

the dust changes air



**GENERAL  
D'ASPIRAZIONE**®

IMPIANTI ASPIRAPOLVERE CENTRALIZZATI





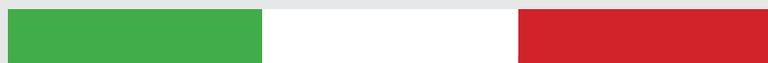
## Since 1974 innovations to save time and effort

The story of General D'Aspirazione started in 1974, when its founder 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, christened General D'Aspirazione has become an established reality in every health conscious living place – from the kitchen to the bedroom.

General D'Aspirazione works every day at your service with one important mission: to improve the air we breathe and have more time for ourselves by offering a highly sophisticated and efficient central vacuum cleaner system that is nothing less than path breaking amidst the current genre of cleaning mechanisms.

The company over time has managed to combine the enthusiasm, energy and passion of a family; today Chiara, Claudia and Matteo guide the company focusing on the ambitious objective of continuous innovation to an already sophisticated, technically superior product that has earned the favour of a country and today the world.



TOTALLY MADE IN ITALY

## ■ ■ ■ Why choose the GDA Central Vacuum System?

The General D'Aspirazione central vacuum system is indispensable to obtain environments cleaner in every aspect but in less time and with much lesser effort. The central control unit is placed in the service area, which is an out of sight out of mind location in the residence, thus eliminating the main challenge of the traditional system – blowing back the dust that evades its filter into the same just vacuumed environment.

An extremely simple operating system – all one needs to do is to insert a hose into a socket distributed conveniently in various rooms of the residence to clean and vacuum hard dust, liquids, dust mites and bacteria.

This is the ideal system for maximum hygiene in your home where, even with frequent cleaning the life of furniture, walls and other upholstery does not suffer.



Total Hygiene



Save time



Noiseless



Energy saving



Practicality and safety



Versatility of use



Ease of maintenance

▶ The air aspirated from various rooms in the residence is filtered and expelled outdoors from your home ensuring the total elimination of microdust mites and bacteria.

▶ With the GDA system you will not feel the annoying motor noise of the vacuum cleaner, as the control unit is soundproofed and placed in the service area – out of sight!

▶ The suction hose with size recommended to suit your home plan will help to reach areas not easily accessible with traditional systems.

▶ The switching on and off of the vacuum system is directly from the handle using wireless technology

▶ The System can be switched on and off depending on usage hence saving power consumption compared to portable systems. The GDA control units consuming only 1 watt in standby.

▶ Maintenance is almost non-existent. Periodic replacement (2-4 months) of the dust collection bag placed inside the container is sufficient. The filter is cleaned by a self-cleaning system, present in the Total series.

▶ It is suitable for all types of surfaces: smooth floors, parquet, moquette, upholstery, etc  
Vacuuming is generally correlated with Dry Vacuuming only, but GDA systems add exemplary value by vacuuming all liquids from the floor through prescribed accessory - the Liquid aspirator that is especially useful in small domestic jobs



## ■ ■ ■ Certification

 <p>Company with certified Quality System UNI EN ISO 9001: 2008</p>	 <p>Degree of electrical insulation class II</p>
 <p>Marking of conformity with European Community directives (inlets and central units)</p>	 <p>For pipes Ø 50 - Ø 63 - Ø 80 - Ø 100</p>
<p><b>CB Certificate</b> for central Monoblock</p>	 <p>For fittings Ø 63 - Ø 80 - Ø 100</p>
<p><b>BIA</b> Certification of the filters</p>	<p><b>ABS</b> For fittings Ø 50</p>

## ■ ■ ■ Company partner



## ■ ■ ■ Patents

Our central vacuum cleaner system are covered by exclusive patents , which further improve the product and make it unique in the Italian and world market.

Patent Infinity Wireless System: Control system for central vacuum, management on and off with a wireless system combined with conveyed wave

Patent Dea series suction inlets for a convenient openings from bottom to top

Patent socket frame for immediate testing of the system

Patent Aria-Suite : the Aspirarredo system installed without building works by channeling external sight.

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	Inlets Dea series, Quadra series inlets, Semiautomatic classic series, Industrial suction inlets, electrical connections for system with wires		
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	Socket frame, general characteristics, electrical material, glue, installation and testing tools, how to install the residential, system's example, how to execute the test		
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	Brava handle, working hose, accessories kit, single accessories, Liquid aspirator, Ash aspirator		
■	<b>IWSI: INDUSTRIAL INFINITY WIRELESS SYSTEM</b>	pg. 20	pg. 39
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## Hygiene and wellness!

The word "Wellness" is born from the union of the two terms "well" and "be", a concept that expresses the aspiration to "feel good" not only about we as a person but also about the environment we live in. Wellness is an active process of becoming aware of and making choices towards a healthy and fulfilling life and hence the hygiene of the environment we stay and work in is an integral part of this equation. Attention to the wellbeing of the environment and not just the person is a definite step towards a better quality of life.

Today's modern world wants to be characterized by exclusivity in comfort, and to achieve the highest standards in terms of hygiene and wellness, the central vacuum system is of fundamental importance.

With GDA you invest in not just a product but a new lifestyle that is oriented towards a system that offers greater wellness, hygiene, efficiency, quietness, practicality and design with ergonomic comfort.

The GDA central vacuum system eliminates the main challenge of the traditional system – blowing back the dust that evades its filter into the same just vacuumed environment. Thus obtaining the total elimination of micro dust, mites and bacteria.

THE PRODUCT General Vacuum is a Centralized Vacuum system. The "Main control unit" can be installed in a Service room and linked to the suction units distributed across various location in the building through wireless technology (similar to electrical and plumbing).

The Network of Vacuum pipe lines is installed either under the floor or dropped through the wall from false ceiling. The Pipes are made of PVC specially characterized to be antimicrobial and anti fungal in nature.

In order to activate the system, a light flexible hose is inserted into the suction points and operated through a wireless handle.

All dust, dirt, mites and bacteria from every surface is sucked in through the pipes into the bin in the main unit. The effective vacuuming will also result in sucking away any foul air in the space.

The Motor in the Control unit has Cyclonic motion that deposits the dust in the bottom of the air tight bin while the Micro dust mites and bacteria are filtered and expelled outside the building through the exhaust.

**TOTAL HYGIENE** The current benchmark of a clean environment is the visible absence of dust, dirt and stains. The GDA system redefines the cleaning paradigm by removing even the tiniest of dust mites (less than 6 micron size) that are infectious in nature from your environment promoting fresh air exchange and improving interior air quality. Our European customers who are professional hoteliers since 1974 famously say that, "to smell the clean before you have to remove the dirt". Which means one should be able to smell the cleanliness before seeing it.

For them it is a "PRESTIGE POINT". When a customer sees the Hotel do the cleaning with a central vacuum system (which they may have already at home), they understand that they will never find an environment more clean.





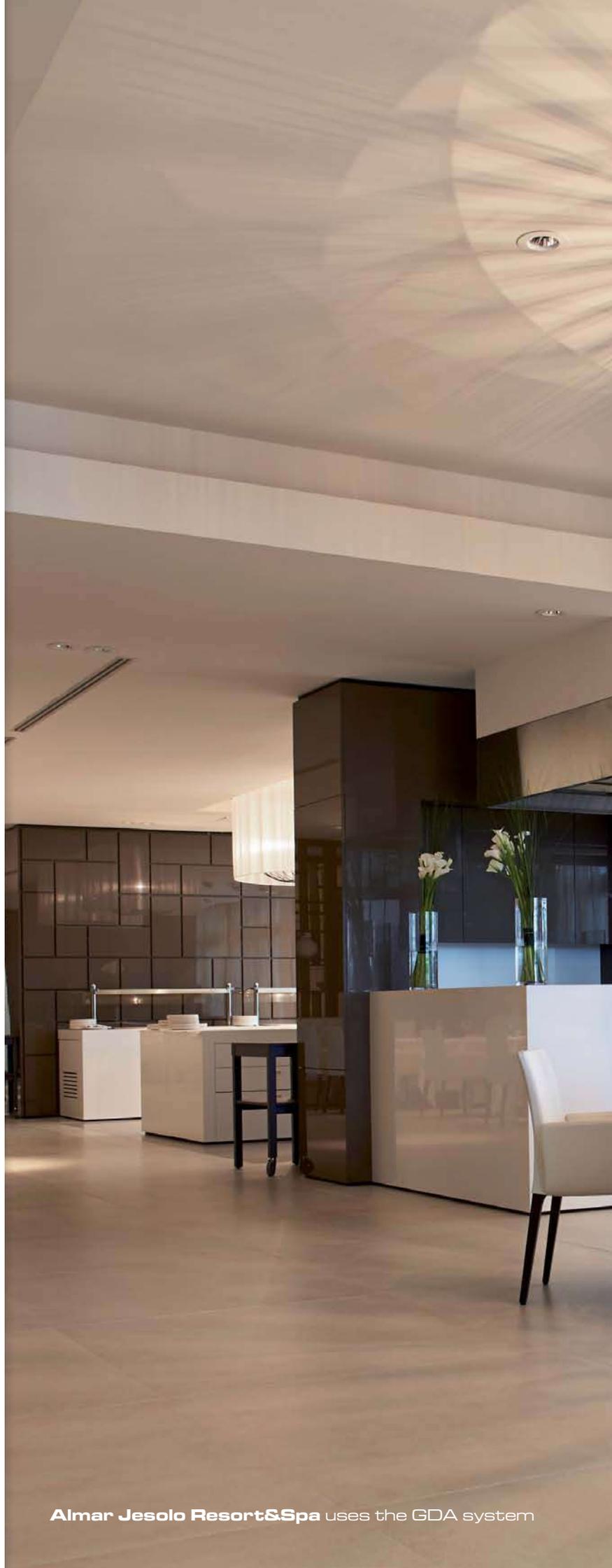
## ■ ■ ■ Efficacy

Real cleaning and effectiveness in any environment is the expulsion of the air outside of the structure. The superior suction force in the GDA system (higher than any portable vacuum cleaner) guarantees the removal of all traces of dust, dirt, bacteria and germs from any surface. And since the GDA system is capable of multi-tasking (from a hard floor to a carpet floor and lobby area to the washrooms), it achieves this with greater efficiency with fewer resources devoted to cleaning, thus leading to saving power consumption related to cleaning equipment and freeing workforce time.

Reduced environmental impact and energy savings are critical for the workplace of today like never before, given this situation only a GDA system can guarantee energy savings and reduced environmental impact through its superior cleaning technology. In terms of innovation, longevity and exclusivity only a company with over 40 years of experience is able to offer.

For the GDA system the kind of surface never poses a restriction – whether it is granite, wood, upholstery of chairs, curtains, moquette, carpets and mattresses, the General D'Aspirazione system has all kinds of innovative accessories to clean them.

With continuous innovation, the GDA system has mastered the art of cleaning anywhere, with special extensions it is possible to clean even longer distances and reach out to higher levels without the use of the scale. Even to the cracks of the shutters, air conditioners and modules of radiators.





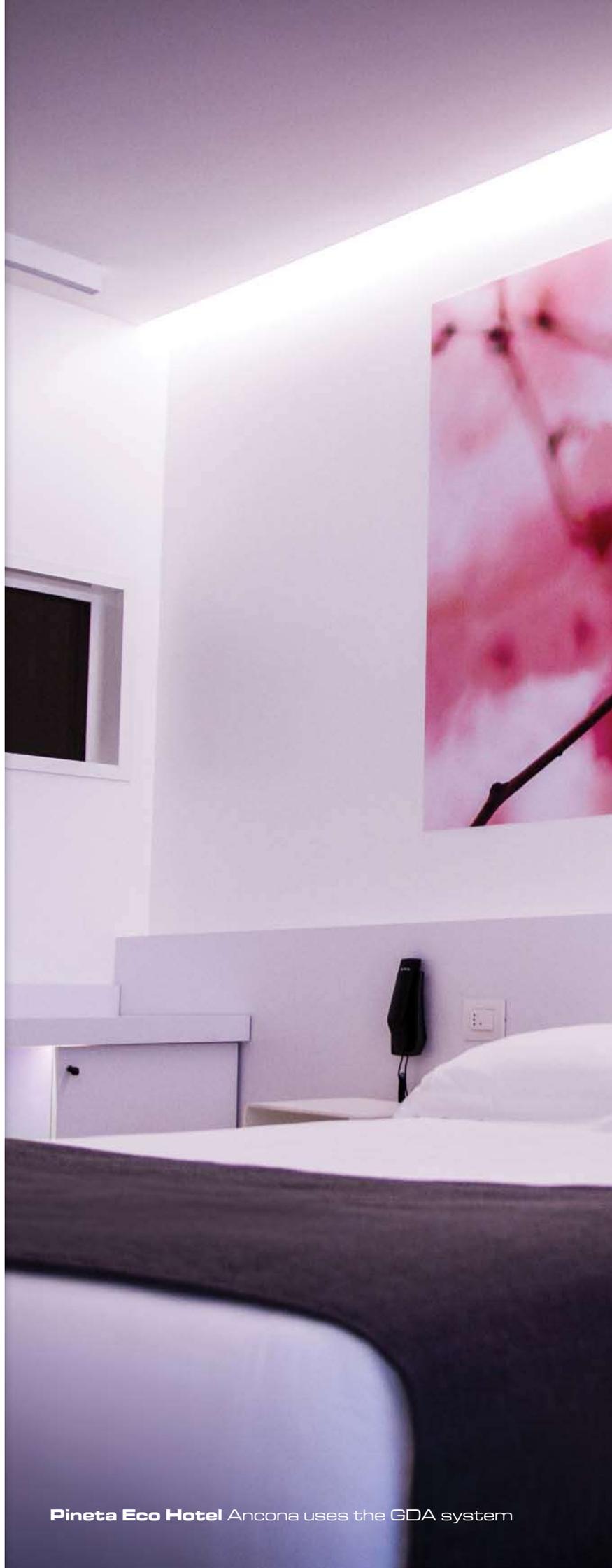
## ■ ■ ■ Noiseless

Quite often we are so used to background noise in the environment that we do not even realize there can be a choice. The GDA system offers an unparalleled benefit of ensuring a peaceful and tranquil environment to its clients, "ACOUSTICAL COMFORT" is an exclusive feature of the advanced GDA cleaning system.

We are able to achieve this because the control unit is placed in the service area, the motor noise is never heard inside the building.

This feature gives the freedom to decide the cleaning schedule of the facility based on economic and manpower considerations not affected by a guest resting or a meeting in progress or a team working to meet a target.

The GDA plants guarantee ABSOLUTE SILENCE because for General D'Aspirazione silence is golden. Not constrained by limited time and having a system that allows you to do it in less time means improving housekeeping ability of the entire facility, reaping economic benefits.





## ■ ■ ■ The Design: the socket inlets

Technical Sheet and Product Codes page. 40

### TOTAL ADAPTABILITY

Dea series inlets are adaptable to the main brands of electric plaques integrating to any style of furnishing.

### FURNISHING.

#### FUNCTIONALLY AND PRACTICALITY

The Ergonomic design of the Suction point Access Flap which opens upto 180 Degrees (Patented Design of GDA) facilitates easy plug in of the hose. And this is made available with electric cables or without for wireless systems.

#### TEN YEAR OF WARRANTY

Dea series inlets produced by General D'Aspirazione are waranteed for 10 years, without any additional cost.



Total adaptability...



Protected Version



Inlet opening with key, in order to give further protection in public places.

## ■ ■ ■ Baseboard aspirator

Technical Sheet and Product Codes page. 44

### MORE FUNCTIONALITY OF THE SYSTEM

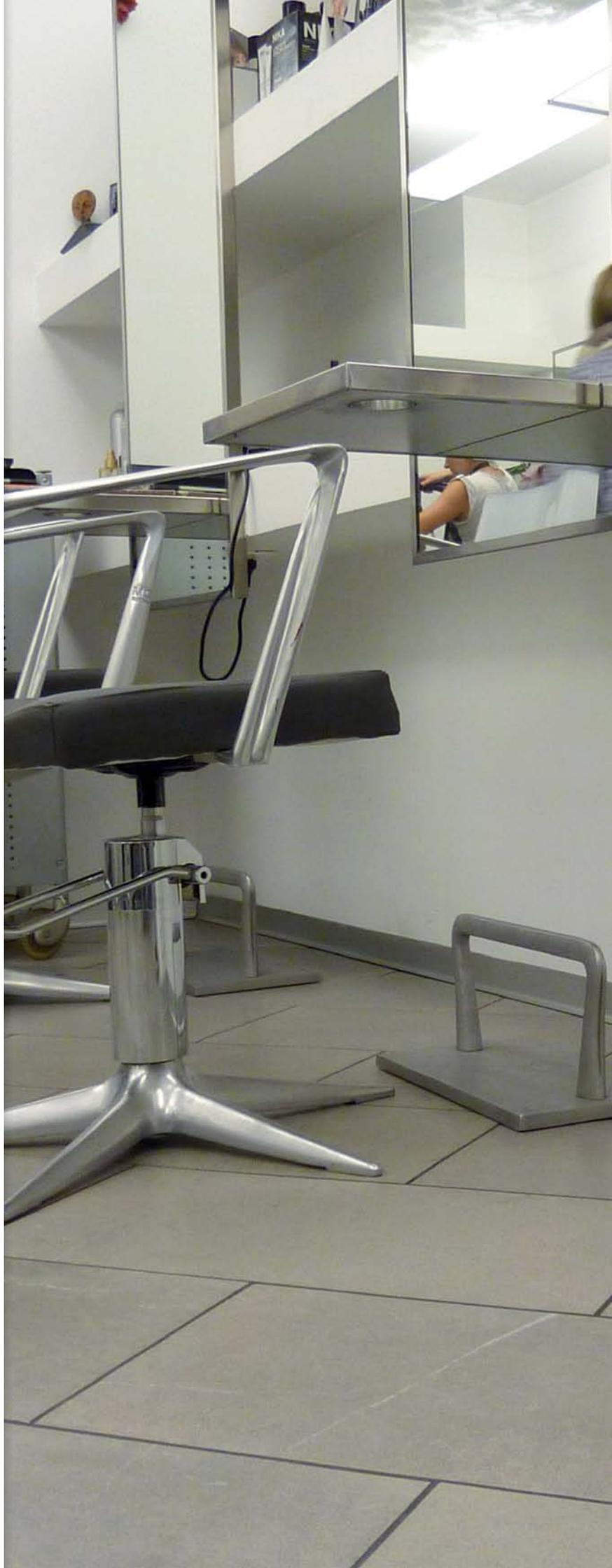
The inlets baseboards installed at floor level comes in handy for suction of small objects for e.g., in a hair salon/ Spa or the office cafeteria

### EASE OF USE

It is even possible to vacuum small waste without the use of the flexible hose.

### VERSATILE DESIGN

A linear design and three colors (white, black, aluminum) makes the baseboard aspirator adaptable to any style of interior decoration done.





## ■ ■ ■ Components

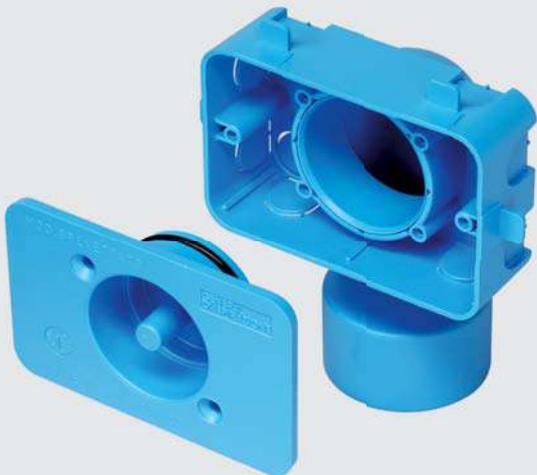
Technical Sheet and Product Codes page. 46

### COMPONENTS

All components required to put together the network are manufactured exclusively for supporting this high vacuum pressure suction and the internal design coupled with well researched installation methodology delimit any clog formation or blockages in the plaster Saving Cover: This feature allows the installers to double check the quality of work done, by testing the pressure ahead of final finishing. This methodology is again a patented design of GDA.

Further warranty is the socket frame with plaster-saving cover, hermetically sealed, "exclusive patent" of GDA that guarantees a perfect testing of the whole system before laying floors. This feature ensures that there aren't any air leaks in the piping saving unnecessary hassle on a later date.

Plaster-saving cover, "patented" system for testing





## ■ ■ ■ Practicality: Just a flexible pipe and many accessories

Technical Sheet and Product Codes page. 28

The GDA system comes with an array of amazing accessories to ensure effectiveness in the cleaning of every surface and any environment.

The versatility of the accessories allows the aspiration of many types of waste, including liquid and ash.





# ■ ■ ■ IWSI Industrial infinity wireless system

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## TECHNOLOGICAL INNOVATION

The Infinity Wireless System (IWS) is a modern patented device that allows the switching on and off of the system directly from the Brava Wireless handle, integrating the traditional system to radio waves (wireless) with the system to “conveyed waves”.

The advantage that this product provides is the complete elimination of electrical cables in the installation this simplifies the whole system and gets the job done first time right.

## VERSATILITY OF INSTALLATION

The IWS system is applicable to all plants with control unit both three-phase and single phase

## EXTRAORDINARY FUNCTIONALITY

Thanks to IWSI system, today you can install central vacuum systems with remote-controlled ignition in any type of construction without the limitation of distance between the suction point and the control unit.





# ■ ■ ■ Inverter Central Monoblock

Technical Sheet and Product Codes at page. 36

## FOR ONE OR FOUR SIMULTANEOUS USERS

### MINIMAL AMOUNT OF SPACE

The Central Monoblock includes in a unique corps design, technology and performance a system of inverter in all models resulting in low power consumption

### VERSATILITY OF USE

Ideal for environments with surface up to 2,000 square meters, the Central Monoblock is prepared for the operation of one or two simultaneous users.

### SELF-CLEANING OF FILTER

The Central Monoblock can be equipped with the self-cleaning filter, which guarantees a constant efficiency over time, reducing maintenance time.

### EASE OF INSTALLATION

It's enough connecting the hose of input and output of the air and the plug supplied to the electric socket to switch on the unit.





**GDA**<sup>®</sup>  
PIANTI ASPIRAPOLVERE CENTRALIZZATI

## ■ ■ ■ Inverter Industrial Units

Technical Sheet and Product Codes at page. 38

### FROM 2 TO 7 SIMULTANEOUS USERS

#### MAXIMUM POWER

The Inverter unit is equipped with a variable frequency drive motor of great power, with an ability to support the cleaning for industrial environments and large surfaces upto 15,000 square meters.

#### MULTI OPERATOR

Depending on the area extent, the main control unit is recommended with 2/3/4/5/7 simultaneous users in different floors of the same building or different circuits in the same floor

#### LOWER CONSUMPTION

The inverter allows a reduction of up to 50% of power consumption, by varying the speed of the main control unit on the number of users who connect simultaneously. Which means the machine runs at its peak power only when all designated users are logged in simultaneously.

#### SELF-CLEANING SYSTEM:

Usually the filter in the main unit of any vacuum cleaner needs periodic maintenance to ensure efficient performance of the machine. The GDA system offers an option of auto/self cleaning this filter. An automatic program of cleaning can be set electronically wherein the machine drives in reverse pulse of air into the filter to carry out self cleaning. It is important to note that it will last for approximately 20 minutes and during this period the machine should be in rest.







**Argentario Golf Club**  
Porto Ercole (Grosseto)

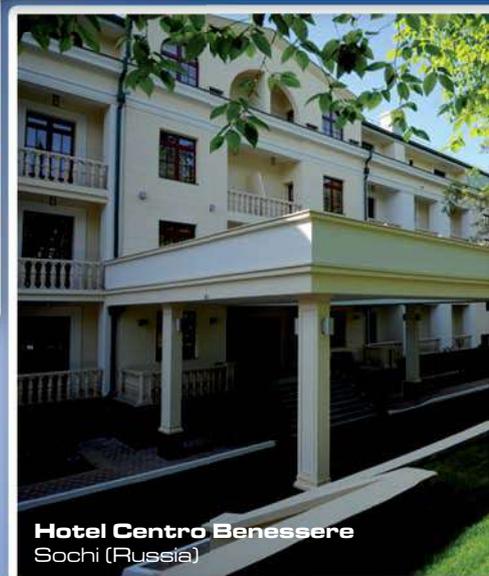


**Armani Boutique** Parigi (Francia)

**Tag Hotel** Fano



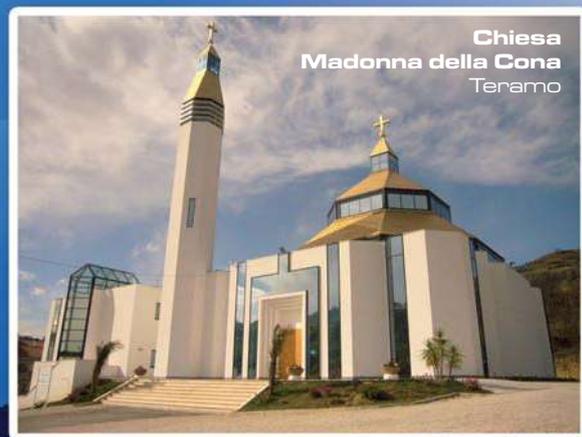
**Titano Hotel** RSM



**Hotel Centro Benessere**  
Sochi (Russia)



**IMPIANTI ASPIRAPOLVERE CENTRALIZZATI**



**Chiesa**  
**Madonna della Cona**  
Teramo

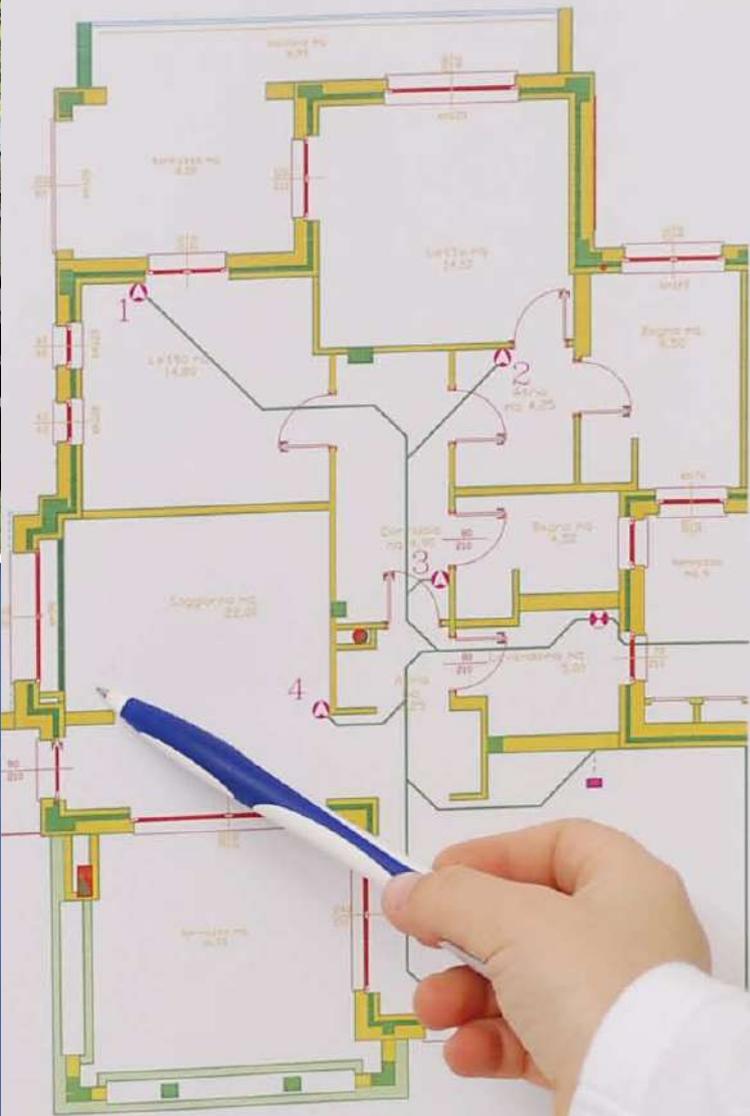


**Villa Maria Cecilia Hospital** Cotignola (RA)



**Hotel Therme** Merano (BZ)

# Technical Sheet and Product Codes ■ ■ ■



# Accessories

## BRAVA HANDLE

Brava handle available in two versions:

**Brava Wireless** with integrated remote control to turn system on and off;

**Brava Basic** for systems without wireless.

### ERGONOMIC, MANAGEABLE, HIGH ESTETIC PROFILE

Brava is designed to be manageable, comfortable and robust, combining high technological standards on all Italian design and a production made in Italy. That follows you whenever you need it.

### WIRELESS INTEGRATED FOR ON AND OFF

Brava is the handle wireless that you can apply to a centralized vacuum system without electrical connection between the suction inlets. All the technology of the GDA system is contained in Brava and you manage it by pressing a button anytime without removing the pipe's into the inlet, to have maximum freedom in managing your time and your desires.



0412020

Brava Wireless Handle



0412025

Brava Basic Handle



## WORKING HOSE



0301035

Working hose brava wireless from 6m chrome swivel coupling.



0301036

Working hose brava wireless from 8m chrome swivel coupling.

0301030

Working hose brava basic from 6m chrome swivel coupling.

0301031

Working hose brava basic from 8m chrome swivel coupling.

In order to act with maximum efficiency in any condition, ambient, on any surface and space and always with the maximum comfort, we offer various solutions. Many useful accessories available to widen even more the range of action of the GDA centralized vacuum cleaner system.

## ACCESSORY KIT



### 0301011

#### MEDIUM KIT with:

Articulated dusting brush; Upholstery and clothes brush; Radiators brush; Car brush; Nozzle for corners; Two - function 27 cm brush; Accessories holder support; Chromed notched steel telescopic extension; Support accessory holder basket with pipe hanger.



### 0301012

#### FULL KIT with:

Two-function brush 27 cm; Articulated dusting brush; Upholstery and clothes brush; Radiators brush; Car brush; Nozzle for corners; Wheeled-floor 37 cm brush; Accessories holder support; Chromed notched steel telescopic extension; Parquet brush spare felt accessory holder basket with pipe hanger.



### 0301016

#### HOTEL KIT with:

Accessory holder basket with pipe hanger; Two-function brush 30 cm; extension chromed steel couple; Articulated dusting brush; Nozzle for corners; Upholstery and clothes brush; Flexible pipe 8 m cover stocking.

SINGLE ACCESSORIES Ø 32

0409035

Two-function floor - carpets - moquette 27 cm brush mod. G05



0401001

Two-function floor 30 cm with protective skirting



0409040

Parquet brush for mod. G05



0409036

Parquet base Plate for mod. G05



0401009

Wheeled floor 30 cm brush



0409037

Mop base for mod. G05  
(cleaning hard floors: ceramic, terracotta, marble...)



0401002

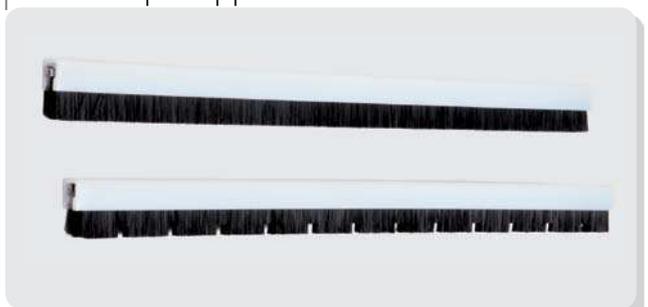
Wheeled floor 37 cm brush



Spare strip

0912004 Couple strip parts for 37 cm brush

0912006 Couple strip parts for 36 cm brush



## SINGLE ACCESSORIES Ø 32

0401011/1

Rotating bristle carpet sweeper and moquette wheeled turbo 28 cm brush



0401010

Turbo brush CAT (performance comparable to electric brushes, for short-pile carpets and rugs)



0401003

Brush for dusting



0401004

Upholstery, clothes, curtains, small and medium size animal brush



0401005

Radiators brush  
(to couple with the nozzle for corners 0401008)



0401006

Car, mattress and sofas brush



0401031FR

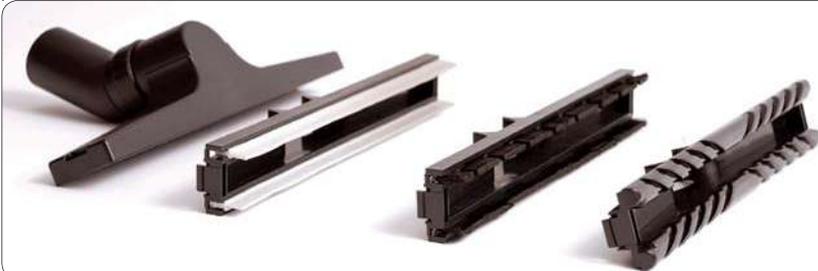
Combined dusting and car brush



SINGLE ACCESSORIES ø32

0409012

Multi use brush complete with 3 inserts



0409013  
Water insert

0409014  
Floor insert

0409015  
Carpets and moquette insert

0401008

Nozzle for corners



0401046

Flexible nozzle 50 cm, with brush 15 cm (cleaning radiators and small spaces that are not achieved with other accessories)



0401018

Rubber industrial special cone nozzle



0401029

Special rubber flat nozzle Ø 32



0401032

Upholstery mini-turbo 16 cm brush



0401016

Pipes, beams and fans brush



0401045

Clothes brush usable even if not connected to the system



## SINGLE ACCESSORIES Ø32

0401041

Animal brush with 20x11 cm bristle

0401042

Animal brush with 20x11 cm fine comb brush

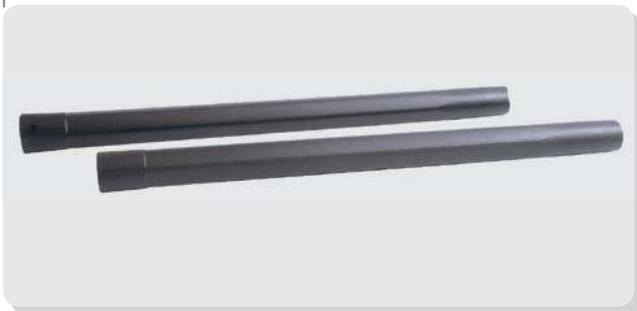
0401043

Animal brush with 20x11 cm medium comb



0412004

Plastic extension couple



0402001

Extension chromed steel couple



## Cover stocking Flexible pipe

0410007 Flexible pipe 6 and 8 m cover stocking

0410002 Flexible pipe 10 m cover stocking



0402003

Chromed notched steel telescopic extension



0402015

Telescopic plastic extension



## Space savin bag

0414000 40x60 cm - 0414001 60x90 cm - 0414002 70x120 cm



## SINGLE ACCESSORIES

0405013

Piping plug connector coupling cromed revolving



0405002

Coupling connection for extension



0401050

Accessories holder support



0407006

Flexible pipe plastic support



Flexible pipe

0403001

Flexible pipe Ø32 (length 18 cm)  
excluding fittings

0403001-2

Flexible pipe Ø32 (length 2 m)  
excluding fittings

0403001-4

Flexible pipe Ø32 (length 4 m)  
excluding fittings

0403001-6

Flexible pipe Ø32 (length 6 m)  
excluding fittings

0403001-8

Flexible pipe Ø32 (length 8 m)  
excluding fittings

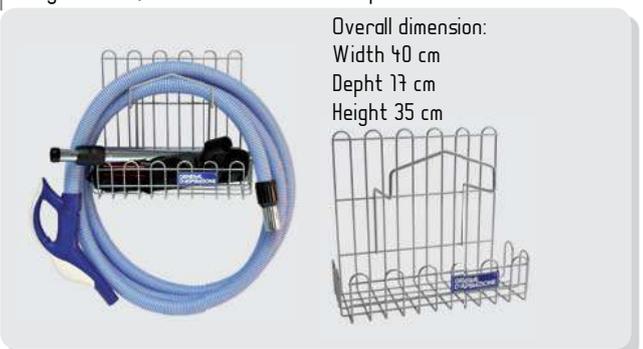
0403001-10

Flexible pipe Ø32 (length 10 m)  
excluding fittings



0407003

Plasticized steel accessory holder basket with pipe hanger. Done in light metal, is recommended to keep the accessories in order.



Overall dimension:  
Width 40 cm  
Depth 17 cm  
Height 35 cm

## ACCESSORIES CARRIAGE



Overall dimension:  
Width 56 cm  
Depth 67 cm  
Height 90 cm

**0410003**

Accessories carriage. Facilitates the transport of all the accessories even of the bulkiest as the liquid aspirator.

## LIQUID ASPIRATOR/ASH ASPIRATOR

This precious accessory is necessary in many situations of everyday life, its great ease of use makes it pleasant to wet vacuum all types of liquids from the floor. Cleans all types of flooring. Using a little water and detergent, it sucks even the hardest dirt as in public places, kitchens, bathrooms, outdoor areas, etc... Wet mopping is taken care of.

Also useful in small emergency plumbing tasks, it can unblock the sink without a call to the plumbers. The Liquid aspirator has an inbuilt antifoam, automatic patented device which stops the suction when the container is full to avoid damaging the network of pipes and the filter at the end. The Container is made of Polypropylene, resistant to impact, heat and acids and a Recyclable material.



**0408005**

Liquid aspirator with accessory ash capacity 23 L

Complete with:

- Brush cleaners 37 cm
- Pair of extensions in plastic
- Suction filter ash

(we recommend the use of dedicated work with tube)



# Inverter Central Monoblock

## CENTRAL MONOBLOCK

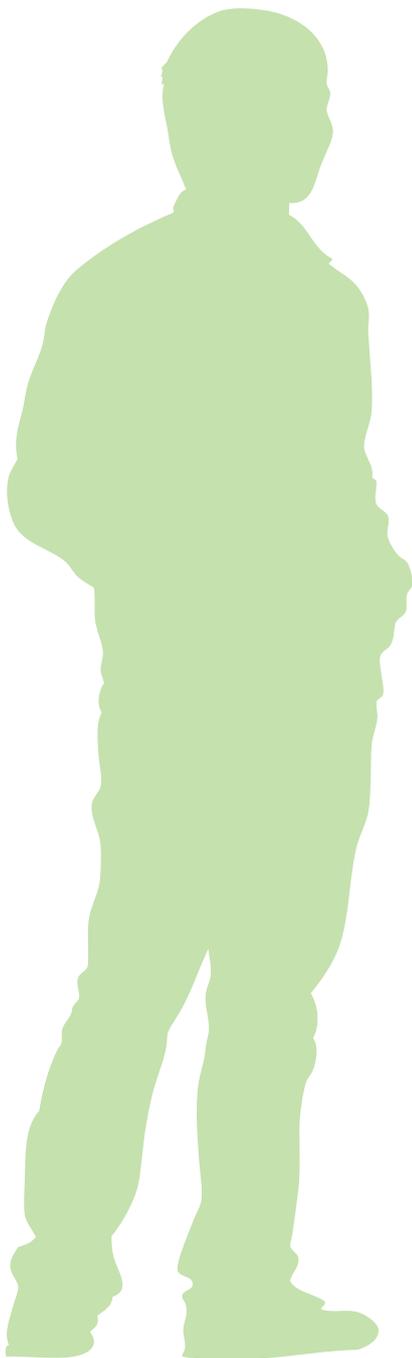
The continuous search for excellence and innovation in the field of commercial/ industrial cleaning and has created the new "Central Monoblock" which has a unique corps design technology that offers superior performance, lower power consumption and high filtering capacity.



TECHNICAL DATA	MODEL							
	CM126M	CM126MA	CM126T	CM126TA	CM238T	CM238TA	CM350TA	CM469TA
Number of user	1	1	1	1	2	2	3	4
Work Area (m <sup>2</sup> )	600 - 1000	600 - 1000	600 - 1000	600 - 1000	1000 - 2000	1000 - 2000	2000 - 4000	3000 - 5000
Self-cleaning	NO	YES	NO	YES	NO	YES	YES	YES
Max air capacity (m <sup>3</sup> /h)	350	350	350	350	460	460	530	680
Work air capacity 160 mbar (m <sup>3</sup> /h)	200	200	200	200	340	340	400	530
Working depression (mbar)	160	160	160	160	160	160	160	160
Max noise (dB A)	59	59	59	59	62,5	62,5	66	67
Internal soundproof	YES	YES	YES	YES	YES	YES	YES	YES
Motor power (KW)	2,2	2,2	2,2	2,2	4,2	4,2	5,0	6,9
Power supply (V)	230	230	400	400	400	400	400	400
Inverter	YES	YES	YES	YES	YES	YES	YES	YES
Thermal motor protection	YES	YES	YES	YES	YES	YES	YES	YES
Overcurrent protection	YES	YES	YES	YES	YES	YES	YES	YES
Absorption (A)	6,7	6,7	6,7	6,7	9,7	9,7	12	15,6
Dust container capacity (l)	90	90	90	90	90	90	155	155
Diameter (cm)	46	46	46	46	46	46	55	55
Surface filter (mq)	2	2	2	2	2	2	3,6	3,6
Diameter air input/output (mm)	63	63	63	63	63	63	80	80
Height (cm)	178	178	178	178	178	178	198	198
Width tot. (cm)	70	70	70	70	70	70	79	79
Depth tot. (cm)	85	85	85	85	85	85	99	99
Weight (kg)	104	112	104	112	104	112	159	166

(\*) Noise detected in according with regulation UNI EN ISO 3744

<b>1</b> Turbine	<b>3</b> Inverter	<b>5</b> Locks bag system	<b>7</b> Suction
<b>2</b> Self-cleaning system	<b>4</b> Filter	<b>6</b> Handle release dust container	<b>8</b> Expulsion



# Inverter Industrial Unit

## INVERTER UNIT

With air flow automatic adjustment inverter system to one or more motors

The industrial vacuum control units are composed of: Automatic regulation system of air flow inverter, Suction turbine to lateral channels, Cyclonic separator for dust collection, Electrical panel with inverter, Connection fitting and steel silencer.

It does not include the power cable and other connection accessories like the Circuit breaker. Determine the differential before the framework with current 0,3 A

## LATERAL CHANNEL SUCTION TURBINES

The main control panel can be installed in both vertical or horizontal positions.

The new profile inclined blades ensures high level performance through higher depression and air flow.

These are equipped with motors compatible with a wide voltage coverage making them universally applicable

The frequency can be electronically adjusted to alter the suction pressure offered by the machine.

Double rotor guarantees major stability. Low sound levels, owing to the metallic mass build and the type of joint (aluminium melted in gravity). Ensures better acoustics.

## CYCLONIC SEPARATOR OF DUSTS COLLECTION

Dust container capacity 90 and 155 liters with self-cleaning filter electronic system.

The self-cleaning filter electronic system, composed of an independent air plant, a compressor and the electronic panel with weekly timer, keeps the filter clean by compressed air blows along its internal walls, freeing it from powders settling in the dust bag. Centralized vacuum cleaner maintenance system is so reduced to a simple emptying of the bag placed inside the container. It is no longer necessary to ensure the manual filter cleaning by an operator. In this way you will get the most consistent performance over time from the suction turbines.



## INVERTER VACUUM CONTROL UNITS

With air flow automatic adjustment inverter system to one or more motors.

INVERTER VACUUM CONTROL UNITS	350T90AIB	469T90AIB	595T155AIB	713T155AIB
Number of user	3	4	5	6/7
Work Area (m <sup>2</sup> )	2000 - 3000	3000 - 4000	4000 - 5000	5000 - 7000
Max air capacity (m <sup>3</sup> /h)	530	680	860	1150
Air capacity in work	400	530	720	950
Working depression (mbar)	160	160	160	160
Inverter	YES	YES	YES	YES
Thermal motor protection	YES	YES	YES	YES
Overcurrent protection	YES	YES	YES	YES
Silencer	YES	YES	YES	YES
Soundproof box	YES	YES	YES	YES
Noise (db)	<69,5	<72	<74	<74,5
Diam. expulsion input/output (mm)	80	80	100	100
<b>Turbine</b>				
Max motor power ( kW)	5	6,9	9,5	13
Power supply (V)	400	400	400	400
Absorption (A)	12	15,6	22	27,5
Weight( kg)	36	43	136	145
<b>Cyclonic separator</b>				
Dust container ( l)	90	90	155	155
Surface filter (mq)	4,3	4,3	6	6
Self-cleaning	YES	YES	YES	YES
Diameter ( cm)	46	46	55	55
Height (cm)	170	170	180	180
Width (cm)	70	70	79	79
Depth (cm)	80	80	85	85
Weight (kg)	85	85	100	100
Diam. air input/output (mm)	80	80	100	100

(\*) Noise detected in according with regulation UNI EN ISO 3744

# Industrial infinity wireless system ( iws )

## APPLICATION OF IWSI SYSTEM

In major projects, ensuring performance of concealed electrical connection is a major challenge. The patented IWSI system when installed with industrial or central Monoblock (both three-phase & single-phase) avoids the electrical connection between the suction inlets as the handles talk with the main unit for switching on the system.

### How is it made?

The IWSI system is composed of a receiver "master" and one or more transmitters "slave". The master is connected to the power sockets in the control panel of the industrial unit and powered by single-phase line.

The Slave is installed inside electrical boxes 3 modules, in different environments depending on the type of building (consult General D'Aspirazione for correct positioning). And hardwired directly to the master unit.

### How it works?

The IWSI works by combining two sophisticated systems - wireless and conveyed waves.

The Brava Wireless handle sends the command to switch on the system to the "slave" which transmits it to the "Master" system through a low frequency WIFI internal to the GDA system (included in the scope of supply).

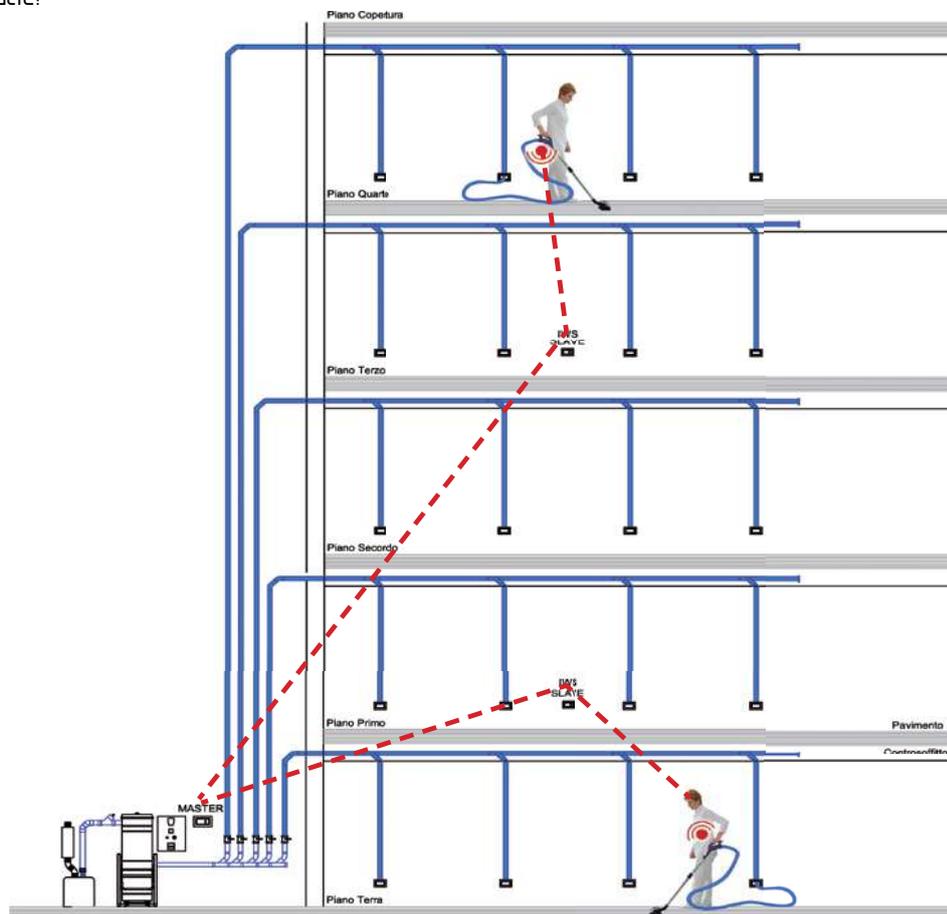
The switch on is controlled by Inverter in a fully automatic mode. For every additional user who logs in the system sends a signal to increase the speed of the motor to maintain same suction pressure as in the previous user.

This fantastic system allows you to install a central vacuum system, wireless in any type of construction without distance limitations. Buildings with reinforced concrete or radio interference that can't be controlled, are no longer an obstacle!

Slave module



- 0102386 IWSR  
Master for single operator system
- 0102386/1 IWSR/T  
Master for multi operator system
- 0102388 White Slave
- 0102389 Black Slave
- 0102390 Silver Slave



# Suction sockets

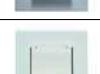
## DEA SERIES INLETS

The DEA inlet may be available in three versions:

- 1 **WIRELESS**: Without micro-electrical contact, the ignition is made with the Brava wireless handle
- 2 **CONTACT**: the unit starts with the coupling insertion into the inlet,
- 3 **CONTACT PROTECTED**: inlet opening with key, the unit starts with the coupling insertion into the inlet.

SEARCH the commercial electrical plaque / FIND the reference codes of inlet and DEA supports

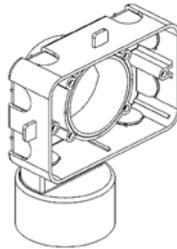
BRAND	MODEL	COLOUR	CONTACT	WIRELESS	SUPPORT	
						
ABB		Elos	Black	2020210	2020250	2020440
		Mylos	White	2020211	2020251	2020437
		Mylos	Black	2020210	2020250	2020437
AVE		Domus - Sistema 44	Glossy white	2020217	2020257	2020431
		Life-Sistema 44	Glossy black	2020216	2020256	2020431
		Allumia-Sistema 44	Alluminium	2020215	2020255	2020431
BTICINO		Matix	White	2020211	2020251	2020432
		Axolute Air	Glossy white	2020217	2020257	2020412
		Axolute Air	Anthracite	2020214	2020254	2020412
		Axolute Air	Alluminium	2020215	2020255	2020412
		Axolute	Anthracite	2020214	2020254	2020410
		Axolute	Alluminium	2020215	2020255	2020410
		Axolute White Solutions	Glossy white	2020217	2020257	2020410
		LivingLight	Black	2020210	2020250	2020435
		LivingLight	White	2020211	2020251	2020435
		LivingLight	Silver metal	2020213	2020253	2020435

BTICINO		LivingLight - AIR	Black	2020210	2020250	2020434
		LivingLight - AIR	White	2020211	2020251	2020434
		LivingLight - AIR	Silver metal	2020213	2020253	2020434
GEWISS		Playbuss	Black	2020210	2020250	2020440
		Young	Black	2020210	2020250	2020440
		Chorus	White	2020211	2020251	2020431
		Chorus	Black	2020210	2020250	2020431
		Chorus Titanio	Alluminium	2020215	2020255	2020431
LEGRAND		Vela Quadra e Tonda	White	2020211	2020251	2020481
		Vela Quadra e Tonda	Black	2020210	2020250	2020482
		Vela Cross	White	2020211	2020251	2020481
VIMAR		Idea e Rondò	Black	2020210	2020250	2020420
		Idea e Rondò	Ivory	2020212	2020252	2020422
		Plana	White	2020211	2020251	2020421
		Plana Silver	Alluminium	2020215	2020255	2020421
		Eikon	Black	2020210	2020250	2020421
		Eikon Next	Silver metal	2020213	2020253	2020421
		Eikon Bianca	White	2020211	2020251	2020421
		Eikon EVO	Black	2020210	2020250	2020433
		Eikon EVO - Next	Silver metal	2020213	2020253	2020433
		Eikon EVO	White	2020211	2020251	2020433
		Arkè	Black	2020210	2020250	2020436
		Arkè	White	2020211	2020251	2020436

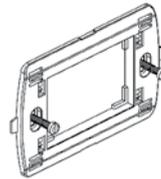
## Elements in detail



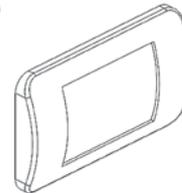
Curved "DEA" socket frame



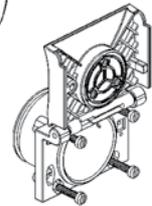
Support for "DEA" plaque



Commercial electrical plaque



"DEA" suction inlet



**06200012**

DEA" modular extension mm 12 (with "walled up" suction inlet internal to the wire plaster, up to 13 mm the extension is not needed)

The extensions must be glued together and on the inlet, the inlet's gasket OR should be shifted on the last extension.

## CONTACT PROTECTED



Opening of the inlet with key switching on the insertion of the tube into the inlet.

**2020290**

Dea Contact protected inlet gray

**2020291**

Dea Contact protected inlet white

**2020310**

Key for DEA Contact protected inlet gray

**2020311**

Key for Dea Contact protected inlet white

## SERVICE INLET



**0502001**

Service inlet.

Installs directly on Ø 50 pipe

## QUADRA SERIES INLETS

System start-up with the pipe's insertion into the inlet.  
For wireless version, connecting micro contact wires in not necessary



**0501010**  
Quadra inlet white



**0501012**  
Quadra inlet silver



**0501013**  
Quadra inlet black



**0605012**  
Quadra series inlet extension

## FLOOR QUADRA INLET



**0501020**  
Floor Quadra inox inlet



**0605012**  
Quadra series inlet extension

## CLASSIC SERIES SEMIAUTOMATIC



**0508001**  
GDA Classic series Semiautomatic inlet colour white

**0508011**  
GDA "CLASSIC" series inlet Ø38 colour white, to use with flexible pipe Ø3



**0604002**  
GDA Classic series extension. (It should be cut of the required measure with special tubes cutter)

## INDUSTRIAL SUCTION INLETS



**0524V01**  
External use Industrial inlet colour Black without microswitch Ø 32

**0524V02**  
External use Industrial inlet colour Black without microswitch Ø 38

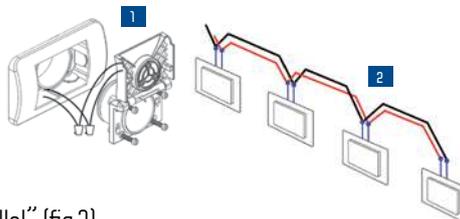
**0524V03**  
External use Industrial inlet colour Black with microswitch Ø 32

**0524V04**  
External use Industrial inlet colour Black with microswitch Ø 38

## ELECTRICAL CONNECTIONS FOR SYSTEM WITH WIRES

Needed for industrial vacuum control units systems and for the residential ones in which you don't want to use the wireless system. After mounting the support and the electrical plate, connect the two small electrical cables of the suction inlets to the ones outgoing from the mounting plate (1), then insert the plug in the above mentioned mounting plate pressing it and finally fix the appropriate four screws, slightly tightening them.

The electrical connection between the suction inlets must always be in "parallel" (fig.2).



## BASEBOARD ASPIRATOR

The Baseboard Aspirator, characterized by its typical installation at floor level, allows to increase the system's functionality as centralized vacuum cleaner especially in domestic kitchens and in the hair stylists halls. Installed in the kitchens baseboards, allows collecting crumbs without using the flexible pipe. In hairdressers salons, makes the collection of hair after the cut quick and easy, simply taking them towards the baseboard aspirator with the broom.

Thanks to its Design it can be adaptable to the surrounding styles.

It may also be installed on the wall using the provided suction inlet.

**IMPORTANT:** Even if you use the wireless system, bring electricity from the aspirator to the vacuum central unit anyway.



**0411020**  
Baseboard aspirator  
colour Aluminium with kit  
for mounting



**0411021**  
Baseboard aspirator  
colour White with kit for  
mounting



**0411022**  
Baseboard aspirator  
colour Black with kit for  
mounting



**0411007**  
Cover plate for vacuum cleaner  
brushed stainless steel to be used as a  
cover vacuum cleaner baseboard (NOT  
is cover for mounting plate)



**0411006**  
Cover plate for vacuum cleaner  
baseboard colour White to use for  
backup box cover



**0411005**  
Cover plate for vacuum cleaner  
baseboard colour Black to use for  
backup box cover



The kit includes:  
70 cm flexible pipe Ø50

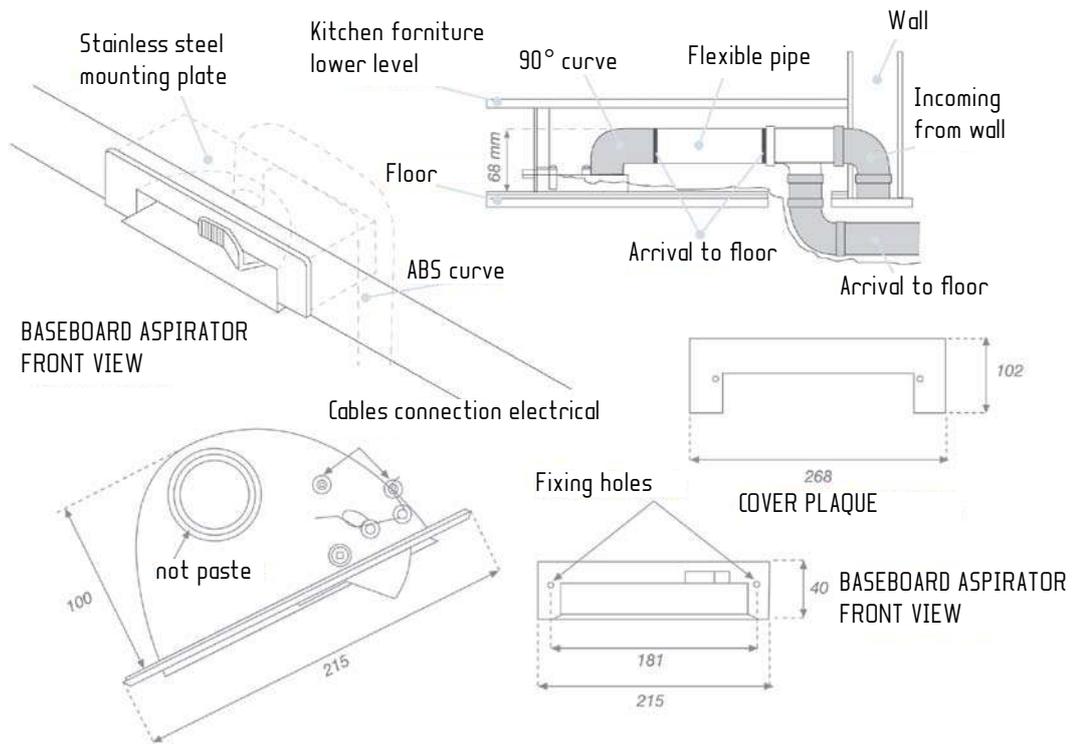
## STEEL SOCKET FRAME FOR BASEBOARD ASPIRATOR



**0411105**  
Zinc-plated steel mounting plate for wall  
installation.  
Dimensions:  
width 330 mm  
height 145 mm  
depth 100 mm

The mounting plate is prepared for pipe arrival from the top.

## INSTALLATION OF BASEBOARD ASPIRATION



## BASEBOARD ASPIRATOR INSTALLATION

Read carefully the instructions before the system presetting.

### INSTALLATION ADVICE

- For the baseboard aspirator installation, choose a practical space that makes it easy to sweep the crumbs and any kind of trash toward it.
- The installation in proximity of corners is not advised.
- Even if the Wireless system is used, bring the power supply from the aspirator to the vacuum control unit anyway.

### INSTALLATION IN THE KITCHEN BASEBOARD

- The necessary minimum height of the baseboard 100 mm.
- Cut a 170 mm length and 40 mm height fissure in the lower part of the furniture's baseboard.
- Connect the included flexible pipes with the pvc piping
- Fix the baseboard aspirator to the kitchen's furniture baseboard
- Connect the other end of the flexible to the baseboard aspirator with the appropriate curve at 90 and block with the clamps supplied
- Connect the low voltage wires to terminals with the written "low voltage"
- Fix the baseboard to the furniture.

### INSTALLATION OF THE WALL BASEBOARD ASPIRATOR

- The minimum necessary thickness is 120 mm
- Lodge the steel mounting plate (cod. 0411105) which will be mounted plaster flush, following the instructions reported on the mounting plate itself
- Make arrive the PVC pipe and the two electrical cables of the line of consent to low voltage, (5 Vdc selv) within the suction inlet. Both must arrive to the suction inlet from high.
- Connect the two electrical cables of the consent line of low voltage to the terminal connections of baseboard aspirator with the written "low voltage only"
- Connect the PVC pipe plant to the baseboard aspirator through the flexible pipe and fix it with two metal clamps supplied.
- Mount the baseboard aspirator after the laying of the floors, fixing it to the mounting plate with the provided screws
- Close the higher part of the hole with the frontal plate protection provided

**IMPORTANT:** Do not use flexible pipes in any other place of the system.

# Components

## EMBEDDED DEA SOCKET FRAME



**06200010**  
GDA curved socket frame DEA series



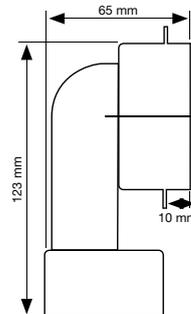
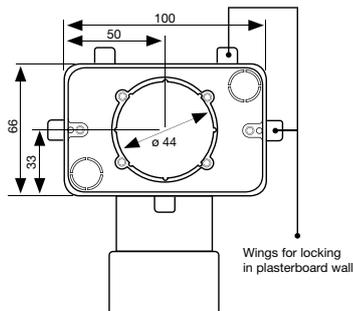
**06200011**  
GDA straight socket frame DEA series



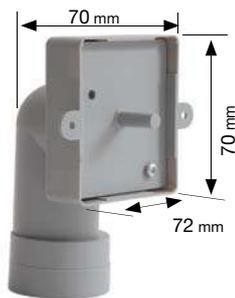
**06200012**  
Modular extension from mm 12 for "DEA Series" inlets (to paste according to needs)

### Dimension

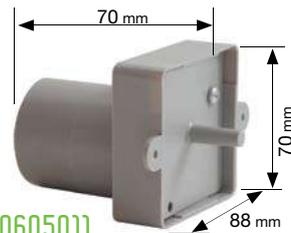
Size as 3 modules electrical plate



## QUADRA SERIES SOCKET FRAME



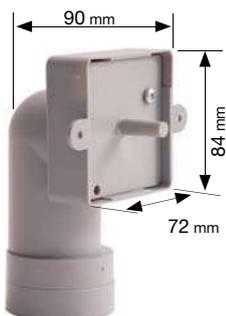
**0605010**  
Curved suction inlet Quadra series



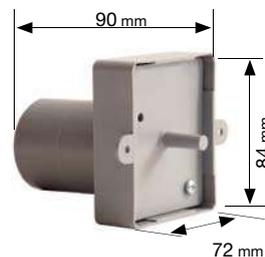
**0605011**

Straight suction inlet Quadra series

## FLOOR SOCKET FRAME



**0605014**  
Curved socket frame Quadra series for mounting floor



**0605015**  
Straight socket frame Quadra series for mounting floor

# Components

## EMBEDEED CLASSIC SERIES SOCKET FRAME

(for floor mounting)



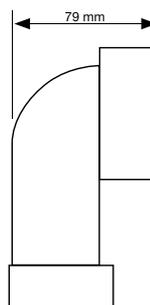
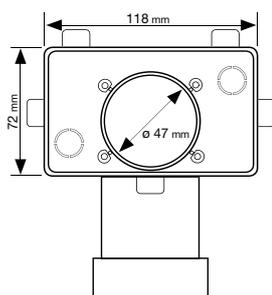
**0603003**  
GDA curved socket  
frame Classic series



**0603004**  
GDA straight socket  
frame Classic series

### Dimension

Size as 3 modules electrical plate



## GENERAL CHARACTERISTICS

The fittings  $\varnothing 50$  is produced by General D'Aspirazione with moulded thermoplastic ABS material, shockproof and ecological. The other fittings are certified iIP UNI. The piping of all sizes is certified PiiP/C UNI



**0701026** GDA PVC Pipe  $\varnothing 50$  blue PiiP/C 2 m bars

**0702030** GDA PVC Pipe  $\varnothing 63$  blue PiiP/C 2 m bars

**0704100** GDA PVC Pipe  $\varnothing 80$  blue PiiP/C

**0706100** GDA PVC Pipe  $\varnothing 100$  blue PiiP/C



**0701021** GDA ABS Curve MF  $\varnothing 50$  blue

**0702101** GDA PVC Curve MF  $\varnothing 63$  blue

**0704101** PVC Curve MF  $\varnothing 80$  blue

**0706101** PVC Curve MF  $\varnothing 100$  blue



**0701022** GDA ABS Curve FF  $\varnothing 50$  blue

**0702102** GDA PVC Curve FF  $\varnothing 63$  blue

**0704102** PVC Curve FF  $\varnothing 80$  blue

**0706102** PVC Curve FF  $\varnothing 100$  blue



**0701023** GDA ABS derivation FF  $\varnothing 50$  blue

**0702103** GDA PVC derivation FF  $\varnothing 63$  blue

**0704103** GDA PVC derivation FF  $\varnothing 80$  blue

**0706103** GDA PVC derivation FF  $\varnothing 100$  blue



0701024 GDA ABS sliding sleeve Ø 50 blue

0702104 GDA PVC sleeve with batten Ø 63 blue

0704104 PVC sleeve with batten Ø 80 blue

0706104 PVC sleeve with batten Ø 100 blue



0701025 GDA ABS Cap inspection Ø 50 blue

0702007 PVC Cap inspection Ø 63 screw

0704007 PVC Cap inspection FF Ø 80 screw

0706112 PVC Cap inspection Ø 100 screw

### Eccentric increases



0702106 Eccentric increase PVC Ø 50-63 blue

0715033 Eccentric increase PVC Ø 63-80 blue

0715032 Eccentric increase PVC Ø 80-100 grey

### Grid of vent increases



0717001 Concentric increase PVC Ø 50-82

0717002 Concentric increase PVC Ø 63-82

### Grids of vent



0702018 Grid of vent Ø 80

0702020 Grid of vent with flap Ø 50 mm

### Ball valves full bore



1102016 Ball valves full bore Ø 50

1102017 Ball valves full bore Ø 63

1101020 Ball valves full bore Ø 80

### Fire-extinguishing collar



1102050 Fire-extinguishing collar Ø 50

1102051 Fire-extinguishing collar Ø 63

1102052 Fire-extinguishing collar Ø 80

### Fastening collars



0701057 Collar with plug for Ø 50

0702031 Collar with plug for Ø 63

0704011 Collar with plug for Ø 80

0706012 Collar with plug for Ø 100

# Components

## ELECTRICAL MATERIAL



0720006

Flex pre slipped pipe Ø 16 mm 2x1 mmq NO7VK IMQ m. 25

0720007

Flex pre slipped pipe Ø 16 mm 2x1 mmq NO7VK IMQ m. 50

0720008

Flex pre slipped pipe Ø 16 mm 2x1 mmq NO7VK IMQ m. 100

0720002

Flex pre slipped pipe Ø 16 mm 2x1,5 mmq NO7VK IMQ m. 100



1102003 Watertight box derivation mm 80x80x40

1102009 Watertight box derivation mm 110x110x60



0910002 White wiring band mm 290



0910015 Wiring clamps E23

## GLUE



0801001 Glue GDA 125 g pipette

0801006 Glue GDA 250 g can (with brush)

0801004 Glue GDA 500 g can

## INSTALLATION AND TESTING TOOLS



0805001 GDA glue spreading tool



0806001 Pipe cutter for up to 63 mm Ø

0806003 Pipe cutter for up to 100 mm Ø



0806002 Spare blade for Ø 63 pipe cutter

0806004 Spare blade for Ø 100 pipe cutter



0802001 Universal GDA vacuum meter

**WHEN TO TRACE THE SYSTEM**

- It must be traced right after the plumber and the electrician intervention, to allow the construction company to execute all the traces contemporarily.
- The positions of the vacuum control unit and of the outlet must be established.
- Together with the works direction the traces for the suction plugs must be marked in the positions already established by the design and by possible modifications. In the industrial fittings, if possible, it is preferable to pass with the pipeline inside the false ceiling.

**POSITIONING OF THE SUCTION RESIDENTIAL AND INDUSTRIAL VACUUM CONTROL UNIT**

- The vacuum control unit has to be necessarily positioned in the service rooms at the lower floors, lower compared to the building (for ex. garage) or, with the appropriate technical arrangement, also in the attic. For more information contact GENERAL D'ASPIRAZIONE Technical Office.

**HOW TO PROVIDE THE AIR OUTLET**

- All models have expulsion, therefore for the emission of the air directly outside or in feed holes a pipeline must be provided.
- The pipe used for the air expulsion is a Ø 50, from 5 m on use a Ø 63 pipe for the exceeding metres.
- In the residential fittings the pipe to be used for the air expulsion is Ø 50, from the 5 ms on use the pipe Ø 63 for the meters in excess.
- In the industrial fittings the pipe to be used for the air expulsion must be proportional to the power of the Plant.

**INSTRUCTIONS FOR WALL BUILDING**

Position the suction plugs at the same height of the lowest electrical outlet.

- The traces will be 8 cm wide and deep, widened up to 13 cm so to lodge the mounting plate ( see dimensions as a 3 modules electrical box)
- The residential vacuum control unit needs an electrical outlet for 240 V power supply.
- The industrial vacuum control unit needs an electrical outlet for 400 V power supply + neutral + floor.
- We advise to preset another built-in box for the arrival of low voltage cables, where foreseen.

**HOW TO EXECUTE THE LAYING OF THE SYSTEM**

The starting point is the installation place of the vacuum control unit.

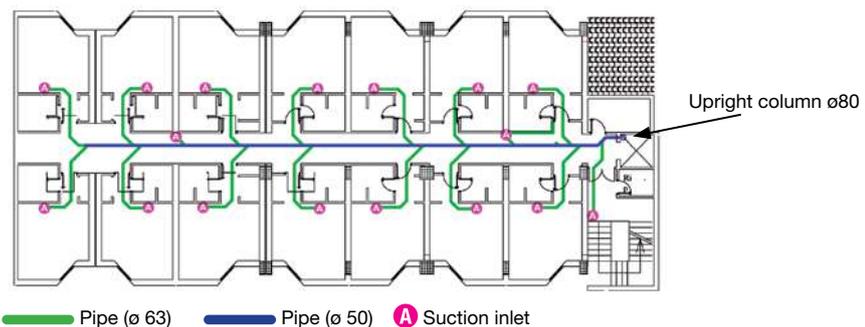
Then the prefixed path, toward the suction plugs, must be followed, planning a radius of curvature as ample as possible.

- To guarantee perfect operation, it is necessary to use only GENERAL D'ASPIRAZIONE original materials.
- The PVC pipes must necessarily be cut with the specific pipe cutter, never use a small hand saw.
- Laying the bypass, it is necessary to always respect the air flow.
- Never go down perpendicularly with the vertical derivation from horizontal canalization (the heavy detritus could fall in the plug below).
- It is necessary to glue the PVC pipes, carefully cleaned, and the connectors only on the "male" part, with the specific GENERAL D'ASPIRAZIONE glue and with the appropriate spreader.

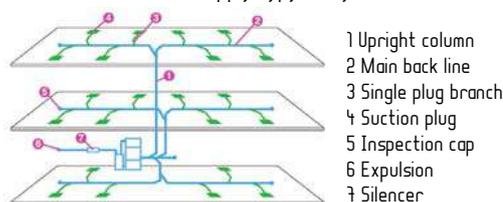
**EXAMPLE OF INDUSTRIAL SYSTEM**

Follow curvature radius as ample as possible

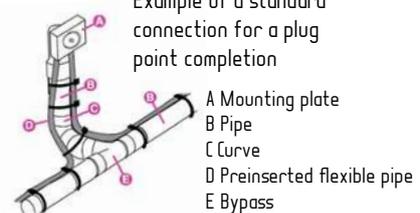
Hotel with suction plugs in rooms and in corridor



Supply typical layout

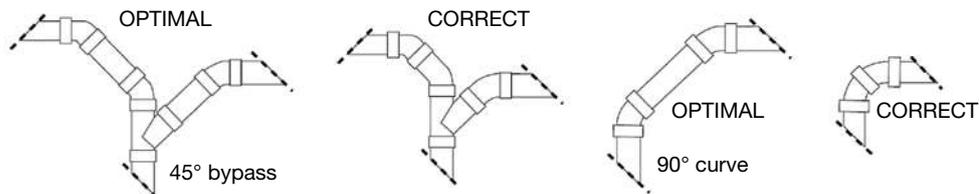


Example of a standard connection for a plug point completion

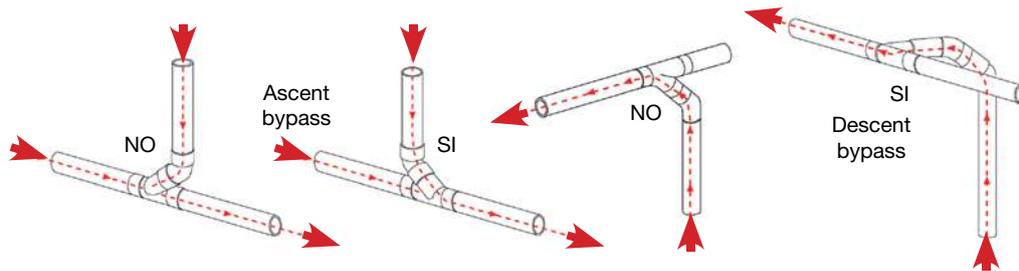


# Components

How to decrease load losses:



Bypasses direction:



## HOW TO EXECUTE THE TEST

The first guarantee demonstration, for all those who chose a GDA system.

Still in building phase, therefore before laying the floors, the system is already operative. It will be possible to verify its correct operation since the first moment and eventually intervene where any malfunction occurs.

Thanks to the appropriate patented cover which hermetically closes the suction hole, it is possible to test the right operation of the system, easily and in few minutes.

There are two moments during which verification is possible:

1. when the canalization is completed
2. before laying the floors

The installer technician and the works direction are

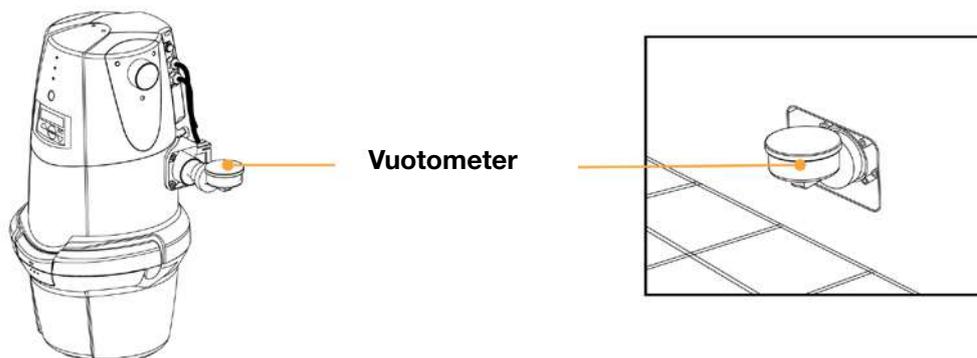
able to offer to their client the tranquillity of a perfect operation, the possibility to verify, still in building phase, eventual problems of the system and, in this case, to take care of it in real time.

There are three test phases :

1. the depression created by the vacuum control unit is measured with the appropriate vacuum meter.
2. the vacuum control unit is connected to the system pipe.
3. it must be verified from any of the mounting plates that the tested value is always the same.

Once the test is done, it is possible to verify the perfect operation or to individuate the exact point in which the system results damaged.

**Note for the Installer: "REQUEST THE TEST SCHEDULE AT THE GENERAL D'ASPIRAZIONE TECHNICAL OFFICE".**







**GENERAL  
D'ASPIRAZIONE**

IMPIANTI ASPIRAPOLVERE CENTRALIZZATI

GPS coordinates: 44.117989, 12.416461 - A14 exit Valle del Rubicone

100% made in Italy



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