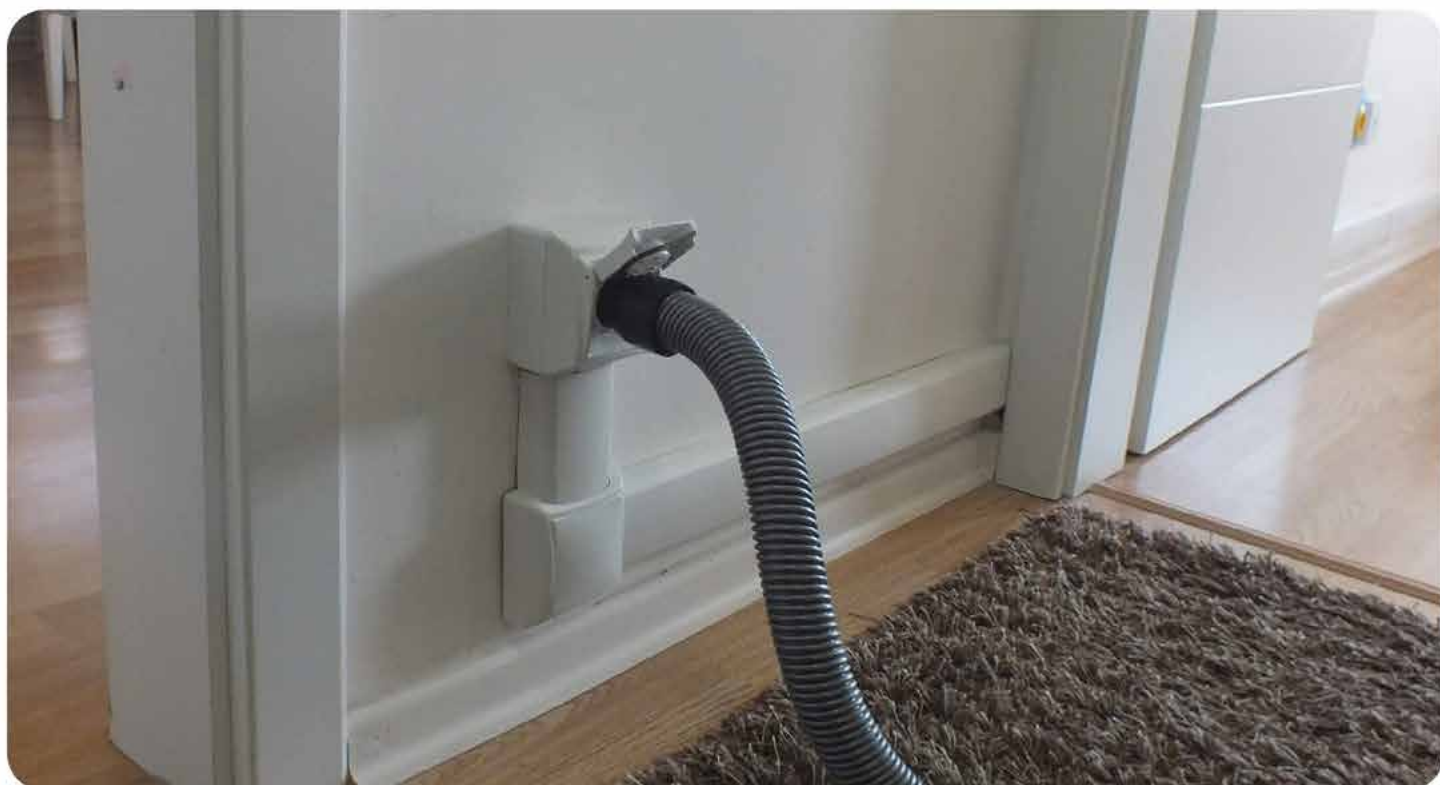
With the "Aria-Suite" system (exclusive General D'Aspirazione patent), it is possible to install a centralized vacuum system in any building already built.

The "Aria-Suite" system can be installed easily and **without any masonry work**, through refined and non-invasive elements.

Thanks to the availability of various finishes, the furnishing elements of Aria-Suite series are harmoniously adaptable to any space.



AVAILABLE CHROMATIC VERSIONS





SPECIAL INSTALLATIONS

Thanks to the easy installation without glue, galvanized steel pipes and fittings are the right choice when special materials, abrasive or electrostatic, must be removed after production. Also in ATEX space, it is possible to use this type of galvanized pipes and fittings, thanks to their electrical conductivity that allows connecting with the grounding of the building, to ensure the highest levels of safety.



GALVANIZED STEEL PIPE



STEEL DERIVATION



STEEL INCREASER



STEEL BEND 45°



STEEL BEND 90°



STEEL PIPE COUPLING



STEEL END CAP



SINGLE ACCESSORIES LINE Ø 32

Various solutions to act with maximum effectiveness in any condition, in any space, on any area, always with maximum comfort. Many accessories are available to expand even more the range of action of the system GDA central vacuum cleaner.



COD 0301015
COMPLETE KIT



COD 0301018
PROFESSIONAL KIT



COD 0411003
TROLLEY FOR ACCESSORIES



COD 04080005
**LIQUID VACUUM CLEANER WITH ASH
CLEANER ACCESSORY**



COD 0401020
BRUSH WITH TWO FUNCTIONS



COD 0401052
BRUSH 40 CM PROFESSIONAL



COD 0401011/1
TURBO BRUSH CARPET CLEANER



COD 0401049
ELECTRIC BRUSH



COD 0401051
BRUSH FOR DUSTING



COD 0401008
LANCE FOR CORNERS



COD 0401006
BRUSH FOR CARS, SOFAS, MATTRESSES



COD 0401004
BRUSH FOR WALLPAPER, CLOTHES, CURTAINS AND SMALL AND MEDIUM SIZED ANIMALS



INDUSTRIAL SOCKETS

They has to be connected directly to the 50 mm pipe.



COD 0524V01

Black industrial socket without micro switch
Ø 32

COD 0524V02

Black industrial socket without micro switch
Ø 38

COD 0524V03

Black industrial socket with micro switch
Ø 32

COD 0524V04

Black industrial socket with micro switch
Ø 38

SINGLE ACCESSORIES LINE Ø 38 CONDUCTIVE ANTISTATIC



COD 0403034

Flexible hose Ø 38 conductive



COD 0405008

Sleeve from flexible hose to socket
Ø 38 antistatic



COD 0401061

Curved plastic handle Ø 38 antistatic
(Ø 38 est. Ø 45)



COD 0401063

Brush for dusting Ø 38 antistatic with horsehair bristles
(Ø est. 45)



COD 0401064

Couple of plastic extensions Ø 38 antistatic
(est. Ø 45)



COD 0401065

Floor brush antistatic Ø 38, depth 40 cm with wheels
(Ø 45)



COD 0401062

Flat nozzle Ø 38 antistatic (int Ø 45)



THE GDA SYSTEM FOR EVERY TYPE OF APPLICATION

The commercial vacuum units prove to be indispensable in all those situations where professional cleaning is a necessity. Suitable for any type of application, hotels, industries, public places, healthcare facilities, etc.





THE HOSPITALITY SYSTEM

A Hotel is certainly the place where the centralised vacuum systems is recognized of fundamental importance to those who use it. The hundreds of achievements in 50 years are the proof of the essential advantages that the centralised vacuum systems brings it:

- absolute hygiene thanks to the expulsion of the air outside the hotel
- reduction of cleaning time by over 30%
- operation at any time thanks to the total absence of noise
- reduction of management costs also when outsourcing cleaning





THE SYSTEM FOR HEALTH

The most demanding environments in terms of hygiene need to act in depth, with strong and at the same time smooth manners. Noise must be avoided, but there are as to be cleaned in a radical way, staff must pass frequently, but without deteriorating equipment and furnishings. Moreover thanks the centralised vacuum systems the risks of air contamination are avoided thanks to the expulsion of the air sucked outside the structures. Cleaner and sanitized environments.





THE SYSTEM FOR ART AND EDUCATION

Kindergartens, schools, universities, churches, libraries are considered sensitive structures given the high flow of people who frequent them. This requires the adoption of preventive and ordinary measures to limit pathogens carried through dust. Putting the air we breathe at the center is the fundamental step to redevelop and design schools safely.





THE SYSTEM FOR PUBLIC PLACES

Living in clean, healthy and pollutant-free environments is a right. Cleaning plays a fundamental role in spaces with a high flow of people. With the centralized dust extraction system you have the certainty of total cleanliness and hygiene, this does not happen with the use of portable systems.

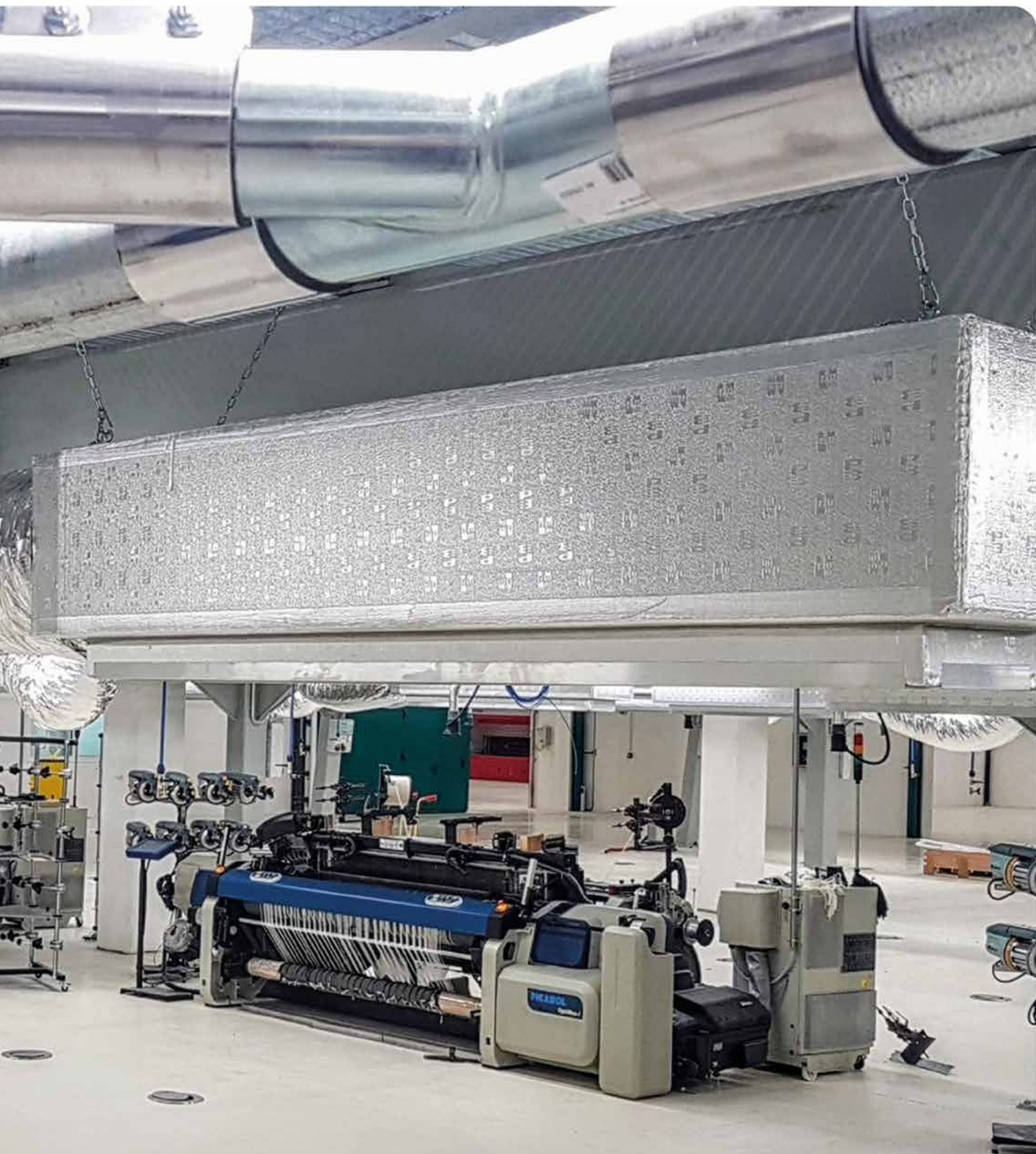




THE SYSTEM FOR THE FOOD INDUSTRY

Flours, hot ovens and crumbs will no longer be a problem thanks to the centralized vacuum system. Special systems serving the food industry. In food processing, hygiene is fundamental, the centralized system is always ready to offer maximum hygiene quickly and easily, with a series of accessories that allow use in any situation.





THE SYSTEM FOR THE MANUFACTURING INDUSTRY

The centralized system allows manufacturing industries to maintain healthy working environments, to best carry out production activities. There are many aspects to know, to improve the quality of the air and the cleaning of these environments.



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