CATALOG

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2016

CENTRAL VACUUM SYSTEMS

SISTEM·AIR
SINCE 1993
CENTRAL VACUUM SYSTEMS
ByTecnoplus s.r.l.

www.sistemairgroup.com

Sistem Air Group

Since 1993

SISTEM-AIR

ADVANCE
Easy Moving

ATECK

THE COMPANY

IDEAS becoming REALITY thanks to PEOPLE

For more than twenty years, Sistem Air has dealt with **central vacuum systems** with passion and competence in every phase: from planning to assembly, testing, support for the installer in system installation, to assistance to the customer for spare parts and accessories.
This is achieved by the 360° vision of the company, being **present on different international markets**, knowing their particularities and gaining experience there, useful in the constant renewal of its own products.





This Sistem Air catalogue presents its range of tailored products for **domestic and industrial installations** offering a **complete panorama** of numerous solutions where the system becomes a precious ally, both to the technician as well as to the private individual:

- To augment well-being in the environment where we live every day, in the case of domestic applications;
- To increase the productivity and the quality of the production in industrial applications



OUR MISSION

The customer above all

TO GENERATE INNOVATION

Sistem Air stands by its company tradition of constant innovation, improving design, refining materials with the aim of **offering a product in permanent amelioration**. From simple updating to real novelty, the items are monitored thereafter by the **Research and Development** Department, which takes inputs from the international markets into consideration, to nurture the **process of permanent revision and perfection**.
All of this is with the strength of a Group organised to meet multiple requirements, but always aimed at having ever more satisfied customers.

TO IMPROVE THE USE

A Sistem Air product must be recognisable at first sight: for **its style**, meaning quality, for **its reliability**, permitting use of the product in different conditions, for its **efficacy** making it possible to satisfy our customers' highest expectations. But first of all, a Sistem Air **product must be easy to install and simple to use**. We believe that these are two features leading to success:

- the confidence that an installer must have with our products, leading him to prefer them over the others;
- the simplicity in understanding and using the system by the final user, in order to generate the demand which should be as spontaneous as possible.

To always be close to all our customers, we can rely on our sales team which numbers more than **100 agents** throughout Italy, more **than 600 sales points** in the electrical distribution market, where one can find our products and a network of **Technical Assistance Centres** covering the whole country.



WITH DYNAMIC COMMUNICATION

To take advantage of all communication channels, from the traditional to the newest ones, to accurately inform the numerous interlocutors dialoging with the company every day. This idea leads Sistem Air's communication, putting the company in place in a growing number of subjects, **the culture of central vacuums**, which must become a **STANDARD OFFER** by installers and a **STANDARD TOOL IN DOMESTIC AND PROFESSIONAL EQUIPMENT**. The reasons to take this path are based on the advantages of the system in every kind of its use: they are to be communicated by all means.

- CD for estimates
- On-line support
- Catalogues
- Company tabloid

www.sistemair.com DOWNLOAD Follow us

HOW TO FIGHT ALLERGIES

WITH SISTEM AIR CENTRAL VACUUM SYSTEM YOU IMPROVE YOUR WELLBEING

The increase of respiratory system allergies raises the necessity to find environments without the elements causing the allergic reactions, on behalf of total hygiene, which is possible to reach in a simply and advantageously, using the **Sistem Air central vacuum**. It represents the best solution to eliminate dirt from rooms and chase away pathogens, which are the main cause of these allergies: **pollens, mites and microdust** which, if vacuumed with the traditional portable vacuum cleaner, come back to circulate in the same environment and can proliferate. On the contrary, with the central vacuum system **they are expelled externally** by the air outflow, **removing the problem**, proved by numerous medical studies. Another advantage is the **power consumption**, **which is lower compared** to other portable vacuum cleaners.



Improve the hygienic conditions in the place where you spend your time, thanks to Sistem Air central vacuum system.

To breath clean air



QUALITY OF



Install a Sistem Air central vacuum system

LIFE



A SISTEM AIR central vacuum unit fights allergies and offers NUMEROUS OTHER ADVANTAGES:

comfort
No traditional portable vacuum to drag around, banging the furniture.
Now you have a light flexible hose, made to last for years, as is the whole system.

quietness
Central vacuum unit can be installed outside the place one lives.

vacuuming power
This system, unlike traditional vacuum cleaners, works by creating the vacuum inside the pipe network, this way the external pressure pushes the air and the dirt into the pipe with the advantage of having the same effect in all the inlets.

low consumption
On the contrary of a traditional vacuum cleaner, a reduction of energy consumption with the same efficiency.

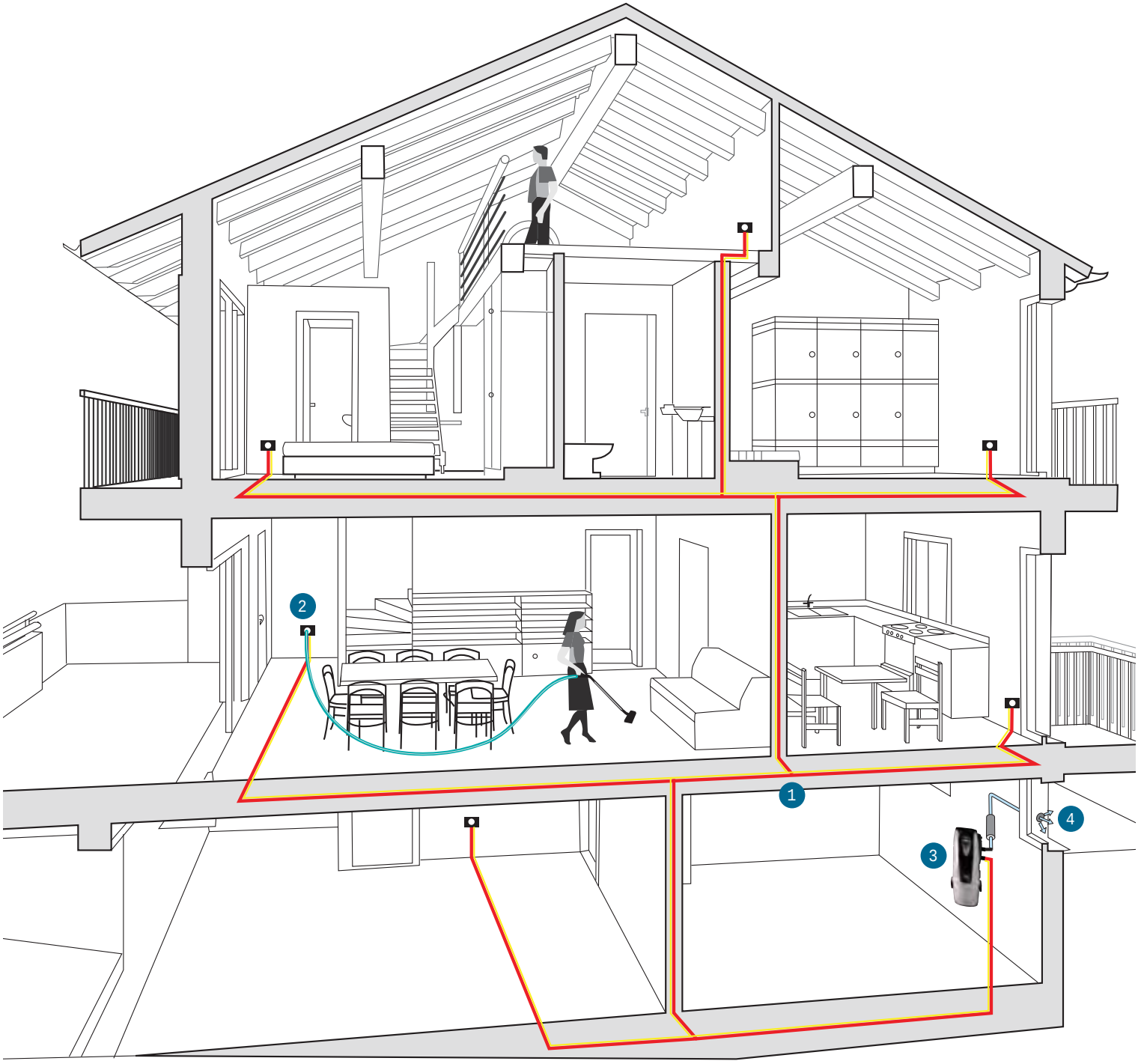
safety
Forget electric cables, which get twisted and risk being damaged over time.
Switching the system on uses a low tension contact, present in the vacuum inlets, it's totally safe for both adults and children.

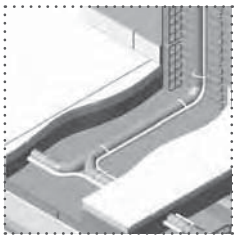
Simplicity of maintenance
No dust bags to buy: the dust falls directly into the bucket. To clean the filter, just wash it with water and dry.

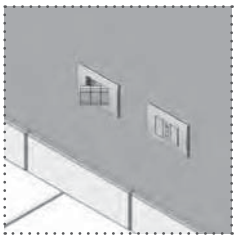
complete range of accessories
To resolve all the types of cleaning tasks

in your house

Central vacuum system:



1 
Pipe network

2 
Vacuum inlet

3 
Central vacuum unit

4 
Filtered air exhaust

General description of the system

Choosing a central vacuum system means adding value to a building. It doesn't matter if it's a house, office or public structure: it's a value which lasts over time, bringing advantages for your health, practical and optimising your time.

A central vacuum system consists of:
A a **pipe network located into chase**, wall or false ceiling and joining the central vacuum unit
B **vacuum inlets**, connected to the pipe network
C **a central vacuum unit**, located in a utility room, or balcony (protected from bad weather conditions)
D a **flexible hose** for cleaning, equipped with the accessories suitable for any requirement.

The dust vacuumed with the flexible hose, connected via the vacuum inlets, passes directly through the pipe network into the central vacuum unit, while micro dusts get expelled outside the vacuumed and filtered air discharge.

The installation of the central vacuum system takes place during construction or restructuring of the building, in conjunction with the laying and arrangement of other installations, when the conduits in the walls are made, before applying the floor screed, attaching fittings with its proper adhesive and arranging the electrical connections of the central vacuum unit.

The correct laying of pipes and fittings, avoiding unnecessary tubing, represents an essential requirement for good functioning and use of the system.

The choice of vacuum inlet positions and flexible hose length is fundamental for optimisation of the installation, because it allows maximum possible surface cover, with correct number of inlets. For example with a 7m flexible hose, it's possible to cover a surface of about 30 m (for more details see page 15).

The central vacuum unit is usually located in a utility room, a laundry, a garage, preferably at a lower level of the building to facilitate dust descent, or on balconies or terraces protected from bad weather. Where this is not possible, installation of an oversized central unit is recommended, to guarantee optimal vacuum power. Choosing the right central vacuum unit is fundamental for good functioning of the entire central vacuum system and it is necessary to find the most suitable model for individual requirements, considering surface area to be cleaned. It's recommended to install central vacuum units in technical or utility rooms (for example box car, basement etc.) soundproofed, to protect other rooms from the vacuum unit noise.

When the installation of the central vacuum system is completed, the **Sistem Air vacuum inlets** offer a wide range of choice, they fit the the most common electric frames on the market, maintaining a single line of design inside the building. Produced taking aesthetics into consideration, they present sturdy and unbreakable construction with low tension electric contacts.

Cleaning kits are available with different accessories, with 7 or 9 metre hoses and with the possibility to switch the central vacuum system on and off directly on the handgrip (see KIT FLISY page 230).

How to plan the installation

The information needed for correct planning of installation is essential and easy to take:
• Surface and destination of the building where the system is to be installed
• Number of simultaneous users on every level
• Choice of the length of the flexible hose which will be used for cleaning
• Plan of the building
• Position where the central vacuum unit will be installed

After having collected all this information, it is possible to proceed in pipe network dimensioning, in choosing the position of the vacuum inlets (in accordance with what is indicated in the following chapters).

Dimensioning of the pipe network

A system is the most efficient when a pipe run is short and as regular as possible (avoiding unnecessary changes of direction). In particular:

- If possible, vertical rising pipe must be made in the central position of the building.
- Pipe network can be indifferently positioned in the floor, wall or false ceiling.

The diameters of single stretches of pipe network must be dimensioned according to the following scheme:

Ø 50 mm	– 1 user	(light blue)
Ø 63 mm	– 2 users operators	(orange)
Ø 80 mm	– 3 users operators	(yellow)
Ø 100 mm	– 4 users operators	(green)

In the predisposition of installations on large surfaces, it's preferable to make different vertical rising pipes, which will be connected by a vacuum collector leading to the central vacuum unit according to different building zones or levels. This way, it will be possible to predispose a manual section valve which will separate every vertical rising pipe from the others, simplifying maintenance if that part of the installation is not used.

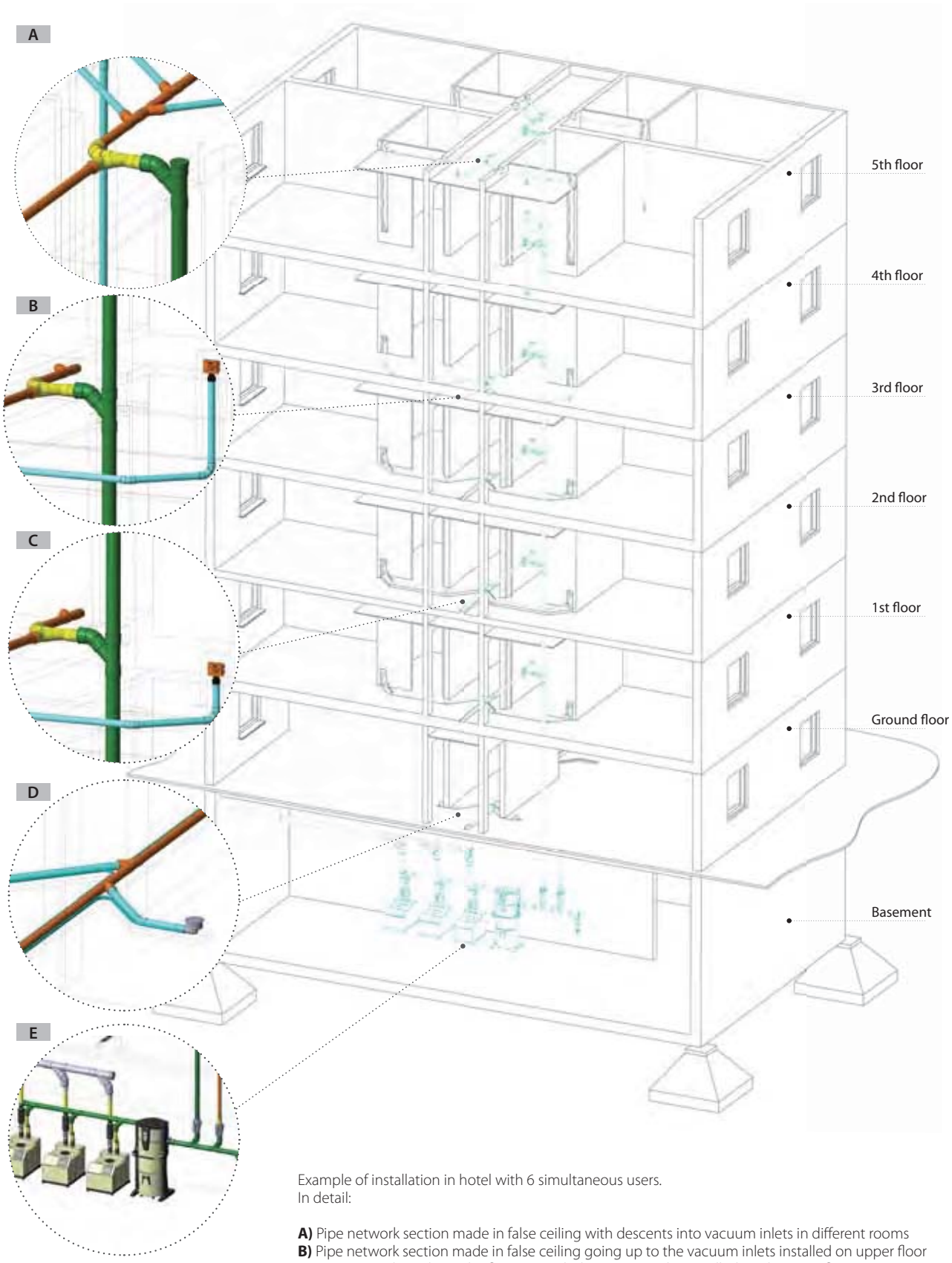
To maintain a good speed of the vacuumed air inside the horizontal pipe network, the length must be minimised, especially when it's made with pipes of 80/100 mm in diameter: in this case, when the number of active simultaneous users is lower than the maximum expected, the slow-down of the air could cause pipe clogging over time. Such a line must be equipped with an inspection point made by inserting a derivation with a screw cap fixed at the end.

In installations with blowing motors that manage three or more users at the same time, a breaker valve can be installed to facilitate internal cleaning of the pipes, in an inspectional stretch of pipe network. This permits stronger air flow in switching off phase of the installation (the breaker valve installed on board of the separator of must be closed).

Dimensioning of the discharge pipe.
For maximum advantage of the central vacuum system, it's advisable to put the discharge pipe towards outside. This way mites, micro dusts and pollens, not blocked by filter, will be expelled from our living environment. If the discharge pipe is longer than 5m, it must be made with larger diameter pipes compared to the pipe running to the central vacuum unit, to facilitate the outflow of air coming out of the motor.

Example of installation

HOTEL



Example of installation in hotel with 6 simultaneous users.
In detail:

A) Pipe network section made in false ceiling with descents into vacuum inlets in different rooms
B) Pipe network section made in false ceiling going up to the vacuum inlets installed on upper floor
C) Pipe network made on the floor to reach the vacuum inlet installed on the same floor
D) Pipe network made on the floor and connected to special backup boxes for the floor inlets
E) Motor assembly with air discharge to the outside and connection to central vacuum system collector.

How to install the system

Vacuum inlet positioning

Vacuum inlet planning

To determine the position of vacuum inlets, it's important to consider the operating range of the flexible hose. With a standard 7m flexible hose, it's possible to cover a surface of about 35 square metres, it can be represented on the drawing as a circle having a range of 7m. By drawing these circles, it is possible to find effective coverage of the total surface.

- this operation has to be done avoiding excessive overlapping of the circles drawn;
- choose to put the inlets on the internal walls preferably, rather than perimeter walls (this takes full advantage of each length of flexible hose). Generally it's not necessary to put an inlet in every room;
- take into consideration the presence of obstacles like walls, furniture, etc., which could reduce range of flexible hose coverage;

- by putting a vacuum inlet close to staircase, it's possible to clean the staircase itself, or any landings in an optimal way;

- the same for a vacuum inlet positioned close to garages, terraces and paved entrances, permitting quick cleaning (pay attention not to vacuum wet materials without an appropriate separator);

- remember that by using appropriate separators, one can vacuum ash or water;

- vacuum inlets can be placed indifferently at the same level of electrical switches or electric inlets.

Special installations

If the planning of the central vacuum system should regard:

- particularly large surfaces (more than 3500 m)
- more than 8 simultaneous users
- vacuuming materials causing accumulation of static charges along the pipe network
- vacuuming of incandescent materials
- vacuuming of explosive materials

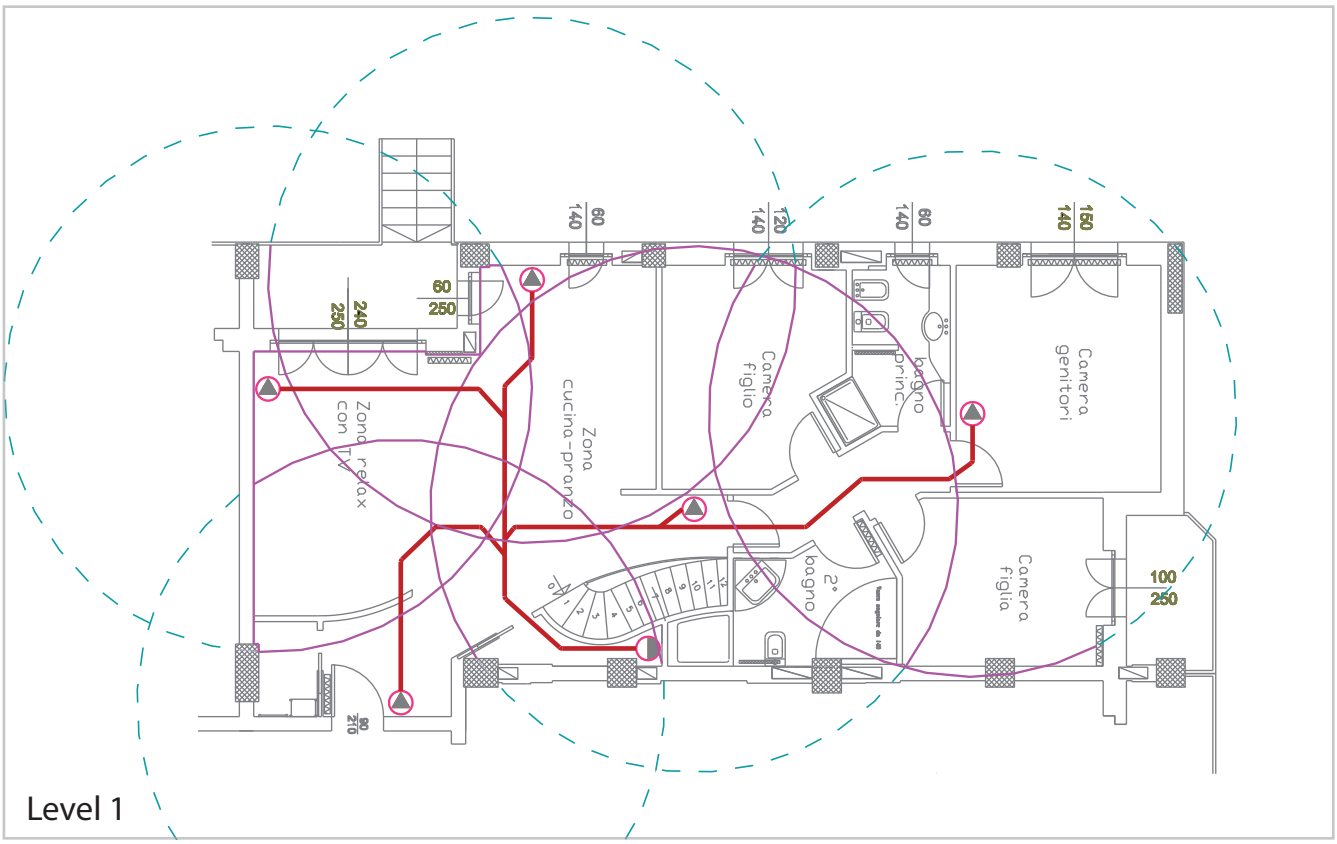
Sistem Air makes all the experience of its Planning Office available: just contact the company using the reference on the back of the cover to be assisted in planning any project.

800-829152

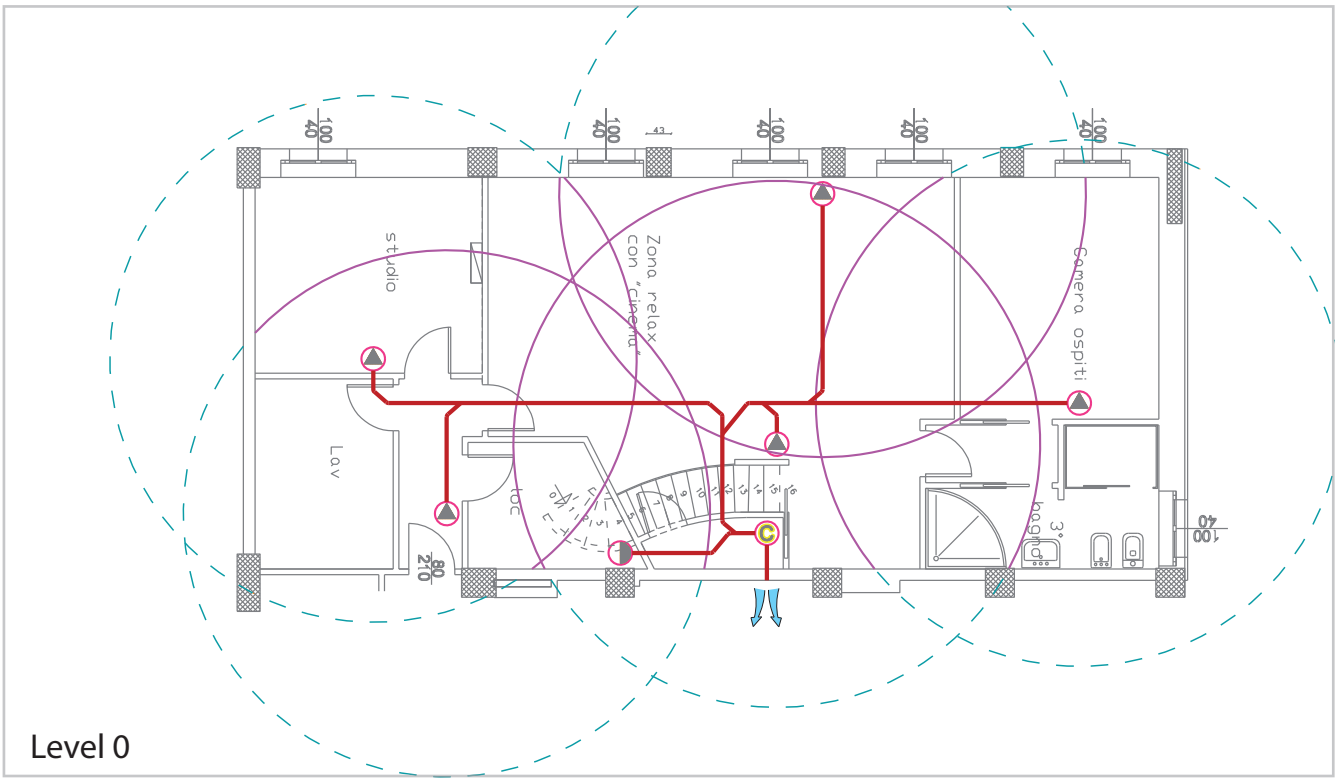
Direct connection with the company.

Example of inlet positioning

KEY	
▲	Vacuum inlet
◑	Vertical rising
C	Central vacuum unit
———	Pipe network 50 mm



Level 1



Level 0

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No surface limits

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KEY Products features


Conformity mark CE


Isolation class 1


Isolation class 2



Protection degree IP


Number of simultaneous users MAX



Energy saving vacuum unit


Computer maintenance


Possibility of automatic filter cleaning


Vacuum inlet on board



Soft Start system



Detectable by Metal Detector


Vacuum unit with filtering bag


Vacuum unit without filtering bag



Vacuum unit with complete accessories kit



Suitable for finished houses


Special vertical building

DOMESTIC
Abitazioni, appartamenti e ville



TECNO R-evolution
Domestic



TECNO STYLE



TECNO Star
Dual Power



T-BOX

energysaving

The range of Sistem Air domestic vacuum units is suitable for any kind of use, it guarantees the best performance with the lowest consumption and it is very easy to install.

DOMESTIC

TECNO R-EVOLUTION 22

TECNO STYLE 32

TECNO STAR 40

T-BOX 50

TECNO R-EVOLUTION

TECNO R-evolution
Domestic

energysaving

Tecno R-evolution are the most innovative centralized vacuum units for domestic use.

They are characterized by many advanced technical features, such as the Bi-Vac system, which offers the choice between cyclonic filtering, or bag filtration (filter cleaning is not necessary).



INSTALLATION AREA

Tecno R-evolution vacuum units can be installed in residential buildings with the following features:

- Surfaces between 30 and 450 m²
- Suitable for 1 user
- Pipe network Ø 50 mm/Ø 2"
- 220/240 Vac supply
- Non-continuous use for household dust vacuum
- Air exhaust to the outside
- Can be installed in utility rooms, service rooms, basements and balconies protected from bad weather.

Tecno R-evolution SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Recommended vacuum inlets	Number of users
Tecno Revolution 150	**150 m²**	**3110.2T**	4	1
Tecno Revolution 250	**250 m²**	**3112.2T**	7	1
NEW Tecno Revolution 350	**350 m²**	**3113.3T**	11	1
NEW Tecno Revolution 450	**450 m²**	**3115.3T**	16	1

MAIN FEATURES OF THE PRODUCT

- **BiVac system for filtration options** (BiVac)
- **Integrated inlet**
- **Maintenance Computer**
- **Energy saving vacuum unit**
- **Soft Start device**
- **CE marking**
- **IP protection degree** (IP 44)
- **Isolation class 1**
- **Max number of users** (1)

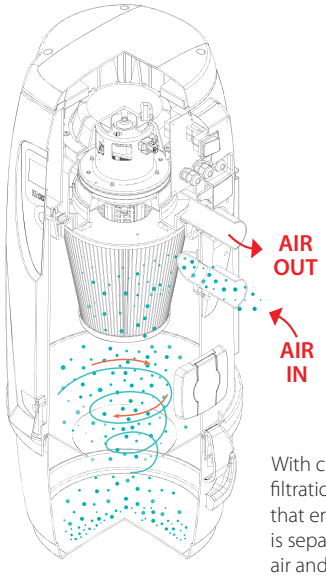
TECHNICAL FEATURES

1 - BiVac system, filtration options

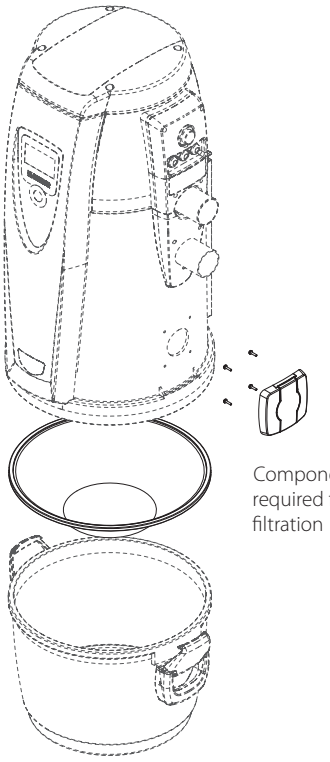
The Tecno R-evolution central units can be installed, **with two different options of filtration, to best suit customer requirements.**

OPTION 1

CYCLONIC FILTRATION Dust is separated from the air by the internal cyclonic effect and it falls into the dust collection bin.
The conveyor cone prevents dust from returning to the filter, making surfaces dirty.



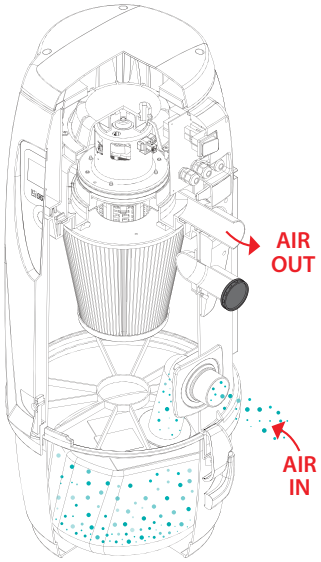
With cyclonic filtration, all dust that enters the unit is separated from air and falls into the dust bin.



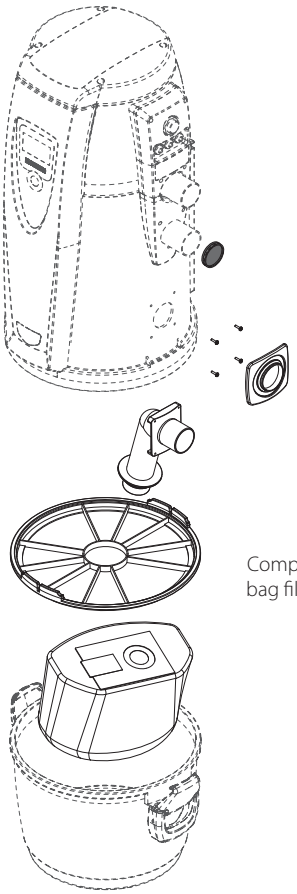
Components required for cyclonic filtration

OPTION 2

BAG FILTRATION SYSTEM, WITH MICROFIBER BAG The high filtration degree removes the need for filter cleaning. Once the bag is full, it is easily replaced.



The dust remains inside the filtering bag



Components required for bag filtration

TECNO R-EVOLUTION

2 - Integral service inlet

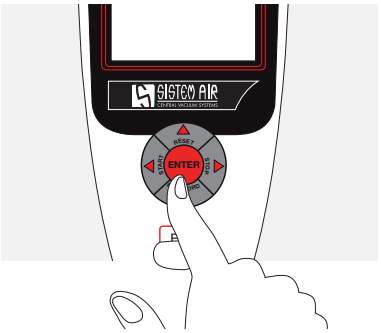
It is possible to install a service inlet on vacuum unit bodies with cyclonic filtration, which is useful for cleaning surfaces and objects near the central vacuum unit.



To enable service inlet use, just insert the vacuum hose inside it, without a micro-switch connection.

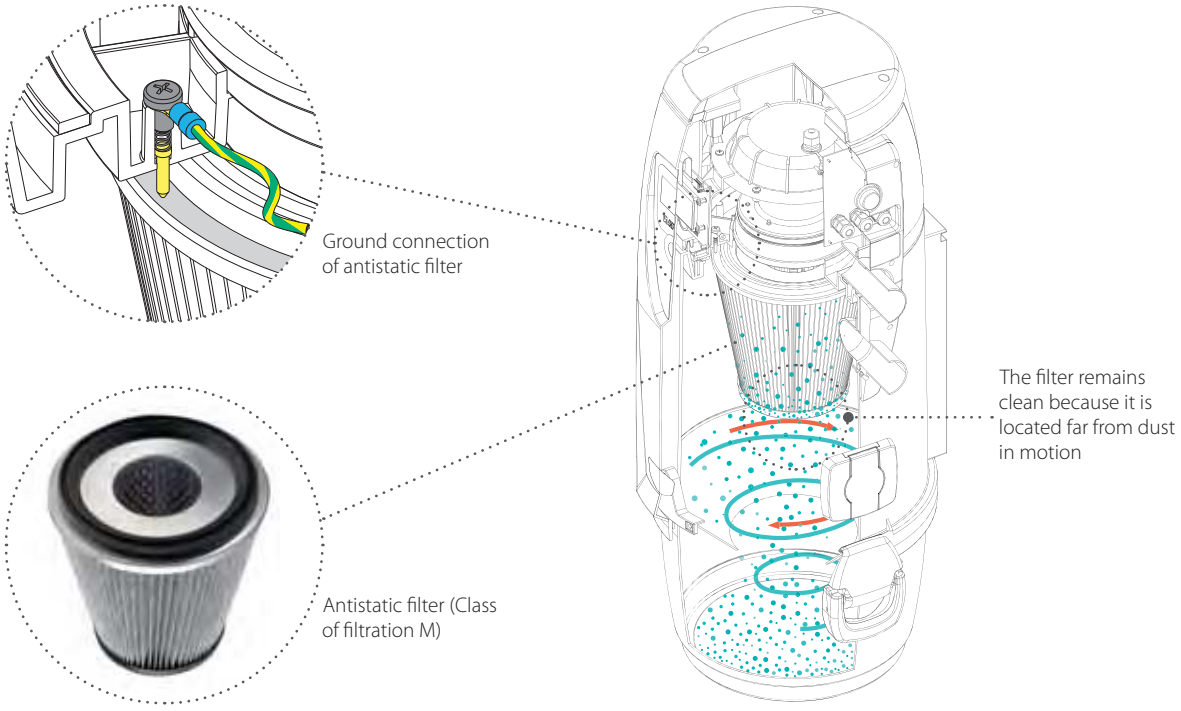


The inlet can be controlled by the simple two button keyboard on the vacuum unit (START/STOP).



3 - Low-maintenance filter

The innovative conical filter of the Tecno R-evolution vacuum units is made with polyester and aluminum fiber, water washable, class M certified, with a dedicated earth connection for static discharge. For this reason it is free from the accumulation of static charges and thanks also to the conical shape of the filter, dust doesn't adhere to the filter, but falls into the bucket when the unit stops vacuuming.



5 - Energy saving

After updating the 350 and 450 models, the complete range of domestic vacuum units by Sistem Air has new high efficiency motors with high performance. As a result there is now a **reduction in energy consumption of over 20%** .



4 - Smart management software

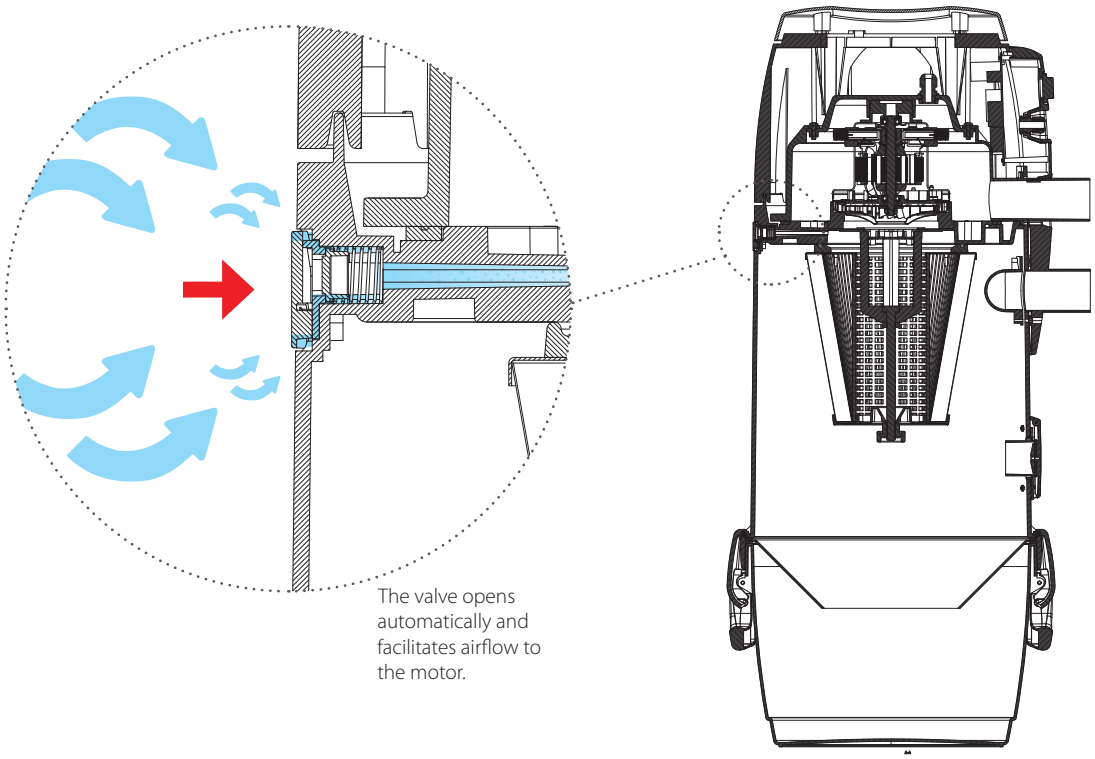
The Tecno R-evolution vacuum unit has a new control board for maintenance management, with an electronic third-generation microprocessor, connected to pressure detectors and set up to interact simply with the user.
Maintenance can be customized by the user, who can read the display panel messages of the vacuum unit conditions and the procedures to follow in case of malfunction.
The sensor gives the current condition of the vacuum unit.
During the initial installation, it is necessary to set up the data for the warranty activation.
It is possible to maintain the producer settings, or customize them according to personal needs (following the instructions in the technical manual). It is then possible to insert the assistance contact phone numbers.
The vacuum unit measures:

- **if the dust bin is full (cyclonic filtration)**
- **if the dust bag is full (bag filtration)**
- **filter efficiency**
- **the depression value**
- **hours of work**
- **hours of power on**
- **electrical consumption**



6 - Breaker valve

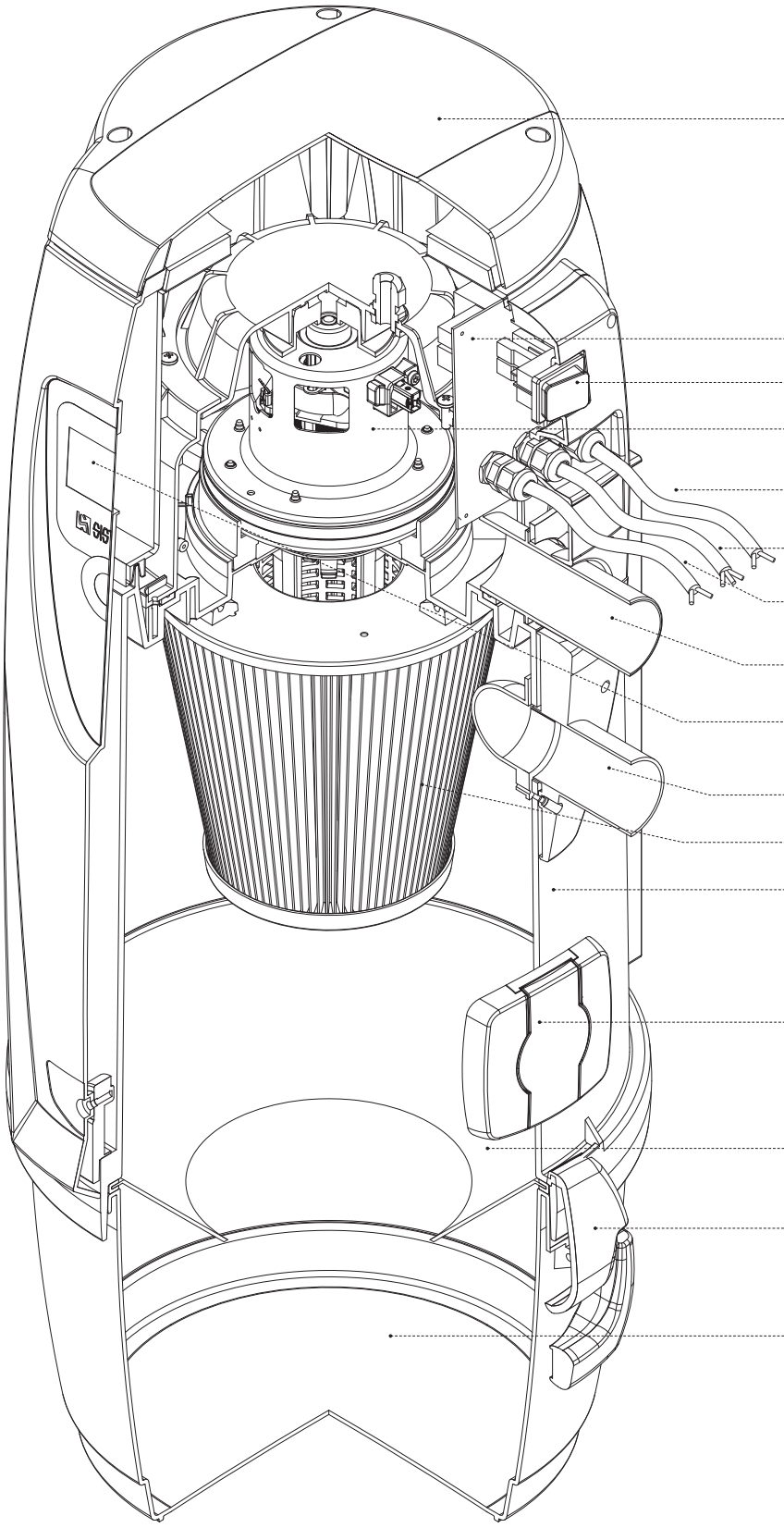
On Tecno R-evolution vacuum units there is a breaker valve that allows air to enter inside the motor when the air inlet is closed, to avoid motor operation in critical conditions.
The automatic cut-in facilitates the work of the thermal protection.



The valve opens automatically and facilitates airflow to the motor.

TECNO R-EVOLUTION

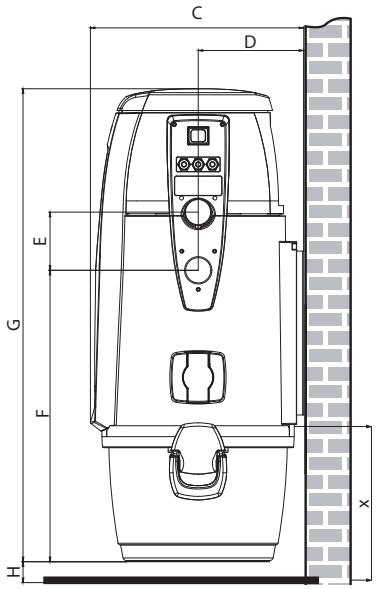
Tecno R-evolution SECTION

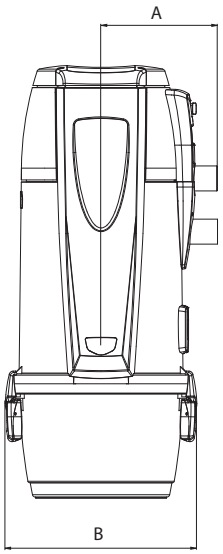


1 Soundproofing dome
2 Electronic board
3 ON/Off button
5 Motor assembly
6 Switch-on signal cable (Micro line)
7 Power supply cable
8 Maintenance alarm auxiliary signal cable
4 Air vent
9 Maintenance computer
10 Dust inlet with cyclonic filtering
11 Filter cartridge
12 Body
13 Vacuum inlet available with cyclonic filtering
14 Conveyor cone
15 Handle and closing clip
16 Dust container (bin)

MEASUREMENTS AND TECHNICAL DATA

Domestic vacuum units can be used by 1 user.
We recommend choosing the unit according to the surface area to be cleaned, in order to ensure long life and best performance over time.
Other selection criteria are size of the central unit, capacity of the dustbin and filtering surface of the filter.





		Tecno R-evolution			
Model		Tecno R-evolution 150	Tecno R-evolution 250	Tecno R-evolution 350 NEW	Tecno R-evolution 450 NEW
Article		**3110.2T**	**3112.2T**	**3113.3T**	**3115.3T**
Computer maintenance		YES	YES	YES	YES
Air inlet/air discharge	Ø mm	50	50	50	50
Protection degree	IP	44	44	44	44
Supply	V ac	220/240	220/240	220/240	220/240
Frequency	Hz	50/60	50/60	50/60	50/60
Motor power	kW	1,25	1,35	1,45	1,50
Absorption	A	5,0	5,6	6,3	6,7
Vacuum inlets supply	V dc	12	12	12	12
Maximum air flow	m^3/h	200	234	240	180
Filtering surface	cm^2	6700	6700	6700	6700
Dust container capacity	l	21	21	21	21
Bi Vac bag capacity	l	18	18	18	18
Air vent		YES	YES	YES	YES
Air discharge silencer (Ø 50 mm)		YES	YES	YES	YES
Weight	kg	17	17	17	18
Measurement A	mm	230	230	230	230
Measurement B	mm	370	370	370	370
Measurement C	mm	380	380	380	380
Measurement D	mm	185	185	185	185
Measurement E	mm	108	108	108	108
Measurement F	mm	585	585	585	585
Measurement G	mm	915	915	915	915
Measurement H (min.)	mm	100	100	100	100
Measurement X (min.)	mm	400	400	400	400
Noise level lower than	dB(A)	70			

N. B: Nominal noise level values. Levels may vary according to environment and manner in which the unit is installed.

CERTIFICATIONS

CE **Marking**

IP 44 **Protection degree**

Electrical insulation
CLASS I

Tecno R-evolution Line – device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

N.B.: installation must be carried out in strict compliance with current regulations.

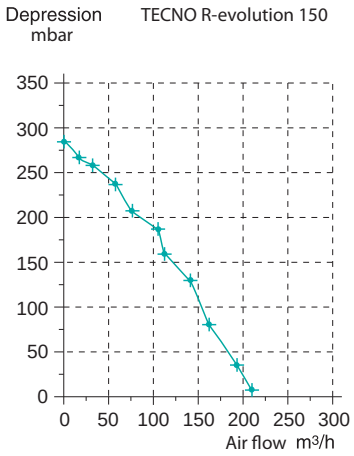
TECNO R-EVOLUTION

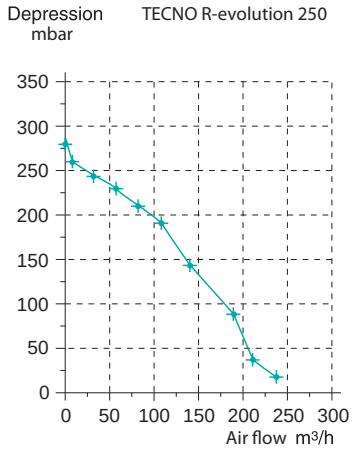
TECHNICAL FEATURES

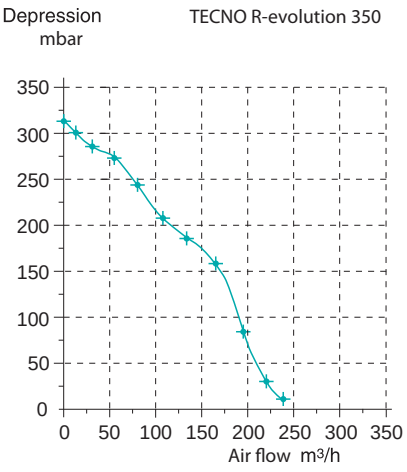
The central vacuum cleaners of the Tecno R-evolution series are made of plastic materials, polypropylene and ABS, in order to give strength and durability to the structure, combined with pleasant aesthetics.
They are designed and produced in conformity with all regulations in force and European directives, whilst taking into account functionality, power and capacity.

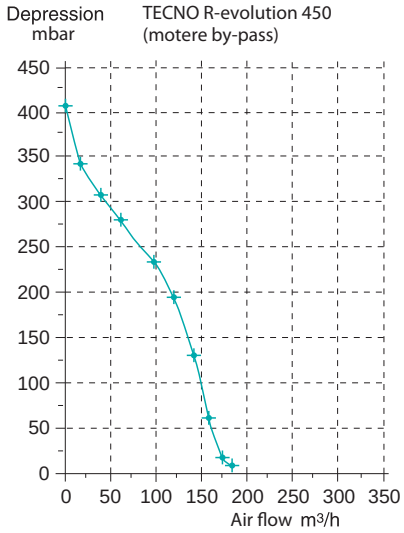
Main technical characteristics can be listed as follows:
- Self-supporting cylindrical polypropylene body.
- Protection and covering in Polypropylene and ABS.
- Polypropylene dust collector with nylon handles PA6 (capacity l 21).
- Soundproof motor compartment (noise level under 70 dB A);
- Optional connection of the pipes from the left or from the right;
- Single phase electric motor assembly with specific brushes for vacuum units (see all models).
- Cut-out valve motor protection
- Water washable, Class M certified filter cartridge, in polyester and aluminum fiber.
- Double protection electric control board, with fuses both on the main and secondary circuit.
- Earth connection with static discharge on the filter.
- Programmable computer for maintenance cycles with dedicated software which can show if the unit needs maintenance;
- Pressure transducer connected to the computer, to measure filter efficiency and dust bag level.
- Soft Start system integrated in the microprocessor board, specific for vacuum systems, with current control.
- Safety temperature sensor protection for the motor with automatic stop-start.
- Vacuum inlet supply 12 V dc.
- Option of auxiliary warning connection for maintenance.
- Option of remote wall panel connection, which can be installed on all vacuum units.
- IP44 protection degree allows installation in high humidity rooms, on balconies or boiler rooms.
- The vacuum unit is supplied with silencer and sleeves for pipe connection.
- Suitable to be used with all Sistem Air accessories.

PERFORMANCE GRAPHS









INSTALLATION HINTS

The vacuum units are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold outside. They can be placed in technical rooms, basements, under the stairs, utility rooms… Thanks to IP44 insulation level it is possible to install them in the open air, such as balconies protected from bad weather.

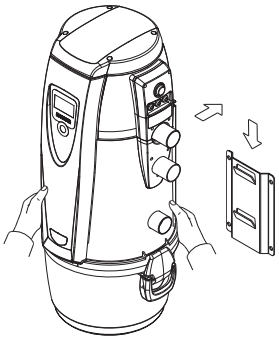
In the design stage, we recommend, identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use and maintenance.

Where the system is a multi floor installation, we recommend installing the vacuum unit on the bottom floor.
When the vacuum cleaner, due to specific installation needs is installed on the highest floors of the building with regard to the level where the pipe network is housed (attic, garret etc.), we suggest installation of a vacuum cleaner featuring a power category higher than the one needed to clean the desired surface. For any further information, do not hesitate to contact the Manufacturer Technical Service.

FISSAGGIO DELLA CENTRALE

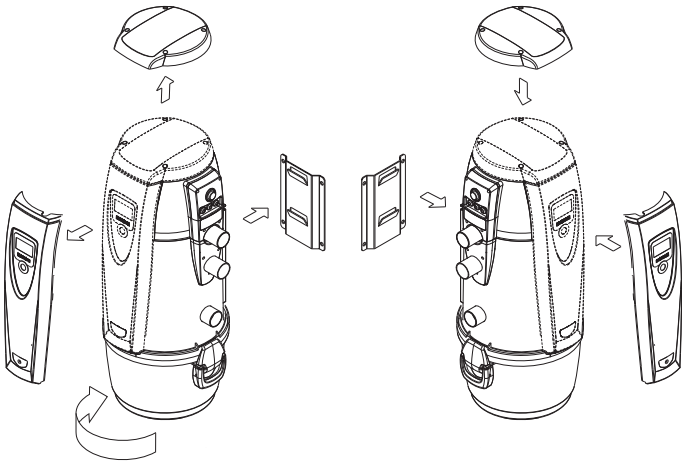
Le centrali vengono appese a una staffa di sostegno presente nella dotazione della centrale stessa. Quest'ultima deve essere fissata in modo stabile e permanente alla parete mediante l'uso di adeguati tasselli, considerando che il peso complessivo da sostenere può arrivare ad essere notevolmente maggiore del peso della centrale stessa (consultare tabelle Dati Tecnici pag 27).

N.B. La centrale deve essere fissata in modo che il secchio risulti ad un'altezza da terra maggiore di 10 cm.



REVERSIBILITÀ COLLEGAMENTI

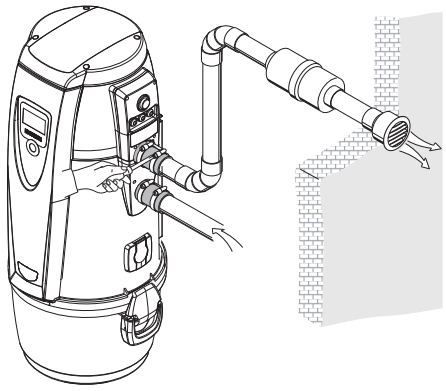
Tutte le centrali Tecno Revolution sono predisposte per **essere collegate alla rete tubiera sia a destra che a sinistra.**
La trasformazione è semplice e veloce.



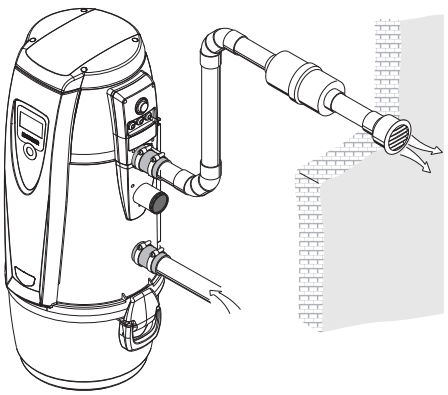
PIPE CONNECTION

The Tecno R-evolution vacuum units are supplied with silencer Ø 50 mm, sleeves and hose clamps for pipe connection.

WARNING: if the discharge pipe is longer than 5 meters it is necessary to install a bigger diameter (ex. 63 mm) in order to reach the optimal conditions for air expulsion.



A **Installation with cyclonic filtration**
Connect the central unit to the piping system using the standard connections supplied by the manufacturer.

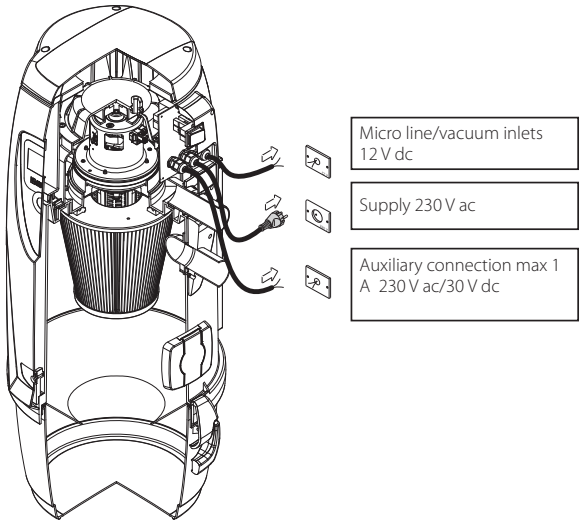


B **Installation with bag filtration**
Connect the vacuum unit to the pipe network. With this installation, the connection to the inlet pipe is made with the additional connection provided.

TECNO R-EVOLUTION

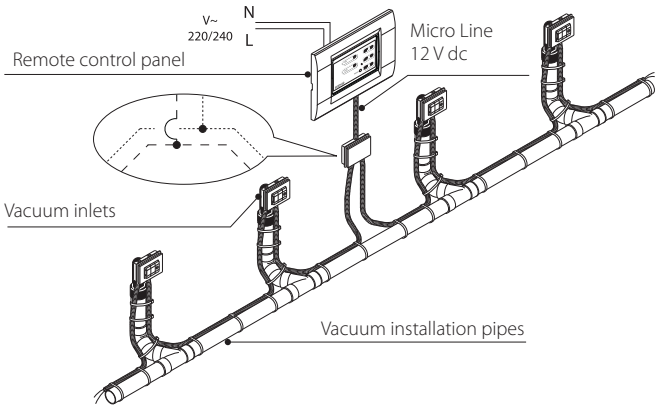
ELECTRICAL CONNECTION

During installation, adhere rigorously to IEC and national power supply regulations.
N.B. if a fuse must be replaced, ensure it has the correct amperage and it is a SB fuse-motor.



CONNECTION TO REMOTE PANEL (optional)

It is possible to connect the Tecno R-evolution vacuum units to a remote control panel for maintenance.
N.B. this panel is a reminder for the final user, it doesn't communicate with the computer on the unit that has the priority over the remote panel.



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions of the technical manual and of the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust-bin, bag substitution, checking that the electric motor works correctly, possible air discharge obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorized staff.
For more details, technical information and assistance please visit our web site **www.sistemair.com**

TECNO R-evolution
Domestic

The Tecno R-evolution unit represents "state of the art" in domestic central vacuum units: Strong, reliable and technological, it has a computer that manages maintenance.
And many other advantages…






TECNO R-evolution
Domestic
SISTEM AIR
150

TECNO STYLE

energysaving

Tecno Style vacuum units have been produced to satisfy the needs of customers for a basic product, characterized by quality, selected materials and careful assembly.
The standard version of the central unit has an integrated service inlet in the body.



MINI STANDARD

INSTALLATION AREA

Tecno Style vacuum units can be installed in residential buildings with the following features:

- Surfaces between 30 and 450 m^2
- Suitable for 1 user
- Pipe network Ø 50 mm/Ø 2"
- 220/240 Vac supply
- Non-continuous use for household dust vacuum
- Air exhaust to the outside
- It can be installed in utility rooms, service rooms and basements.

Tecno Style SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Recommended vacuum inlets	Number of users
Tecno Style MINI	**150 m²**	**3107.1TER**	4	1
Tecno Style 150	**150 m²**	**3110.1TER**	4	1
Tecno Style 250	**250 m²**	**3112.1TER**	7	1
NEW Tecno Style 350	**350 m²**	**3113.3TER**	11	1
NEW Tecno Style 450	**450 m²**	**3115.3TER**	16	1

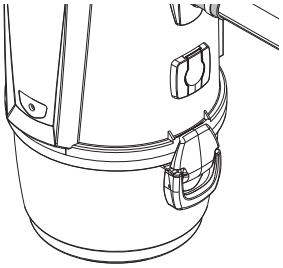
MAIN FEATURES OF THE PRODUCT

- **Integrated inlet**
- **Energy saving vacuum unit**
- **Soft Start device**
- **CE marking**
- **IP protection degree**
- **Isolation class 2**
- **Max number of users**

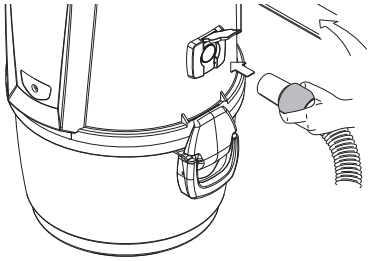
PRODUCT SPECIFICS

1 - Integrated service inlet

The vacuum units with standard body have a useful service inlet on board that can be used to clean surfaces and objects near the central vacuum unit.



To use the service inlet, just insert the vacuum hose, without a micro-line connection.

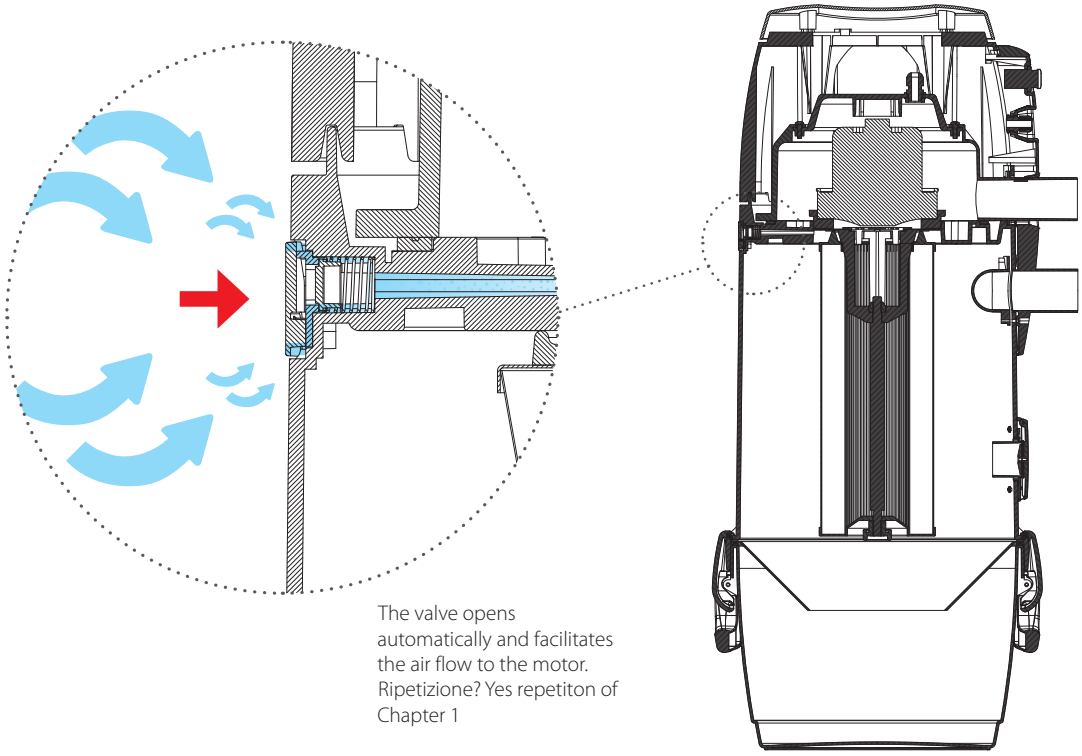


The inlet can be controlled by the ON/OFF buttons on the front of the central unit.



2 - Breaker valve

On Tecno Style vacuum units there is a breaker valve that allows air to enter inside the motor when the air inlet is closed, to avoid the motor operating in critical conditions.
It opens automatically and facilitates the work of the thermal protection.



The valve opens automatically and facilitates the air flow to the motor. Ripetizione? Yes repetiton of Chapter 1

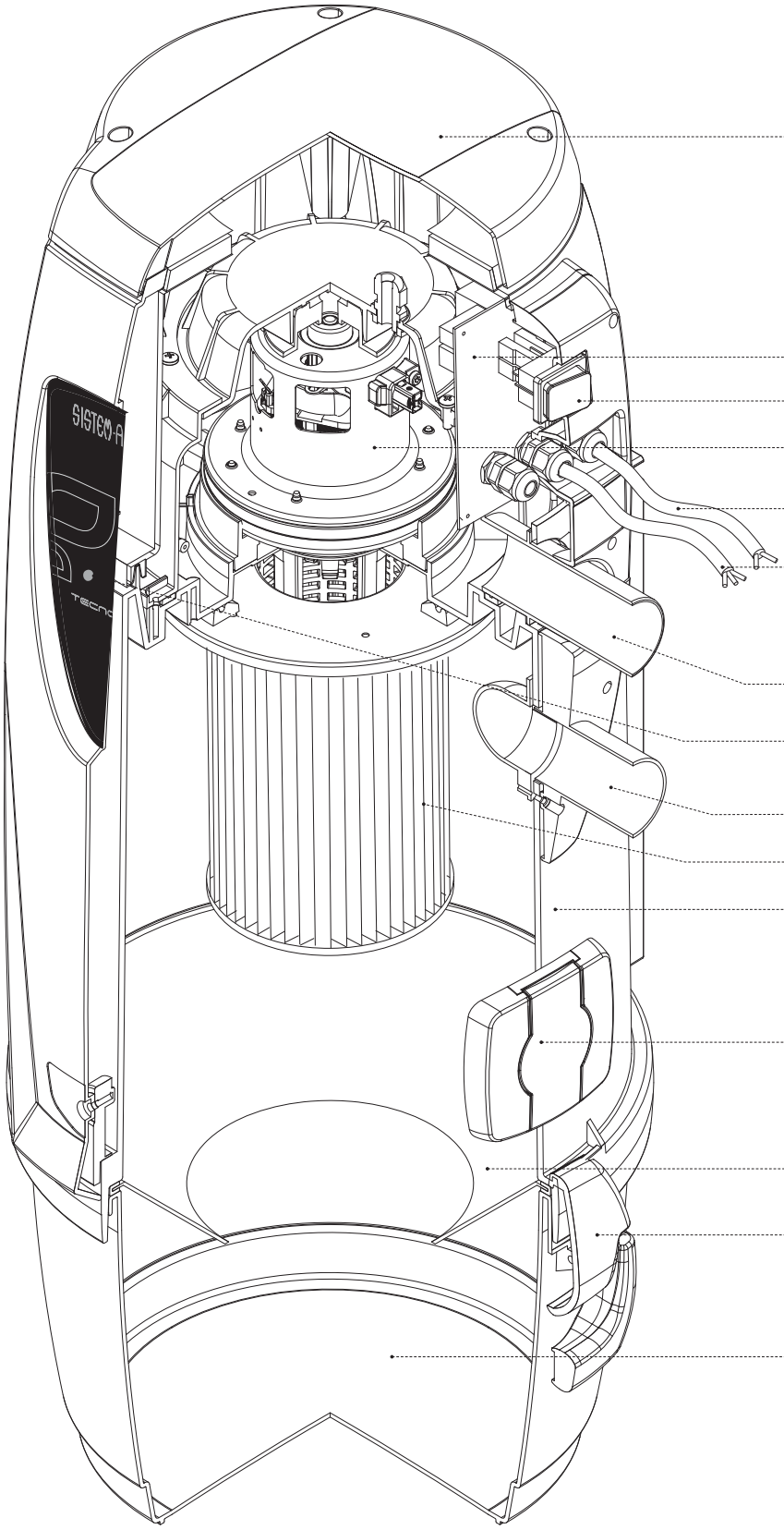
3 -ENERGY SAVING

After updating the 350 and 450 models, the complete range of domestic vacuum units by Sistem Air has new high efficiency motors with high performance. As a result there is now a **reduction in energy consumption of over 20%** .



TECNO STYLE

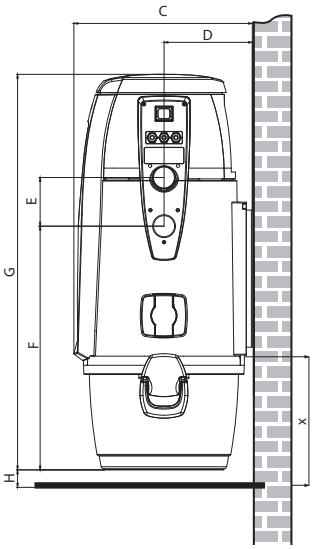
Tecno Style SECTION

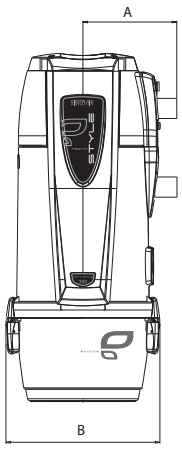


1 Soundproof dome
2 Electronic board
3 ON/Off button
4 Motor
5 Switch-on signal cable (Micro line)
6 Power supply cable
7 Air vent
8 On-board inlet button
9 Dust inlet
10 Filter cartridge
11 Body
12 On board inlet
13 Conveyor cone
14 Handle and closing clip
15 Dust container (bin)

MEASUREMENTS AND TECHNICAL DATA TECNO STYLE

Domestic vacuum units can be used by 1 user.
We recommend choosing the unit according to the surface area to be cleaned, in order to ensure long life and best performance over time.
Other selection criteria are the size of the central unit, the capacity of the dustbin and the filtering surface of the filter.





TECNO Style		TECNO Style MINI	TECNO Style 150	TECNO Style 250	TECNO Style 350 NEW	TECNO Style 450 NEW
Model Article		**3107.1TER**	**3110.1TER**	**3112.1TER**	**3113.3TER**	**3115.3TER**
On board inlet		NO	YES	YES	YES	YES
Air inlet/air discharge	Ø mm	50	50	50	50	50
Protection degree	IP	20	20	20	20	20
Supply	V ac	220/240	220/240	220/240	220/240	220/240
Frequency	Hz	50/60	50/60	50/60	50/60	50/60
Motor power	kW	1,25	1,25	1,35	1,45	1,50
Absorption	A	5,0	5,0	5,6	6,3	6,7
Vacuum inlets supply	V dc	12	12	12	12	12
Maximum air flow	m^3/h	200	200	234	240	180
Filtering surface	cm^2	3100	6700	6700	6700	6700
Dust container capacity	l	15	21	21	21	21
Air vent		SI	SI	SI	SI	SI
Air discharge silencer (Ø 50 mm)		SI	SI	SI	SI	SI
Weight	kg	8,5	17	17	17	18
Measurement A	mm	210	230	230	230	230
Measurement B	mm	325	370	370	370	370
Measurement C	mm	345	380	380	380	380
Measurement D	mm	168	185	185	185	185
Measurement E	mm	108	108	108	108	108
Measurement F	mm	315	585	585	585	585
Measurement G	mm	650	915	915	915	915
Measurement H (min.)	mm	100	100	100	100	100
Measurementa X (min.)	mm	350	500	500	500	500
Noise lever lower than	dB(A)	70				

N. B: levels of nominal noise. Levels can vary according to the environment where the unit is installed and the kind of installation.

CERTIFICATIONS

IP protection degree

IP 20

Electrical insulation Class

CLASSE II

Tecno Style Line
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONIZED STANDARDS:
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

Compliance to REACH DIRECTIVES

N.B.: installation must be carried out in strict compliance with the regulations in force.

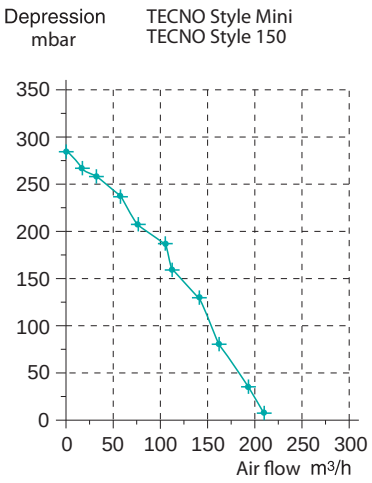
TECNO STYLE

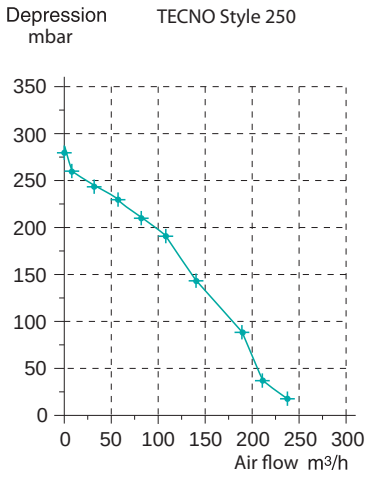
TECHNICAL FEATURES

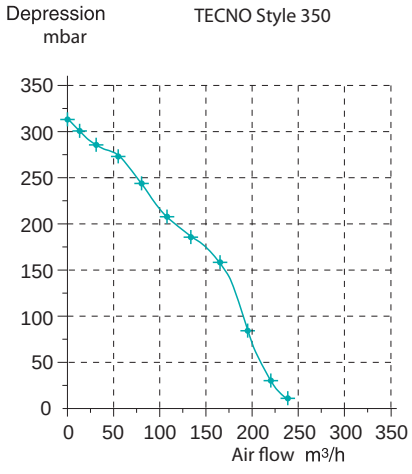
The central vacuum cleaners of the Tecno Style series are made of plastic materials, polypropylene and ABS, such as to give strength and durability to the structure, with a pleasant aesthetic line.
They are designed and produced in conformity with all regulations in force and European directives but also take into account functionality, power and capacity.

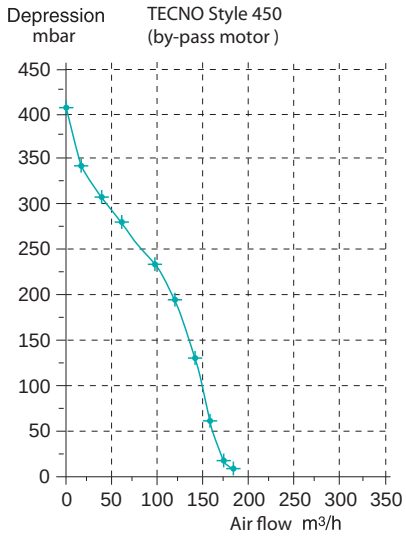
Additional features:
- Self-supporting cylindrical polypropylene body.
- Protection and covering in Polypropylene and ABS.
- Polypropylene dust collector with handles in nylon PA6 (capacity l 21).
- Soundproof motor compartment (noise level under 70 dB A);
- Possible connection of pipes from the left or from the right;
- Motor assembly with electric single phase motors with specific brushes for vacuum units (see all models);
- Breaker valve to protect the motor
- Filter cartridge certified class M, in polyester, washable with water.
- Double protection electric control board, with fuse block switches both on the main and secondary circuit.
- Soft Start system integrated in the microprocessor board, specific for vacuum systems, with current control.
- safety temperature sensor which protects the motor with automatic stop and start
- Vacuum inlets supply 12 V
- Option of connecting a remote wall panel that can be installed with all vacuum units
- The vacuum unit is supplied with silencer and sleeves for pipe connection.
- Suitable to be used with all Sistem Air accessories.

PERFORMANCE GRAPHS







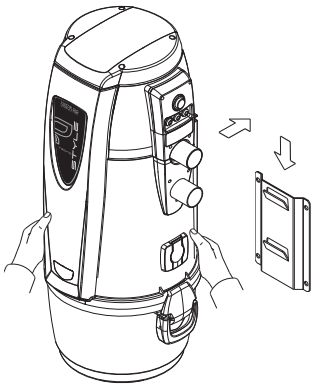


INSTALLATION

The vacuum units have a connection with the air discharge, in order to expel dust particles that the filter cannot hold.
They can be placed in technical rooms, basements, under the stairs, utility rooms… Thanks to IP44 insulation level it is possible to install them in the open air, such as balconies protected from bad weather.
We recommend, in the design phase, to identify the best location for the central unit with respect to the system, leaving a reasonable space for installation, use and maintenance.
If the system is installed on many floors, we recommend locating the vacuum unit on the bottom floor.
When the vacuum cleaner, for specific installation needs, is installed on the highest floors of the building with regard to the level where the pipe network is housed (attic, garret etc.), we suggest installation of a vacuum cleaner featuring a power category higher than the one needed to clean the desired surface. For any further information, do not hesitate to contact the Manufacturer's Technical Service.

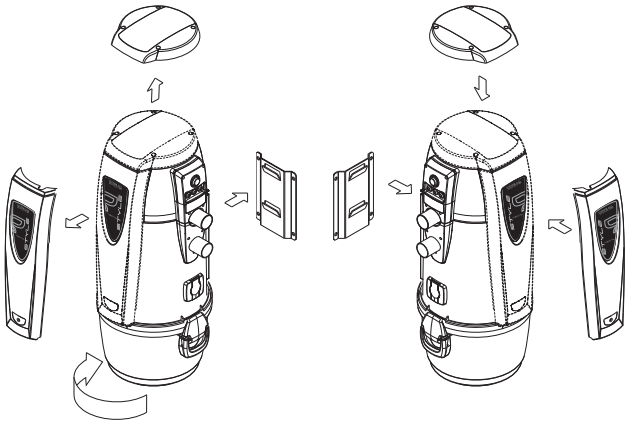
FISSAGGIO DELLA CENTRALE

The vacuum cleaner must be securely and permanently fixed to a solid wall using the bracket provided and the suitable wall anchors or plugs, taking into account that the total weight to be supported can be signicicantly heavier than the vacuum unit itself (see technical data pag. 33).
N.B.: The vacuum unit should be positioned high enough off the ground to allow the dust collection bin to be emptied and the filter to be replaced in a simple way (at least 10 cm).



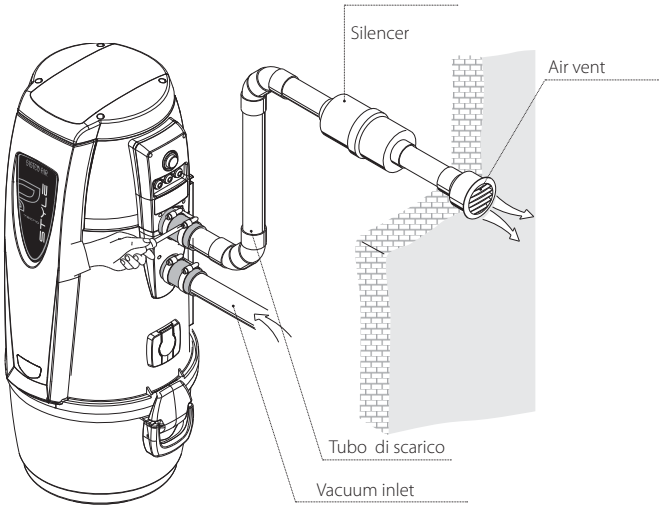
REVERSIBLE CONNECTIONS

All Tecno R-evolution vacuum units can be **connected to the pipe network both from the right or from the left**.
Modification is simple and fast.



PIPE CONNECTION

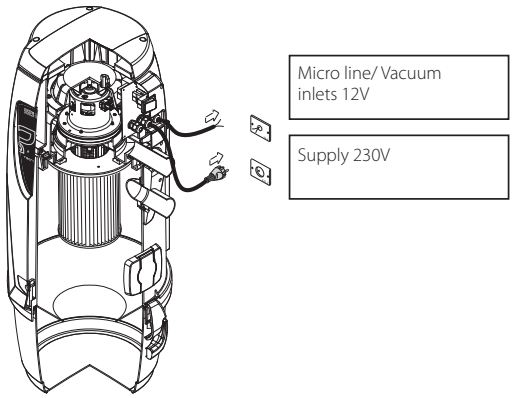
The Tecno Style vacuum units are supplied with silencer Ø 50 mm, sleeves and hose clamps for pipe connection.
WARNING: if the discharge pipe is longer than 5 meters it is necessary to realize it with a bigger diameter (ex. 63 mm) in order to reach the optimal conditions for air expulsion.



TECNO STYLE

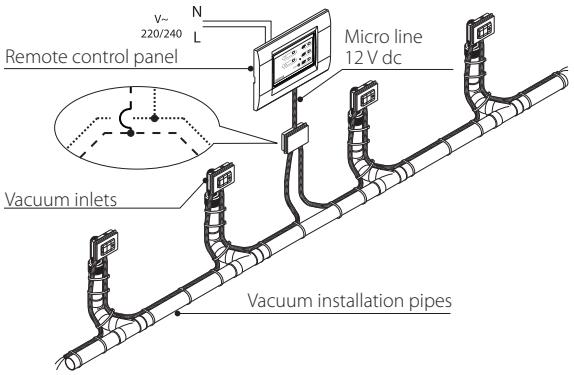
ELECTRICAL CONNECTION

During installation adhere rigorously to IEC and national power supply regulations.
N.B. if a fuse must be replaced, make sure it has the correct amperage and it is a SB fuse-motor.



CONNECTION TO REMOTE PANEL (optional)

It is possible to connect the Tecno Style vacuum units to a remote control panel for maintenance.



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions of the technical manual and of the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust bin, bag substitution, check that the electric motor works correctly, verify possible obstructions of air discharge.
All extraordinary maintenance operations must be carried out by qualified and/or authorized staff.
For more details, technical information and assistance please visit our web site **www.sistemair.com**

TECNO STYLE

Tecno Style vacuum units are a combination of power and reliability, perfect for those looking for an essential and high quality product.






SISTEM AIR
TECNO STYLE
OUT
IN
TECNO STYLE 250
clean with Style

TECNO STAR DUAL POWER

TECNO Star Dual Power

energysaving

Tecno Star Dual Power is a unique product, with hybrid features: benefitting from two domestic motors (with brushes), it is able to work for two users at the same time, with larger surfaces compared to traditional domestic vacuum units. Thanks to the control board it is possible to check the vacuum unit condition and maintenance requirements.



INSTALLATION AREA

Tecno Star Dual Power vacuum unit can be installed in buildings with the following features:

- Surfaces between 30 and 450 m^2
- Suitable for 2 users
- Pipe network Ø 50 - 63 mm/Ø 2"
- 220/240 Vac supply
- Non-continuous use for household vacuum dust
- External air exhaust
- Can be installed in utility rooms, service rooms, basements and balconies protected from bad weather.

Tecno Star Dual Power MODEL SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Recommended vacuum inlets	Max number of users
Tecno Star Dual Power	**Max 350 m^2** **Max 450 m^2**	**3116.2TS**	16	1+1

MAIN FEATURES OF THE PRODUCT

- **Maintenance Computer**
- **Filter self-cleaning option**
- **Energy saving vacuum unit**
- **Soft Start device**
- **CE marking**
- **IP protection degree**
- **Isolation class 1**
- **Max number of users**

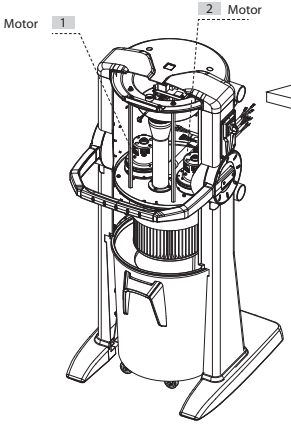
Main features of the product

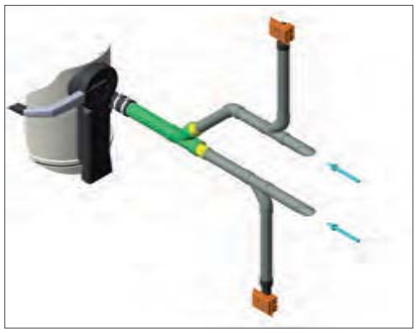
1 - Simultaneous operation with 2 users

Thanks to the presence of two motors, Tecno Star Dual Power vacuum unit can be used by two simultaneous users in a domestic sector (vacuum of domestic dust) for surfaces up to 450 m/sq. Using the maintenance computer, it is also possible to set up the "Turbo" function that enables both the motors for a more powerful vacuum.

Two simultaneous users
OPTION 1 –Motor



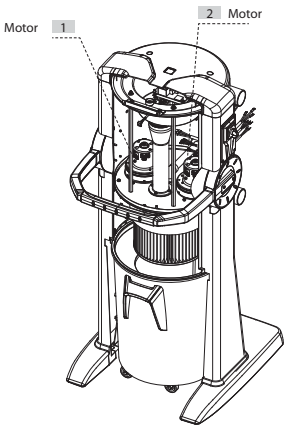




The surface is separated into two areas (for example a two-family villa), each area has its own vacuum pipe, with a micro line that controls the single motor. The two pipe networks join in a connection that reaches the vacuum unit. Each motor can be used by a single user on one area.
With the Turbo function, both motors can be used by a single user for a more powerful vacuum.

Two simultaneous users
OPTION 2





Single area surface (large villa), with a single pipe network Ø 63 mm with reductions Ø 50 mm used to connect the vacuum inlets.
The complete installation has a single micro line controlling the two motors.



TECNO STAR DUAL POWER

2 -Smart management software

The Tecno Star Dual Power vacuum unit has a new control board for maintenance management, with an electronic second-generation microprocessor, connected to pressure detectors and set up to interact simply with the user.
Maintenance can be customised by the user, who can read the display panel messages of the vacuum unit condition and the procedures to follow in case of malfunction.
The sensor gives the current condition of the vacuum unit.
During the initial installation, it is necessary to set up the data for the **warranty activation**.
It is possible to maintain the producer settings, or customise them according to personal needs (following the instructions in the technical manual).
It is then possible to insert the assistance contact phone numbers.
La centrale rileva:

- **if the dustbin is full**
- **filter efficiency %**
- **the depression value**
- **if programmed maintenance is required (two levels)**
- **hours of work**
- **hours of power on**
- **electrical consumption**



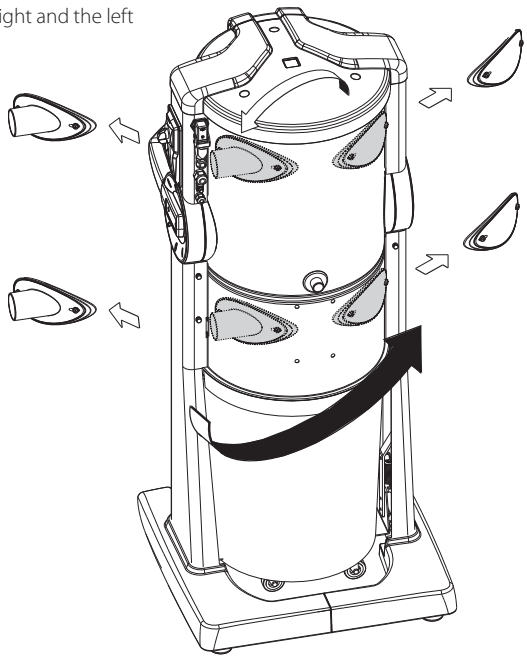
3 - Energy saving

Tecno Star Dual Power has latest-generation motors with high performance and low consumption. The option of using the two motors separately offers a further advantage: it is possible to use the two motors simultaneously only when necessary, with a considerable energy saving.



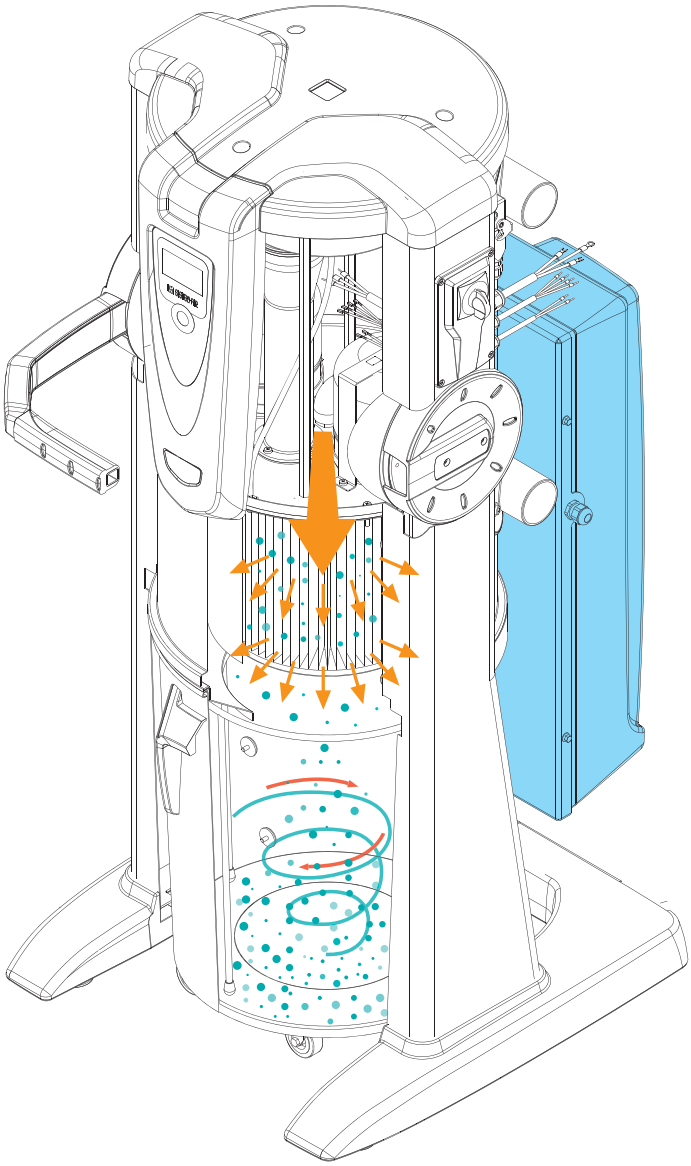
4 - Reversible connections

Tecno Star Dual Power is designed to be connected to the pipe network both from the right and the left side. The change is quick and easy.



5 - Automatic system for filter cleaning

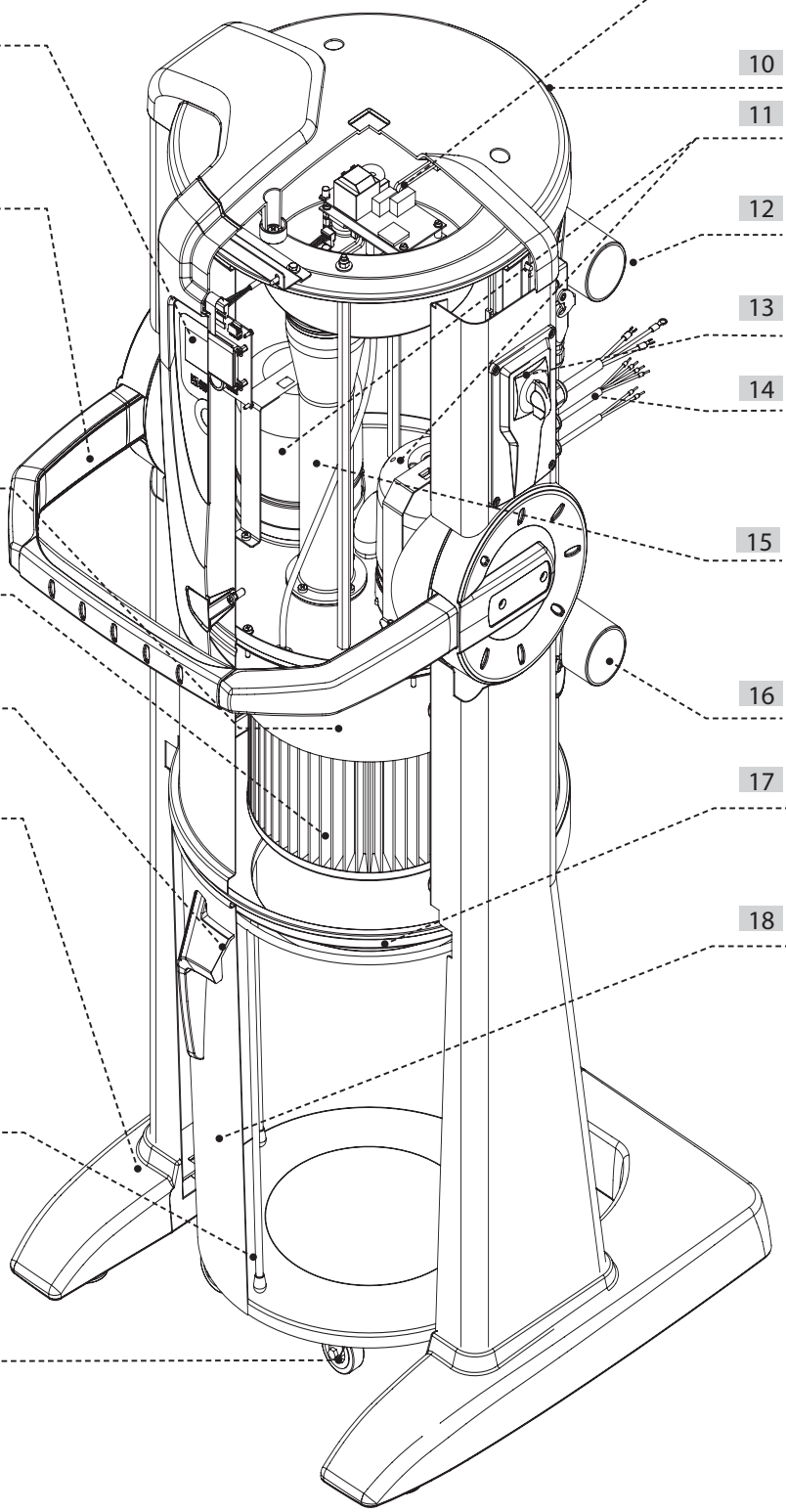
Tecno Star Dual Power is designed for the installation of the Autocleaner system: a reversed compressed air spray crosses the filter and the dust on the filter surface or between its folds, can drop inside the dustbin.
This device can be installed after the vacuum unit installation, using its pneumatic and electrical connections: the control board is already set up to manage Autocleaner.
Connect the central unit to the piping system using the standard connections supplied by the manufacturer.





TECNO STAR DUAL POWER

TECNO STAR DUAL POWER - SECTION Tecno Star Dual Power

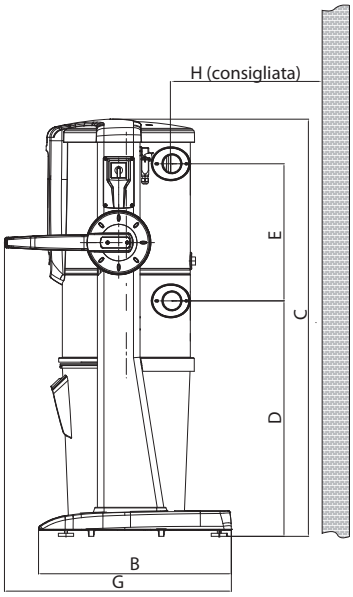


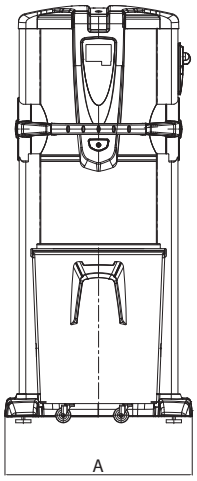
1 Maintenance computer
2 Handle and closing clip
3 Filter protection
4 Filter cartridge
5 Handle
6 Base
7 Bag stretcher
8 Wheels
9 Electronic board
10 Cover
11 Motor group
12 Air discharge
13 General switch
14 Supply cables, micro lines, aux contact
15 Breaker valve
16 Vacuum inlet
17 Conveyor cone
18 Dust container

MEASUREMENTS AND TECHNICAL DATA

Tecno Star Dual Power vacuum units have two motors, whose operation depend on how the vacuum unit is used and on the number of micro lines that have been connected and enabled.
In fact it is possible to connect two micro lines to the vacuum unit, to cover two different areas of the installation system (for example two areas of the same installation, two levels or two independent apartments).
Indeed, through the control board it is possible to choose whether to vacuum one single area covered by a single micro line, with or without greater power (one user), or to use the maximum power to vacuum two areas covered by two separated micro lines simultaneously (two users), in the domestic sector, or the professional sector with small areas.

Note: It is not possible to use two operators simultaneously if the total surface is more than 350 m2 and if the pipe network hasn't been properly designed. We recommend choosing the unit according to the surface area to be cleaned, in order to ensure long life and best performance over time (see Installation chapter).





Tecno Star Dual Power line		
Model **Article**		TECNO Star Dual Power **3116.2TS**
Computer maintenance		SI
Dust inlet	Ø mm	63
Air vent	Ø mm	63
Protection degree	IP	20
Supply	V ac	220/240
Frequency	Hz	50/60
Power	kW	1,35x2
Absorption	A	11,2
Vacuum inlets supply	V dc	12
Maximum air flow	m^3/h	400
Filtering surface	cm^2	17000
Dust container capacity	l	62
Air discharge		SI
Air discharge silencer		SI
Weight	kg	55
Measurement A	mm	615
Measurement B	mm	633
Measurement C	mm	1369
Measurement D	mm	773
Measurement E	mm	450
Measurement G	mm	745
Measurement H	mm	600
Noise level with 1 motor	dB(A)	64
Noise level with 2 motors	dB(A)	69

N. B: Nominal noise level values. Values may vary according to environment and manner in which the unit is installed.

CERTIFICATIONS

CE marking

IP 20 **IP protection degree**

Electrical insulation Class I

Tecno Star Dual Power line
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

Compliance to REACH Directives.

N.B.: installation must be carried out in strict compliance with current regulations.

TECNO STAR DUAL POWER

TECHNICAL FEATURES

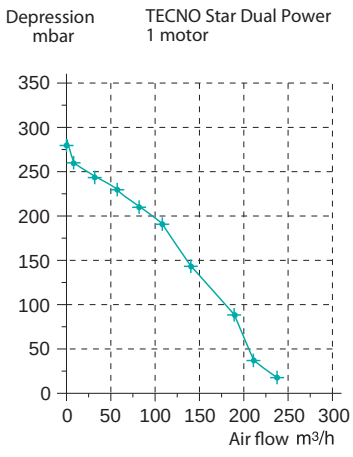
Tecno Star Dual Power vacuum units are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.

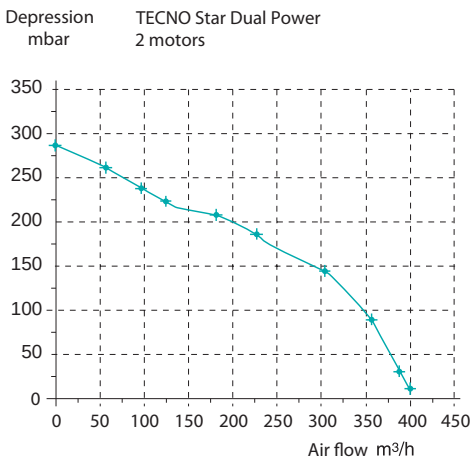
Main technical characteristics can be listed as follows:

- Metal cylindrical frame painted with epoxy powder
- Base coated with anti-shock material to protect the vacuum unit.
- Metal dustbin with wheels (capacity 62 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically.
- soundproof motor compartment for each motor, noise level in dB(A): from 64 (1 motor) to 69 (2 motors).
- Optional connection of the pipes from the left or from the right;
- Single phase electric motor assembly with specific brushes for vacuum units
- Breaker valve for vacuum flow control and motor protection.
- Water washable, Class M certified filter cartridge, made in polyester.
- Filter protection for maintenance reduction
- Double protection electric control board, with fuses both on the main and secondary circuit.
- Programmable computer for maintenance cycles with dedicated software which can show the unit activities;
- Pressure transducer connected to the computer, to measure filter efficiency and dust bag level.
- Soft Start system integrated in the microprocessor board, specific for vacuum systems, with current control.
- Safety temperature sensor protection for the motor with automatic stop-start.
- Vacuum inlet supply 12v DC.
- Option of auxiliary warning connection for maintenance.
- Option of remote wall panel connection, which can be installed on all vacuum units.
- The vacuum unit is supplied with silencer and sleeves for pipe connection.
- Suitable to be used with all Sistem Air accessories.

· Possibilità di abbinare, anche in tempi successivi, il sistema di pulizia automatica del filtro Autocleaner (v. pag. ...)

PERFORMANCE GRAPHS



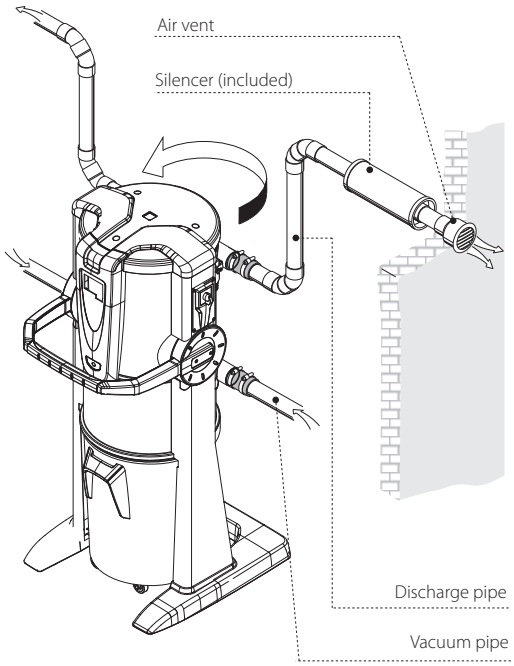


INSTALLATION HINTS

Tecno Star Dual Power vacuum units are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold outside. They can be placed in technical rooms, basements, under the stairs or utility rooms protected from bad weather, humidity and temperature leaps. Keep away from heat sources, such as stoves or radiators. (N.B.: IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance and air exchange.
Its technical features allow the connection to the pipe network from the left or from the right.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.

INSTALLING THE CENTRAL UNIT

The vacuum unit does not require special anchoring. However, it is important to check that the area for installation has the following minimum requirements, in order to be correctly and securely positioned.
- a perfectly flat, horizontal and solid surface, without cracks.
- a vibration free surface



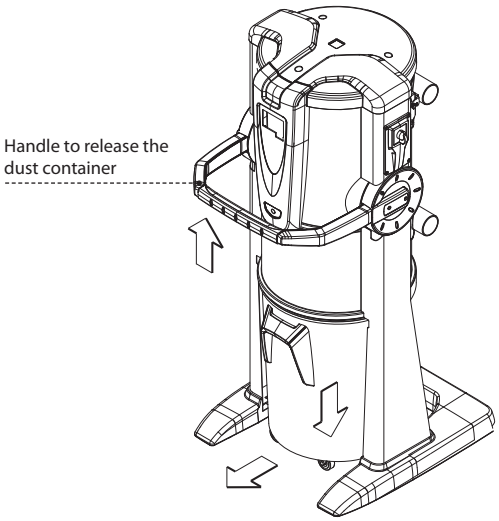
PIPE CONNECTION

Connections to pipe network and to air expulsion can be made on the left or on the right side of the vacuum unit.

WARNING: if the discharge pipe is longer than 5 meters it is necessary to install a bigger diameter (ex. 63 mm) in order to reach the optimal conditions for air expulsion.

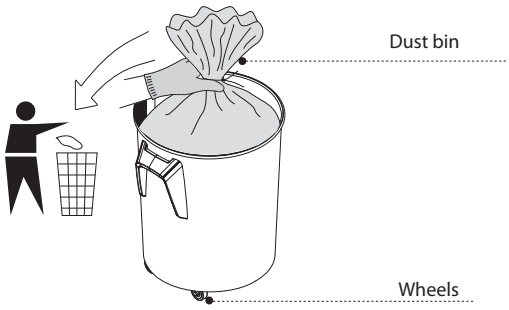
EASY BIN EMPTYING

Tecno Star Dual Power has a metal dust container with an easy opening system and a soft touch handle coated in shockproof material.



DUST CONTAINER WITH WHEELS

Thanks to its wheels, the dust container can be moved easily.



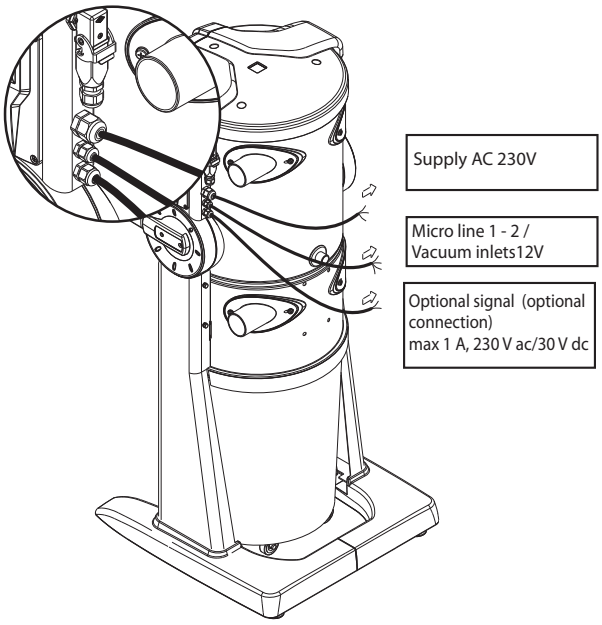
TECNO STAR DUAL POWER

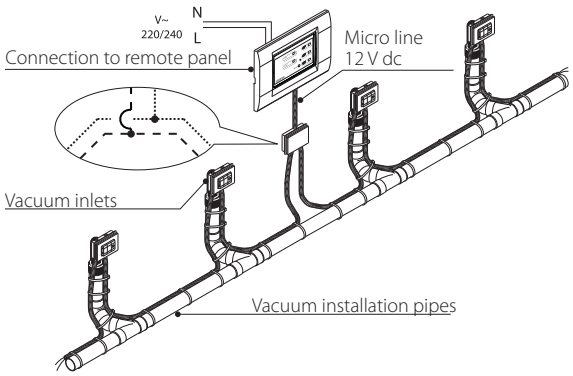
ELECTRICAL CONNECTION

N.B. if a fuse must be replaced, ensure it has the correct amperage and it is a SB motor fuse.
During installation, adhere rigorously to IEC and national power supply regulations.

CONNECTION TO REMOTE PANEL (OPTIONAL)

It is possible to connect the tecno star dual power vacuum unit to a remote control panel for maintenance.
n.b. this panel is only a reminder for the final user, it doesn't communicate with the computer on the unit, which has the priority over the remote panel.





MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust-bin, bag substitution, checking that the electric motor is working correctly, possible air discharge and obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.it**

TECNO Star
Dual Power

TECNO Star is so beautiful and quiet that it does not disturb... even the coffee break






TECNO Star
Dual Power
SISTEM-AIR

T-BOX

T-Box vacuum unit has been designed for all those situations where the aesthetic appearance is extremely important: for this reason pipes and electrical connections are not visible and remain hidden in the wiring template. In this way the vacuum unit can be installed in any environment, and isn't restricted only to a balcony, or closet.



INSTALLATION RANGE

T-BOX central vacuum unit can be installed in homes with the following characteristics:

- Wall-mounted, without exposed pipes
- surface to be cleaned between 30 -300 m2
- use by a single operator
- pipe network Ø 50 mm (in some circumstances it is possible to use Ø 40 mm pipe, please check selection table)
- 220/240 V ac power supply
- non continuous use
- frontal exhaust air or conveyed by the pipe network
- It can be installed in domestic spaces, closets, technical rooms, service rooms or balconies protected from bad weather.

T-Box SELECTION TABLE

MODEL	Suggested surface	ARTICLE	Suggested vacuum inlets	Maximum operators
T-BOX 150	**150 m²**	**8203.0**	4	1
T-BOX 300	**300 m²**	**8203.1**	7	1

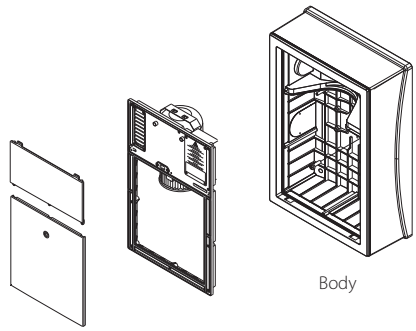
PRODUCT SPECIFICATIONS

- **Vacuum unit with filtering bag**
- **Soft Start starter**
- **Specific for vertical buildings**
- **CE conformity marking**
- **Degree of protection IP** (IP 44)
- **Insulation class 2**
- **Number of simultaneous users MAX** (1)

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CONTENT OF T-BOX VACUUM UNIT

✔ **T-BOX vacuum unit 150/300**



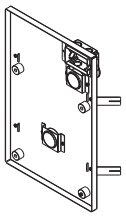
Doors (included in the box)

Motor department

Body

INSTALLATION TEMPLATE (supplied separately)

✔ **Art. 8203.4 - T-Box template**



Installation template for wall mounting

GREAT ELEGANCE

T-Box vacuum unit was created to meet the demand of the customers who are **extremely careful over aesthetic details**, and where the installed product must be coordinated to the design of the environment. Sistem Air, with this vacuum unit, succeeded in responding to this compelling aesthetic requirement, hiding the pipe connections and creating a perfect product, from a technical point of view.
T-Box vacuum unit can be installed inside houses, thanks to its quietness, and thanks to air expulsion to the outside, in order to keep al the advantages of a central vacuum system.



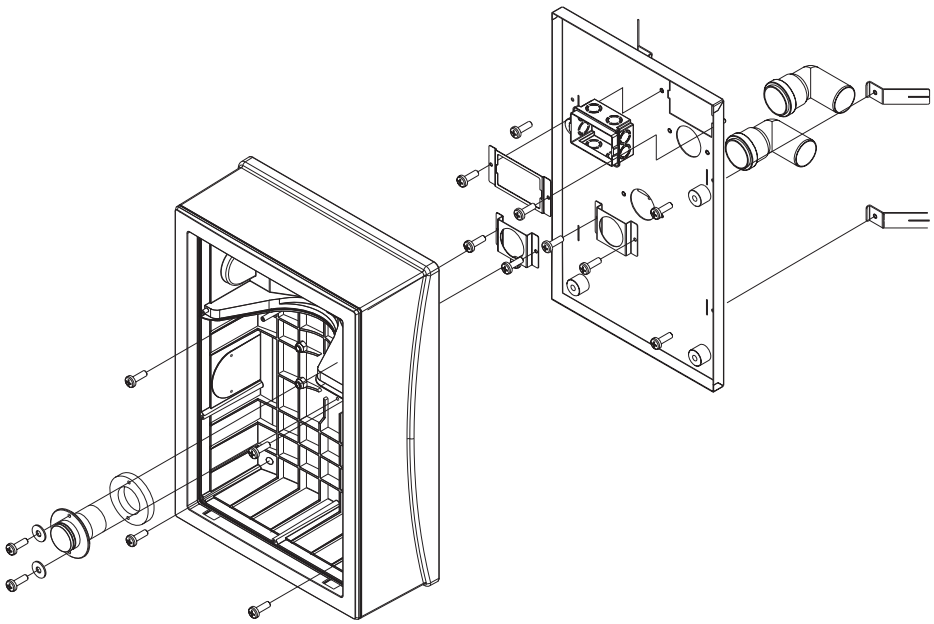
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T-BOX

PRODUCT SPECIFICATIONS

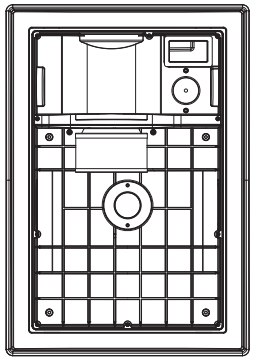
1 - Hidden connections

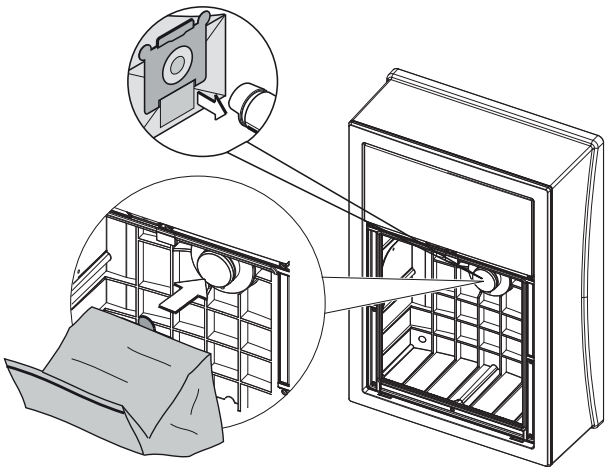
The installation template contains the pipes from the dust inlets, the air expulsion pipe if provided, the electrical connection and the micro line for the vacuum inlets and the vacuum unit starting.
Thanks to this set up, **T-Box vacuum unit hides all the connections behind the unit itself.**
Furthermore, the vacuum unit can be installed at a later time, when the construction works are finished, in an easy and quick way, without further adapting works: just connect the vacuum unit to the template.



2 - Easy maintenance

T-Box vacuum unit doesn't need filter maintenance because dusts remain inside the microfibre bag. In particular, dust entry is at the back of the vacuum unit and requires a **specific bag, art. 8220.1** (different from Wolly 2 bags).

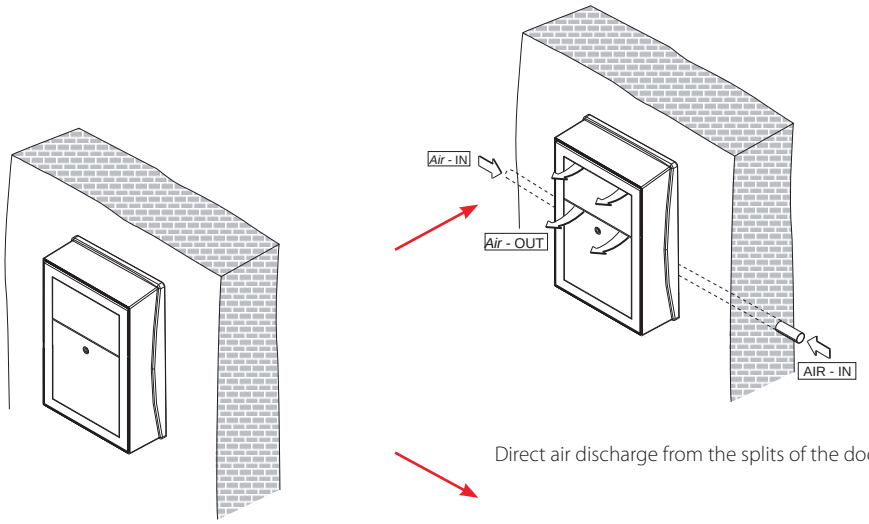




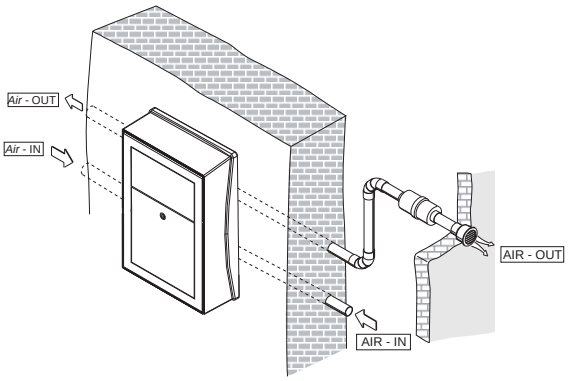
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3 - Direct air discharge, or conveyed by the pipe network

With **T-Box vacuum unit it is possible to choose the discharge option, according to its positioning**:
- In case of installation outside the house, it is possible to make a direct discharge from the frontal part of the vacuum unit
- In case of installation inside the house, it is possible to convey air discharge via a special pipe.



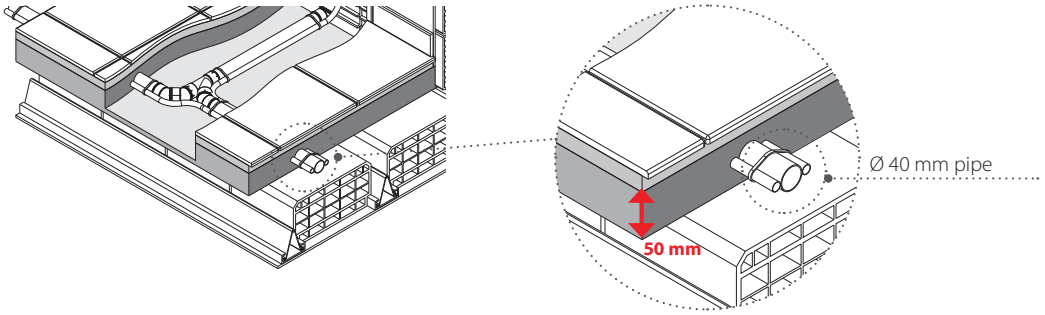
Direct air discharge from the splits of the doors



Air discharge conveyed through the special pipe

4 - Use of Ø 40 mm pipe (T-BOX 150 only)

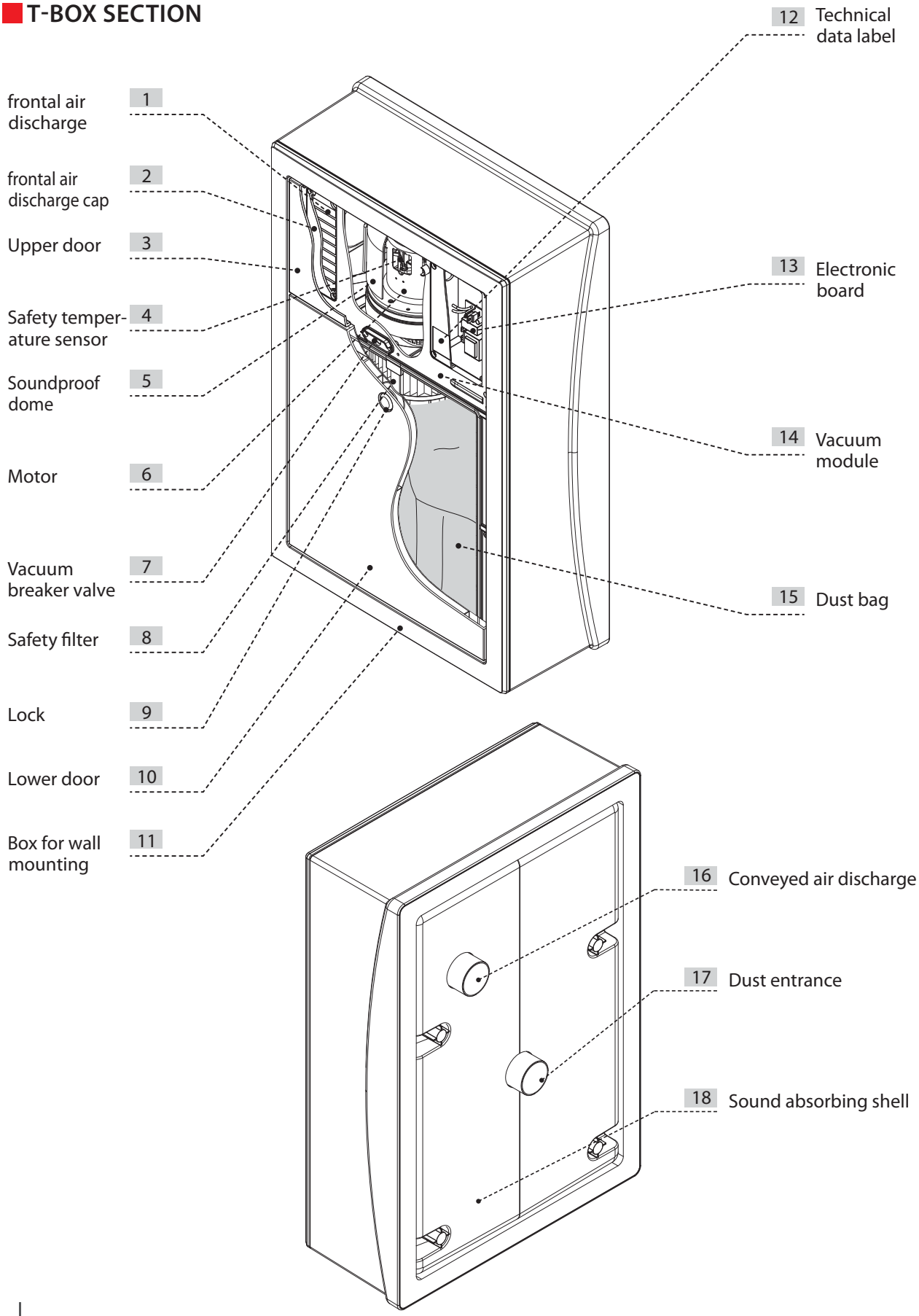
Thanks to this feature, T-Box can be installed where the foundations of the floor have reduced thickness or where the plants have many points of overlap .



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T-BOX

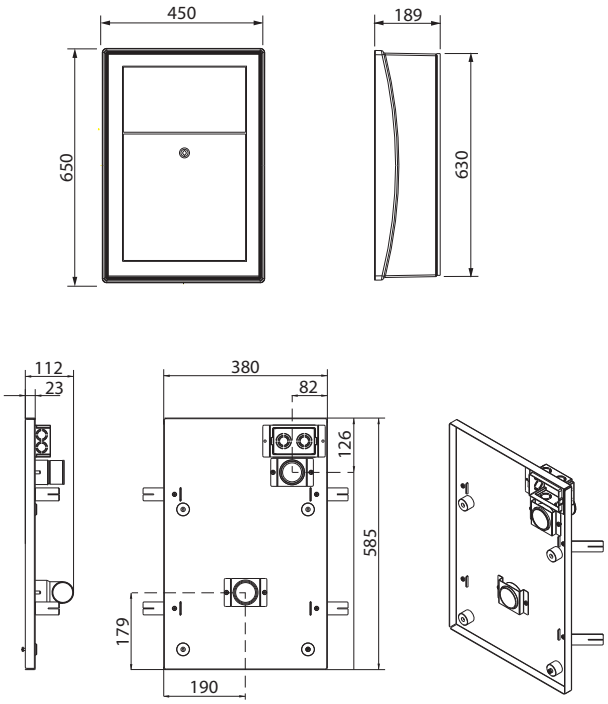
T-BOX SECTION



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MEASUREMENTS AND TECHNICAL DATA

The units are for single operator use.
We recommend choosing the unit according to the surface area to be cleaned, in order to ensure long life and best performance over time.
Other selection criteria are size of the central unit, capacity of the dustbin and filtering surface of the filter.
In the case of installation on one level, with a total area to be cleaned of 150 m2, with 3 vacuum inlets, you can use the T-Box 150 vacuum unit with pipe network of 40 mm diameter. In all other cases it is necessary to use 50 mm diameter pipe network.



T-Box			
Model **Article**		T-BOX 150 **8203.0**	T-BOX 300 **8203.1**
Maximum surface	m^2	150	300
Power Supply	V ac	220/240	220/240
Frequency	Hz	50/60	50/60
Motor power	kW	1,25	1,35
Absorption	A	5	5,6
Vacuum inlets supply	V dc	12	12
Maximum air flow	m^3/h	200	234
Maximum depression	mbar	274	272
Security filter surface	cm^2	2840	2840
Dust bag capacity	l	12	12
Weight	kg	10	10
Width	mm	450	450
Height	mm	650	650
Depth	mm	189	189
Vacuum attachment	Ø mm	40/50/2"	40/50/2"
Exhaust attachment	Ø mm	40/50/2"	40/50/2"
Noise lever lower than DB(a)	dB(A)	70	

Note: nominal noise values. Values may vary depending on the environment in which the unit is installed and the type of installation.

CERTIFICATIONS

IP protection degree

IP 44

Degree of electrical insulation

CLASSE II

T-Box Line

Units in compliance with the following standards:

RELEVANT EEC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS:
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

DIRECTIVE ROHS 2002/95

REACH compliant

N.B. installation must be carried out in strict compliance with current regulations.

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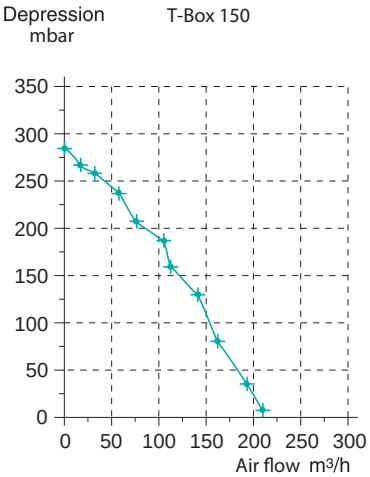
T-BOX

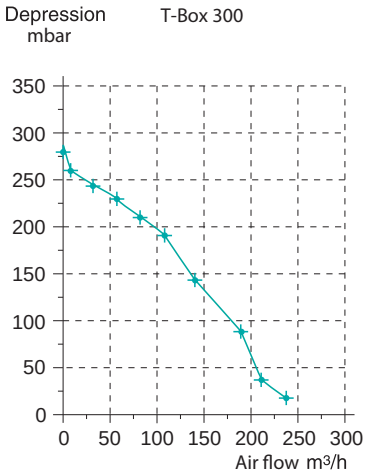
Technical features

The T-Box central vacuum cleaners are made of plastic materials, PP and ABS, in order to give strength and durability to the structure, combined with pleasant aesthetics.
They are designed and produced in conformity with all regulations in force and European directives, whilst taking into account functionality, power and capacity. Main technical characteristics can be listed as follows:

- Self-supporting polypropylene body.
- Metal installation template
- Protection and covering in Polypropylene and ABS.
- Soundproof motor compartment (noise level under 70 dB A);
- Optional connection of the pipes from the left or from the right;
- Single phase electric motor assembly with specific brushes for vacuum units (see all models).
- Cut-out valve motor protection
- Microfibre bag filter (capacity 12 l), with security filter in polyester, Water washable, Class M certified
- Double protection electric control board, with fuses both on the main and secondary circuit.
- Soft Start system integrated in the microprocessor board, specific for vacuum systems, with current control.
- Safety temperature sensor protection for the motor with automatic stop-start.
- Vacuum inlet supply 12v DC.
- Option of auxiliary warning connection for maintenance.
- Suitable to be used with all Sistem Air accessories.

PERFORMANCE GRAPHS





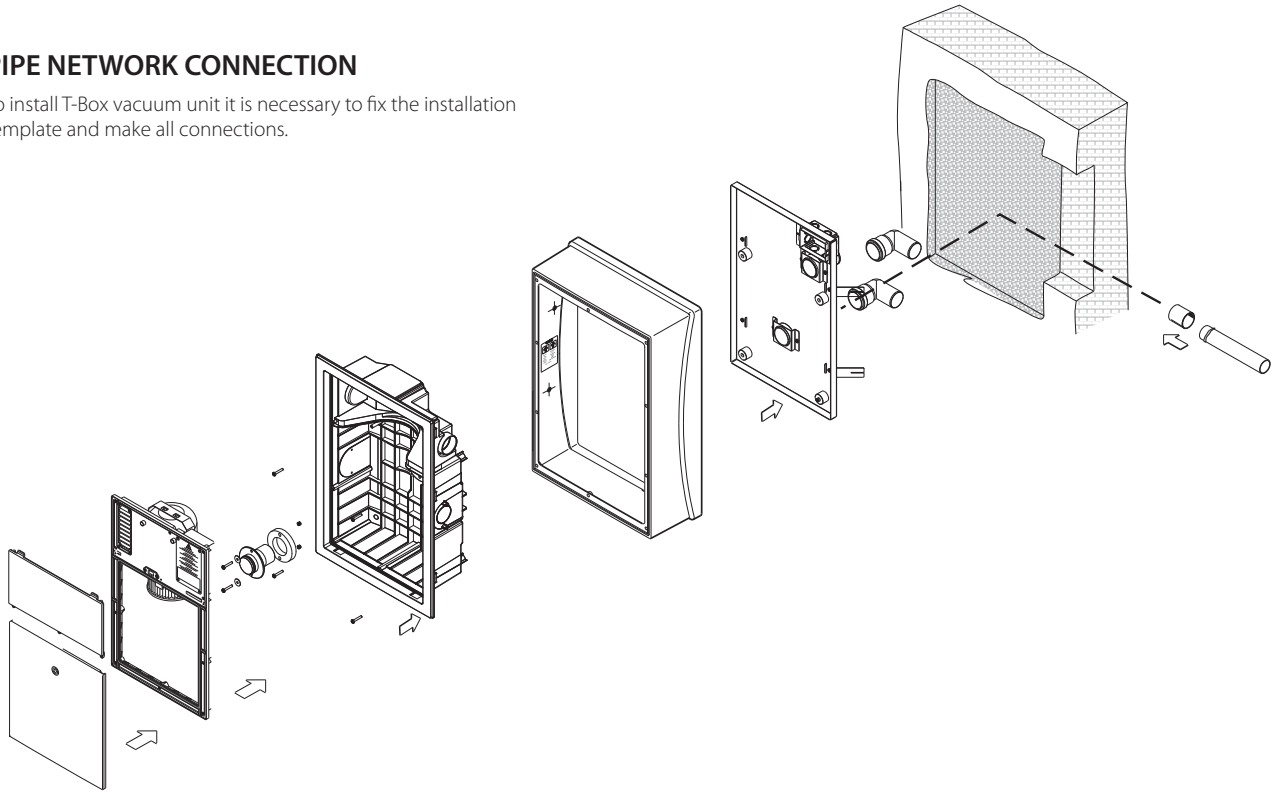
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INSTALLATION HINTS

T-Box vacuum units can be fixed to an internal or external wall.
They can be installed in technical rooms, cellars, cupboards or utility rooms, etc.
Construction characteristics (IP44), allow outdoor installation, such as on balconies protected from the elements.
It is always recommended at design stage, to perform measurements to calculate the ideal placement of the central unit, considering reasonable space for installation, use and maintenance.
In the case of a multi level installation, it is always advisable to install at the lowest level.
For special installation conditions, when the unit is located on floors of the building above the network of pipes (lofts, attics, etc.), you should select a unit category higher than the actual cleaning surface (it is recommended to consult the Sistem Air projects office).

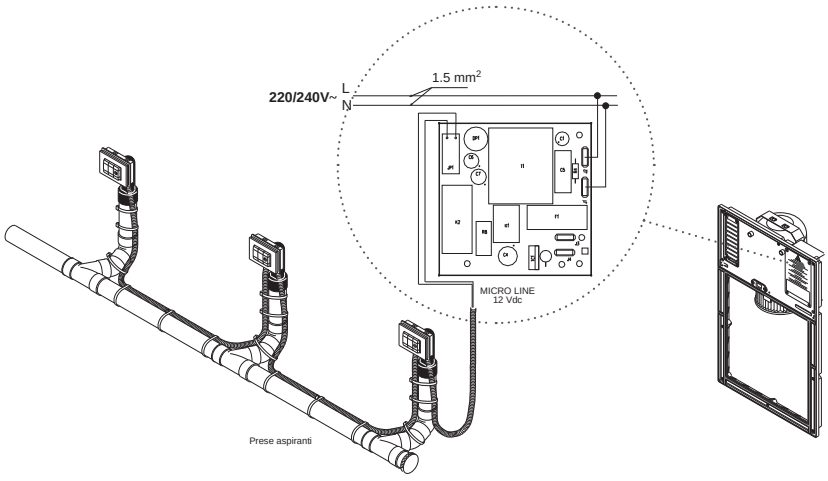
PIPE NETWORK CONNECTION

To install T-Box vacuum unit it is necessary to fix the installation template and make all connections.



ELECTRICAL CONNECTIONS

N.B. if a fuse must be replaced, ensure it has the correct amperage and it is a SB fuse-motor.
For installation, always follow IEC and national electricity supplier standards.

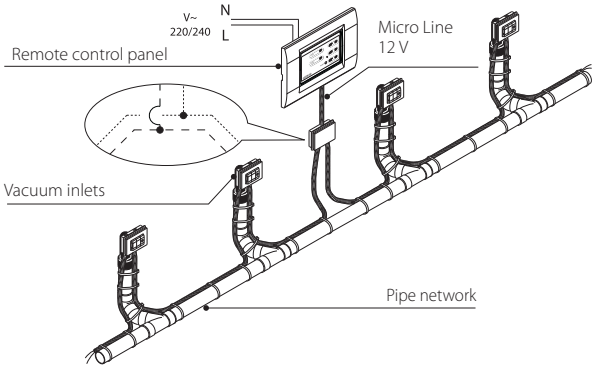


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T-BOX

CONTROL PANEL CONNECTION (optional)

It is possible to connect the T-BOX vacuum unit to a remote control panel for maintenance.
N.B. this panel is a reminder for the end user.



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions of the technical manual.
In particular, these routine maintenance cycles concern filter cleaning, dust bag replacement, checking that the electric motor works correctly, possible air discharge obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.it**

T-BOX

T-Box vacuum unit can be installed in any domestic situation without interfering with the aesthetics of the environment.





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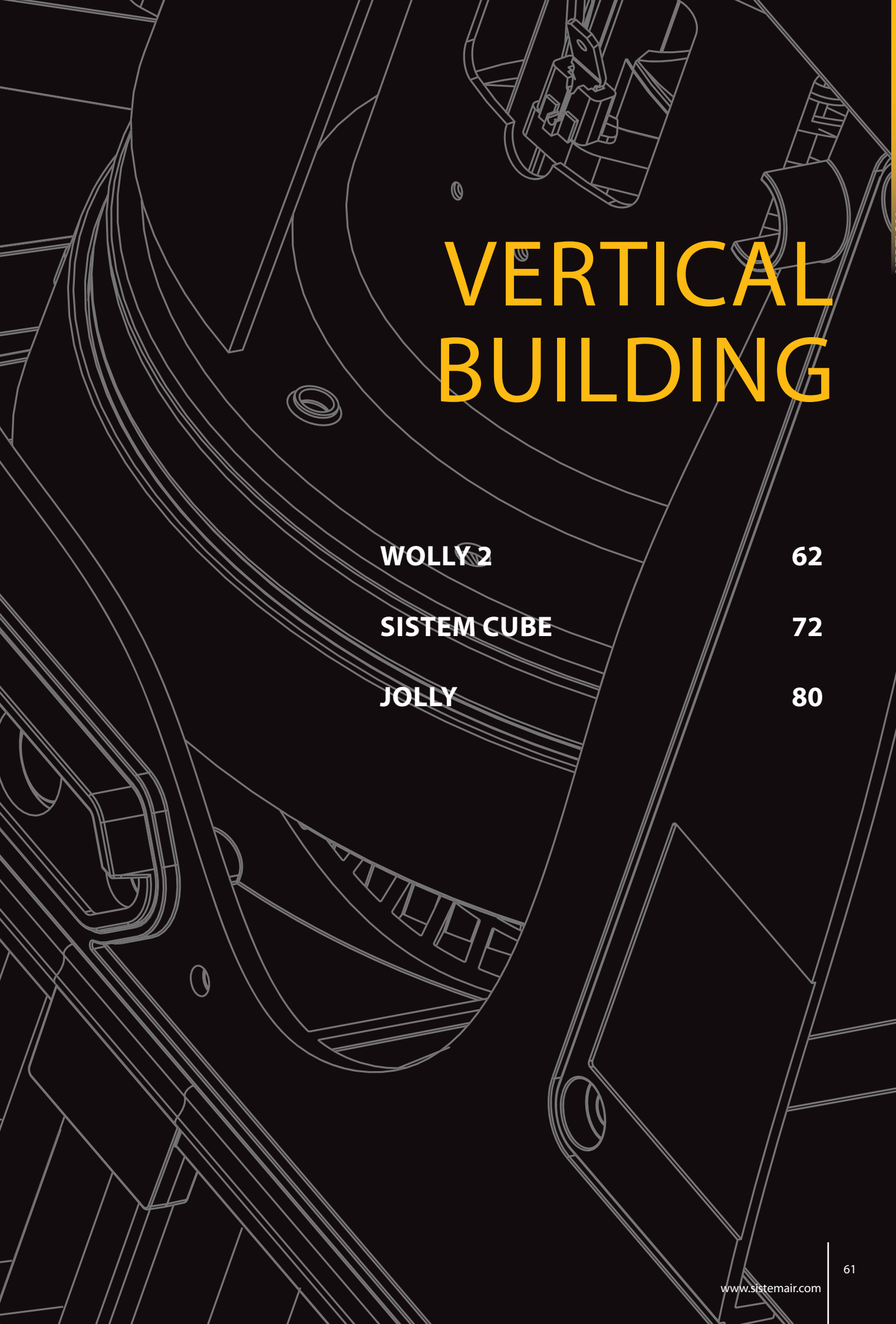
VERTICAL BUILDING
Apartments , student residences , holiday homes and hobby rooms .
Homes where the pipe network installation is not possible (Jolly only)







The specific units for vertical building applications represent the Sistem Air solution, in any situation where you don't want to give up the multiple advantages of a centralised vacuum cleaner, but because of the space available, it would not be possible to install a traditional type.



VERTICAL BUILDING

WOLLY 2	**62**
SISTEM CUBE	**72**
JOLLY	**80**

WOLLY 2

The Wolly 2 built-in units offer extraordinary flexibility, which makes installation even easier in apartments, where the available space for the passage of various works is always minimal.



INSTALLATION RANGE

The Wolly 2 central vacuum unit can be installed in homes with the following characteristics:

- surface to be cleaned between 30 -300 m^2
- use by a single operator
- piping network of tube 40/50mm / 2" diameter
- 220/240 V ac power supply
- non continuous use of vacuuming generic house dust
- exhaust air conveyed outside
- Possibility of installation in closets, thermal power rooms, corridors and protected, weatherproof balconies
- built in installation or wall mounting by optional frame additon

Wolly 2 SELECTION TABLE

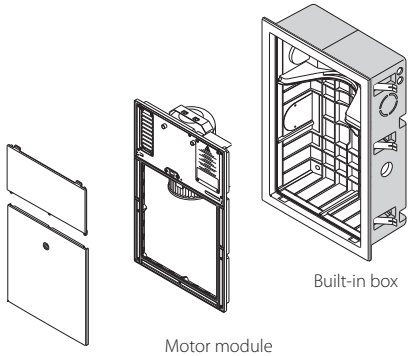
MODEL	Suggested surface	ARTICLE	Suggested inlets	Maximum operators
Wolly 2 150	**150 m^2**	**8201.0**	4	1
Wolly 2 300	**300 m^2**	**8201.1**	7	1

PRODUCT SPECIFICATIONS

- **Filter bag**
- **Soft Start starter**
- **Cleaning accessory kit included**
- **Specific for vertical construction**
- **CE conformity marking**
- **IP Degree of protection**
- **Insulation class 2**
- **Number of simultaneous users MAX**

CONTENT OF WOLLY 2 VACUUM UNIT

✔ CENTRAL VACUUM WOLLY 2 150/300

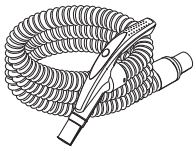


Closing covers (included in box)

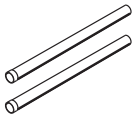
Motor module

Built-in box

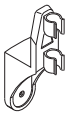
✔ WOLLY 2 CLEANING KIT CONTENTS



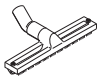
Complete 9 m flexible hose



Pair of chrome extension tubes



Hose hook



Floor brush



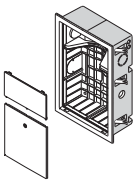
Dusting Brush



Hose for corners

COMPONENTS FOR WOLLY 2

Wall-mounting box Wolly 2



ARTICLE	PRODUCT DESCRIPTION	Packing Pcs
7102.1	WOLLY 2 BUILT-IN BOX *	1

** complete with doors*

WOLLY 2 ENGINE MODULE



ARTICLE	PRODUCT DESCRIPTION	Packing Pcs
8202.0	SUCTION MODULE/ENGINE WOLLY 2 MOD. 150	1
8202.1	SUCTION MODULE/ENGINE WOLLY 2 MOD. 300	1

WOLLY 2 PRE-EQUIPMENT WALL MOUNTING

Optional frame for Wolly 2 installation



ARTICLE	PRODUCT DESCRIPTION	Packing Pcs
7102.2	OUTSIDE INSTALLATION BOX WOLLY 2 **	1

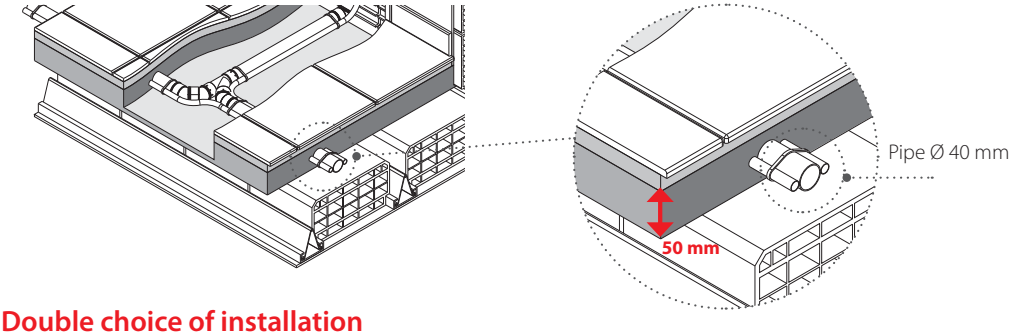
*** to match with article 7102.1*

WOLLY 2

PRODUCT SPECIFICATIONS

1 - Use of piping Ø 40 mm (only mod. Wolly 2 150)

Thanks to this feature you can install Wolly 2 where the flooring has reduced thickness or where plants have numerous overlapping points.



2 - Double choice of installation

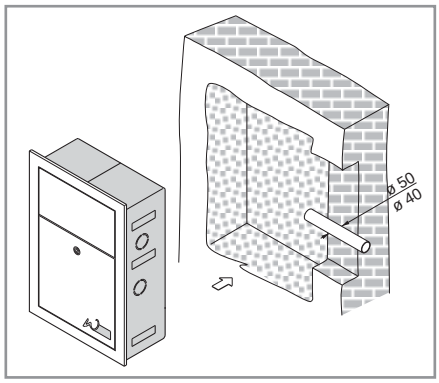
The Wolly 2 central vacuum has been designed and manufactured to provide **maximum ease of installation** in all situations where there is insufficient space to place a traditional central vacuum unit.
In particular installation can be done:

A - built-in, thanks to depth of just 18.7 cm, with the possibility of not requiring piping for air exhaust (see point 2)

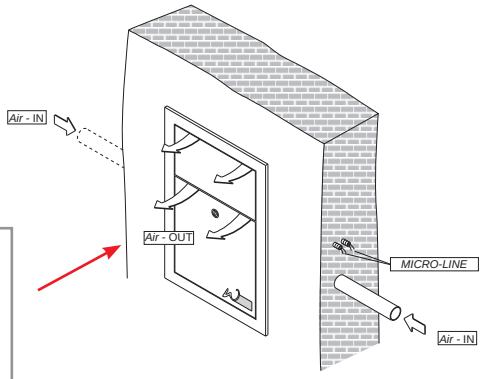
B - using the wall-mounted feature, by using the appropriate frame (optional) always represents the ideal solution to propose the central vacuum cleaner.

In both cases you can have:

- **reversible pipe mouthpieces left/right**, detachment with each other, too
- **direct air exhaust**, with slits along the perimeter of the door closing, **or conveyed** with an exhaust pipe..



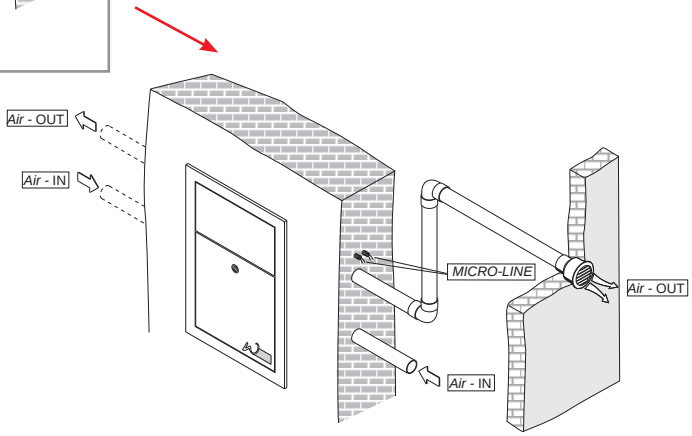
A Built-in installation



Direct exhaust air from the slits of the front cover



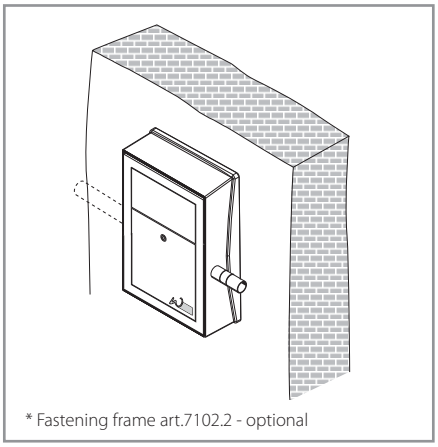
Exhaust air conveyed through special pipeline



Ideal configuration for units installed outside of the house

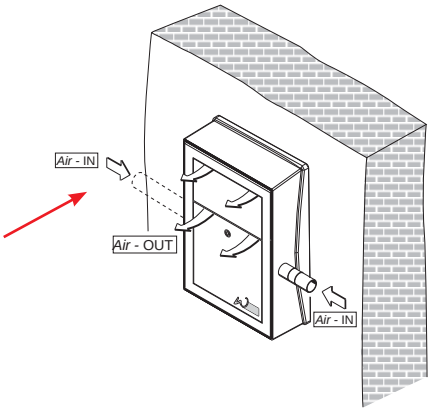


Ideal configuration for units installed indoor



* Fastening frame art.7102.2 - optional

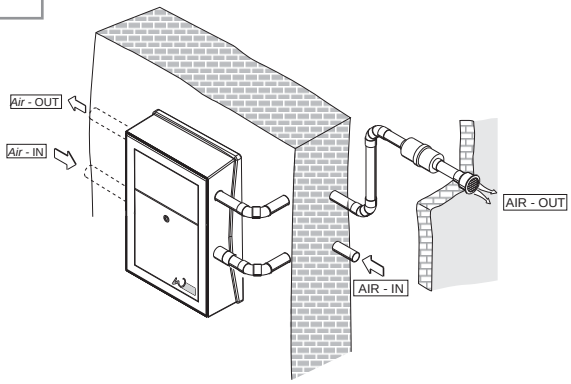
B installation with wall mounting



Direct exhaust air from the slits of the door



Exhaust air conveyed through special pipeline



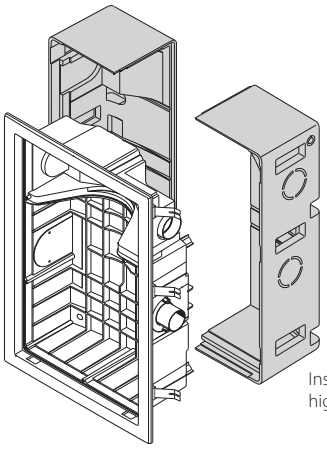
Ideal configuration for units installed outside of the house



Ideal configuration for units installed indoors

4 - compatible with homes with energy certification

The central body of Wolly 2 is covered with a shell of **high density polystyrene** which acts as a **thermal insulator**, absorbing noise and anti-vibration support barrier. Thanks to that, the heat loss due to the built-in installation is minimal.
A copy of thermal transmittance "U" and sound emission tests is available on request.



Insulation in half-shell high density polystyrene

TECHNICAL TESTS

Test on thermal transmittance "U"

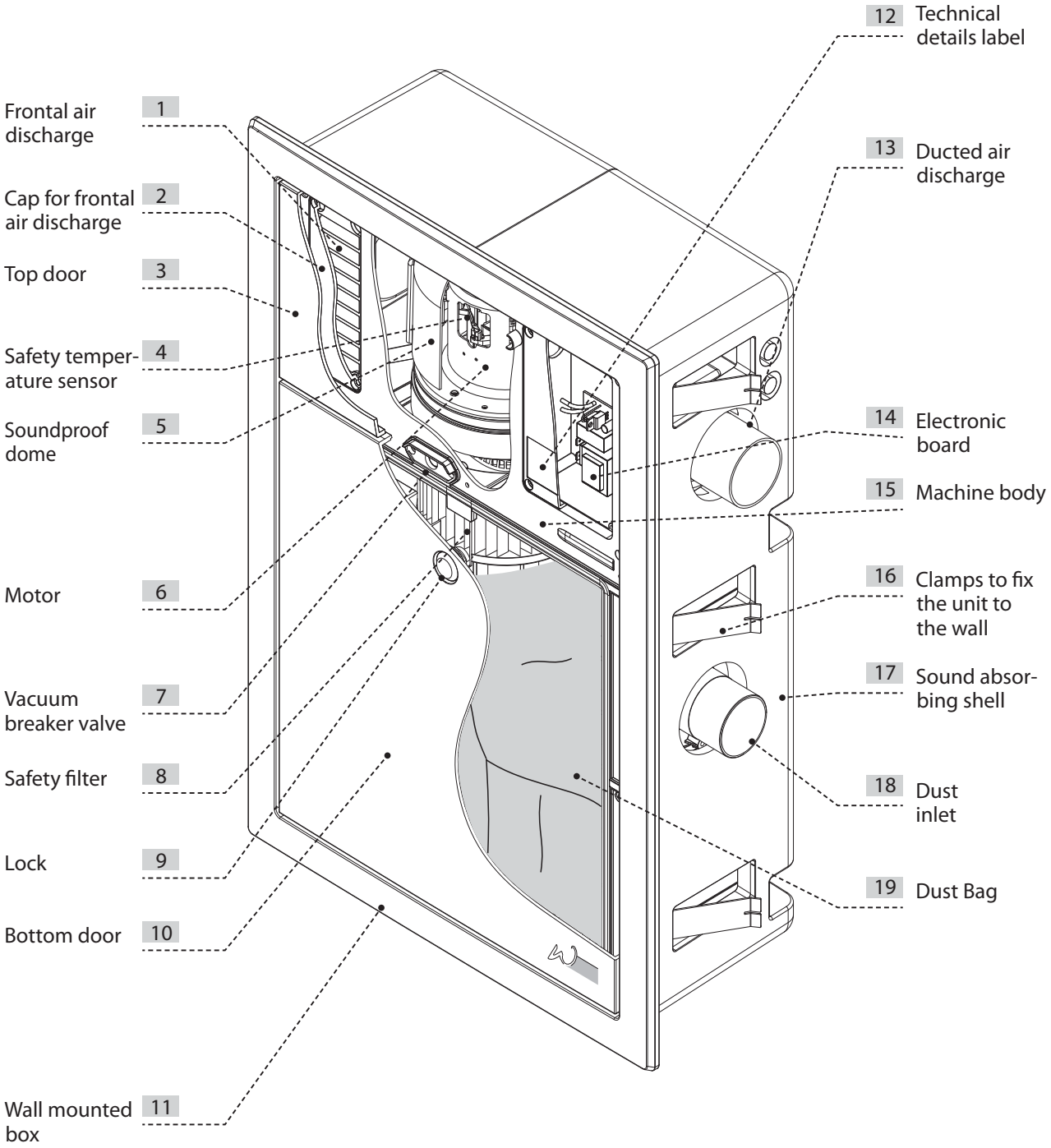


suono e vita

Noise emission tests

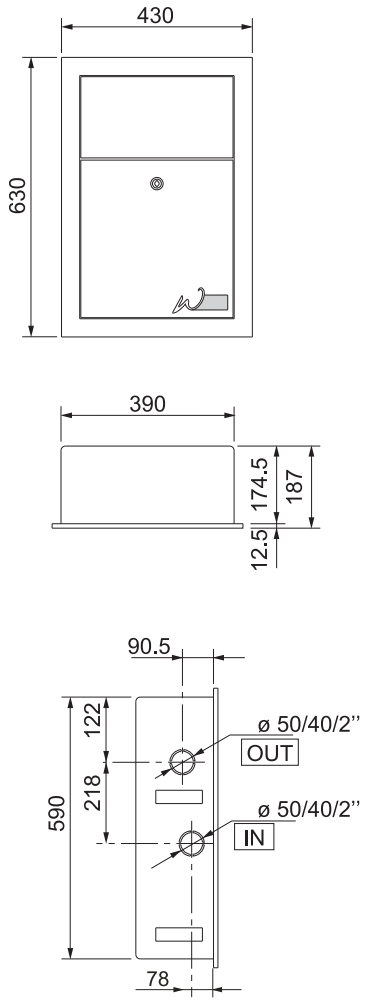
WOLLY 2

CENTRAL SECTION OF WOLLY 2



MESUREMENTS AND TECHNICAL DETAILS

The units can be used by a single operator.
It is recommended that the model selection is based on total area to clean, to ensure maximum durability and performance over time.
Additional selection criteria may relate to the dimensions of the unit, the capacity of the dust container and filter surface.
In the case of installation done on one level, for a maximum area to be cleaned of 150 m2 with 3 inlet valves, you can use the Wolly2 150 with pipeline network of 40 mm diameter. In all other cases it is necessary to use 50 mm diameter pipeline.



Wolly 2			
Model **Article**		Wolly2 150 **8201.0**	Wolly2 300 **8201.1**
Maximum surface	m^2	150	300
Power Supply	V ac	220/240	220/240
Frequency	Hz	50/60	50/60
Motor power	kW	1,25	1,35
Absorption	A	5,0	5,5
Inlets supply	V dc	12	12
Maximum air flow	m^3/h	200	234
Security filter surface	cm^2	2840	2840
Dust container capacity	l	12	12
Weight	kg	9	9
Width	mm	430	430
Height	mm	630	630
Depth	mm	187	187
Vacuum attachment	Ø mm	40/50/2"	40/50/2"
Exhaust attachment	Ø mm	40/50/2"	40/50/2"
Noise lever lower than DB(a)	dB(A)	70	

Note: nominal noise values. Values may vary depending on the environment in which the unit is installed and the type of installation

APPROVALS

IP Degree of protection

IP 44

Degree of electrical insulation

CLASS II

Wolly2 Line
Units in compliance with the following standards:

RELEVANT EEC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS:
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

DIRECTIVE ROHS 2002/95

REACH COMPLIANT

Note: Observe legal requirements regarding the installation.

TECHNICAL TESTS

Test on thermal transmittance "U"

Sound emission tests

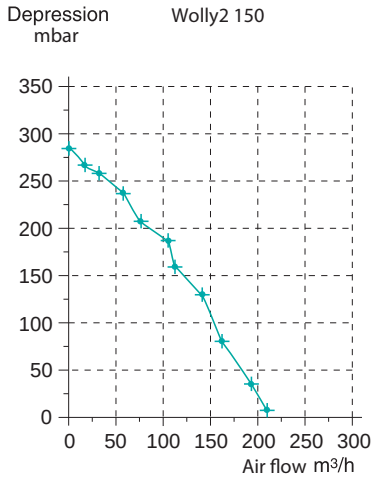
WOLLY 2

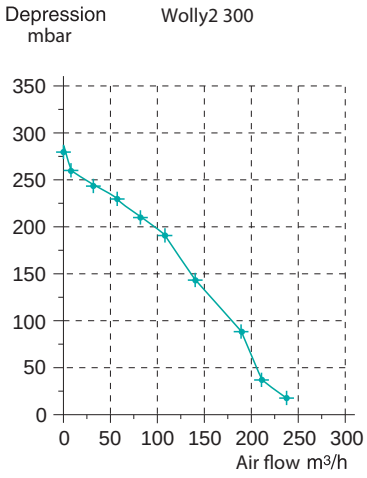
TECHNICAL FEATURES

Wolly 2 units are built with plastic materials, PP and ABS, to give strength and durability, while maintaining a beautiful line appearance. They have been designed and constructed according to all the criteria that the regulations and directives impose, but with great attention to fundamentals, including functionality, power and capacity utilisation.
The main technical characteristics can be listed:

- Self-supporting cylindrical shell in polypropylene.
- Protection and polypropylene coatings and ABS.
- Dust collection polypropylene bucket with handles of nylon PA6 (capacity 21 L).
- Sound-absorbing motor compartment (noise values for units lower than 70 dB A).
- Possibility of connecting the pipes from both right and left.
- Motor-impeller, composed of single-phase electric motor with brushes and rotating pack (see individual models).
- Vacuum breaker valve for engine protection.
- Water washable microfiber bag filter (capacity 12 L) with polyester certified class M safety filter cartridge.
- Electronic control card with double fuse protection-on both primary and secondary circuits.
- Soft Start system with integrated microprocessor tab, specific for vacuum systems, with current control.
- Safety temperature sensor to protect motor with automatic power off and reset.
- Power of inlet with 12 V dc voltage.
- Option of connecting a remote recessed panel for all models.
- Protection degree IP44, which allows installation in damp rooms, on balconies protected from inclement weather or boiler rooms
- Central vacuum unit suitable with all Air System accessories.

PERFORMANCE GRAPH



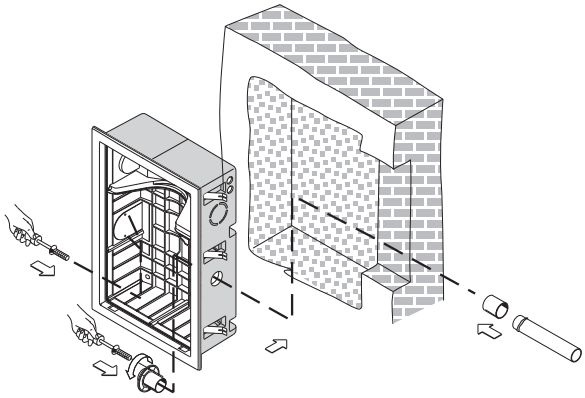


INSTALLATION BASICS

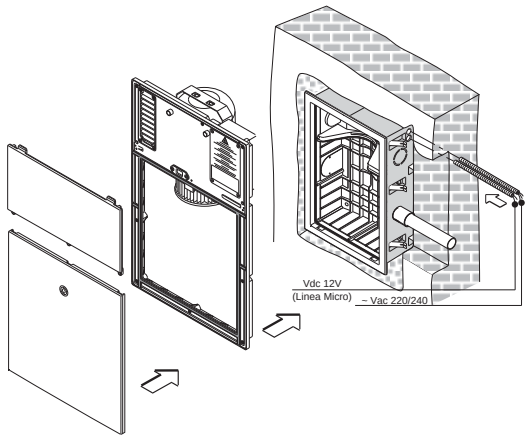
Wolly 2 units can be installed in a recessed wall having sufficient depth, or they can easily be attached to the same.
Can be installed in a technical room, cellar, basement, closets, etc.
Construction characteristics (IP44), allows outdoor installations, such as on balconies protected from the elements.
It is always recommended at design stage, to perform measurements to calculate the ideal placement of the central unit, considering reasonable space for installation, use and maintenance.
In the case of a multi level installation, it is always advisable to install at the lowest level.
For special installation conditions, when the unit is located on floors of the building above the network of pipes (lofts, attics, etc.), you should select a unit category higher than the actual cleaning surface (it is recommended to consult the Sistem Air projects office).

FIXING OF THE UNIT

1 - built-in installation

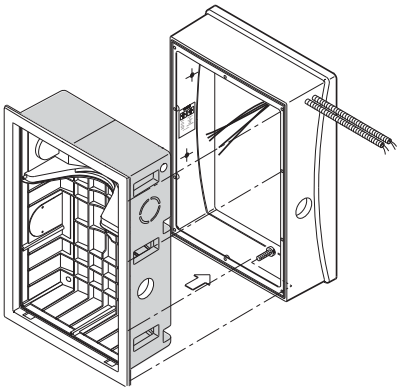


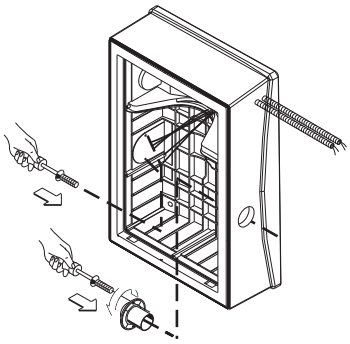
1 - Prepare an adequate sized space in wall.
2 - Drill the recessed box at the arrival of the pipe from the inlet valves and the exhaust pipe (if provided).



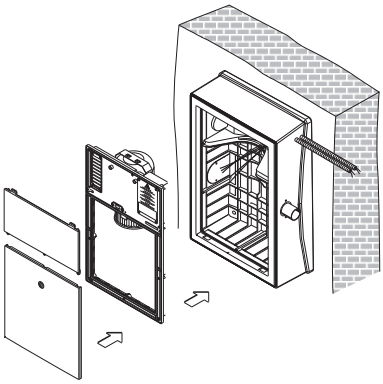
3 - Wall up the box using the appropriate bendable clamps
4 - Mount the motor module in box

2 - Wall-mounted installation





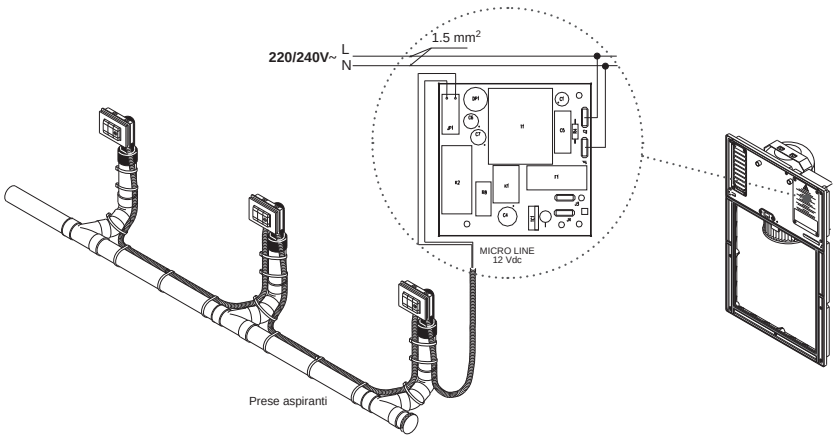
1 - Fix the built-in-mounted box in the appropriate frame
2 - Drill the recessed box at the arrival of the pipe from the inlet valves and the exhaust pipe (if provided).



3 - Secure the box to the wall using dowels
4 - Mount the engine module in box

PIPE NETWORK CONNECTION

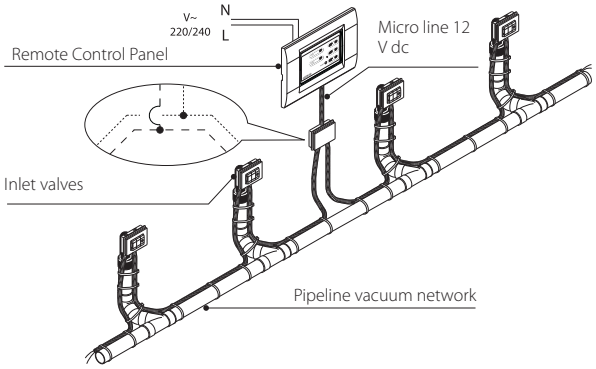
Note: when replacing the fuse, ensure it is the correct type and amperage (16 A motor delay fuse). For installation, always follow IEC and national electricity supplier standards.



WOLLY 2

CONNECTION TO A REMOTE PANEL (optional)

You can connect a remote control panel maintenance to the WOLLY 2 unit
Note: this panel represents a reminder to assist the end user.



MAINTENANCE AND SERVICE

For routine maintenance of central units, follow the instructions in the manual supplied with the unit.
In particular, these periodic operations relate mainly to cleaning the filter, replacing the filter bag dust collector, checking the correct functioning of the electric motor and exhaust air obstruction. All work not included in the routine maintenance operations to end user care must be performed by qualified personnel.
We invite you to consult our website **www.sistemair.it** for more information on maintenance and assistance service nearest to you.

The central unit, that thanks to its installation versatility, has revolutionised the concept of centralised vacuum cleaners, allowing installation even in residential complexes.






Wolly 2

SISTEM CUBE

Sistem Cube vacuum unit is the perfect solution for all buildings with small spaces (bungalows, holiday homes, student residences) but needing to offer the comfort and advantages of a central vacuum system.



INSTALLATION

Sistem Cube vacuum unit can be installed in residential buildings with the following features:

- Surfaces between 30 and 120 m² (3 inlets max.)
- Single level installation
- Suitable for 1 user
- Pipe network Ø 40 mm
- Installation with special pre-wired template
- 220/240 Vac supply
- Non-continuous use for household dust vacuum
- Air exhaust to the outside
- It can be installed in small spaces, such as cupboards, basin cabinets or balconies protected from weather.

SISTEM CUBE SELECTION TABLE

MODEL	Recommended surface	ARTICLE	Recommended vacuum inlets	Max. number of users
Sistem Cube	**120 m²**	**8300.0**	3	1

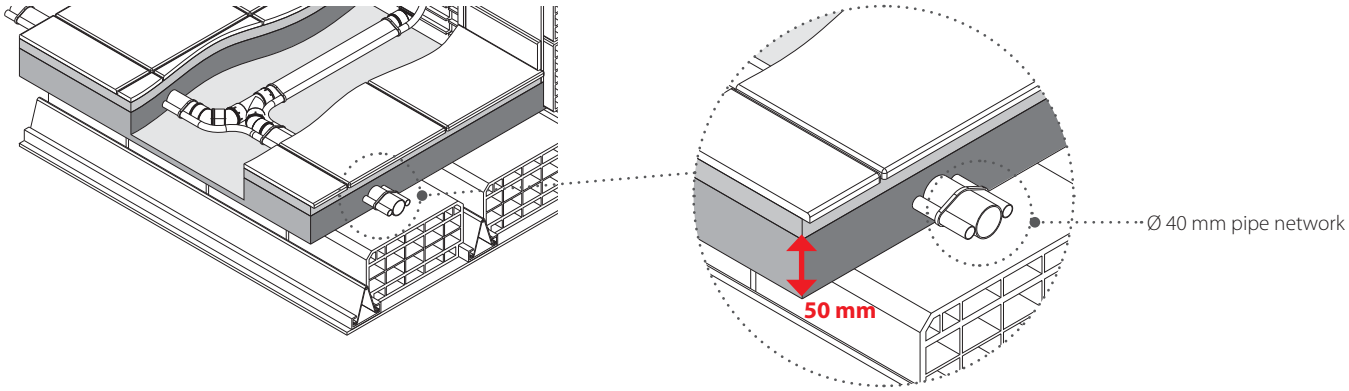
MAIN FEATURES OF THE PRODUCT

- **Vacuum unit with filtering bag**
- **Accessory cleaning kit included**
- **Special for vertical buildings**
- **CE marking**
- **IP protection degree**
- **Isolation class 2**
- **Max number of users**

TECHNICAL FEATURES

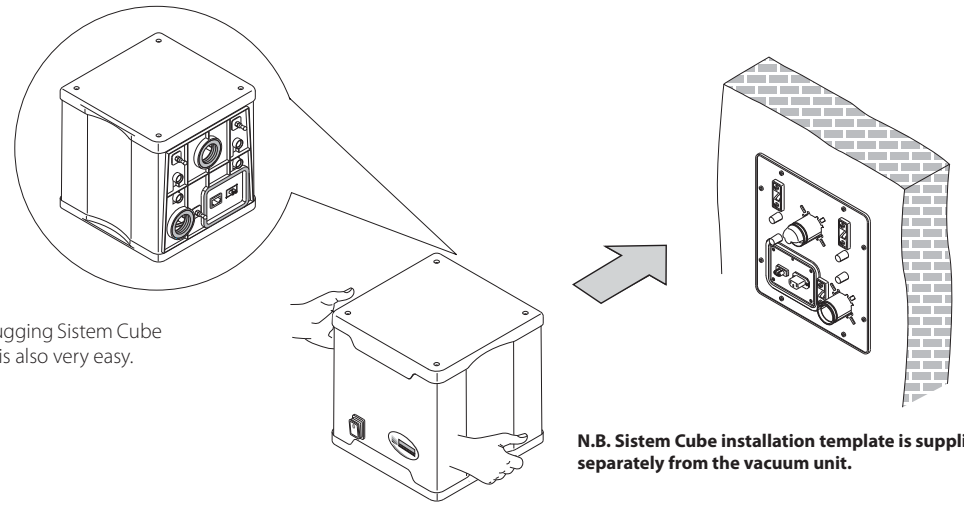
1 - Ø 40 mm pipe network, special for installations with reduced screed depth.

Sistem Cube vacuum unit has been designed for installations with **40 mm diameter pipe network** and is suitable for all situations where the floor screed has a reduced depth, or the existing installations have many overlapping pipes.



2 - Easy to install, thanks to its special installation template (art. 8300.10)

The installation template is the connection frame of Sistem Cube vacuum unit, it has been designed for easy and quick installation and its dust-inlet and air vent connections can rotate 360 degrees.
Note: vacuum and discharge connections are made on the template, together with electrical connections to micro line and supply network.



Thanks to the possibility of unplugging Sistem Cube from its template, maintenance is also very easy.

N.B. Sistem Cube installation template is supplied separately from the vacuum unit.

3 - The vacuum unit perfect for small spaces

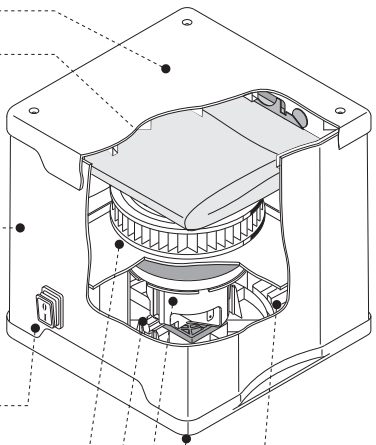


Thanks to its small size, Sistem Cube vacuum unit can be installed inside the kitchen cabinet, the wardrobe, behind the curtains or in any situation where it is possible to install a 30 cm cube.
This space doesn't need ventilation, as Sistem Cube vacuum unit has a direct-cooling motor without air inlet for cooling, because air is taken from vacuum inlets.

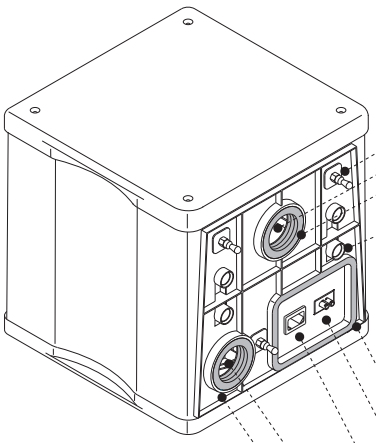


SISTEM CUBE

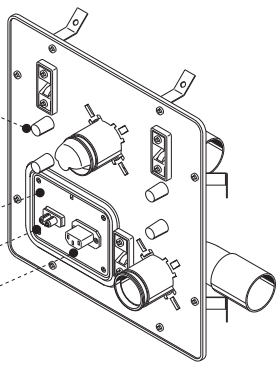
SISTEM CUBE SECTION



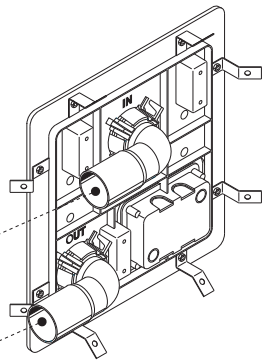
1 Cover
2 Dust bag
3 Body
4 Main switch
5 Safety filter
6 Safety temperature sensor
7 Motor
8 Motor cover
9 Electronic board



Centering pins 10
Dust inlet 11
Gasket 12
Centering holes 13
Gasket 12
Micro line connector 14
Power connector 15
Air vent 16
Gasket 12



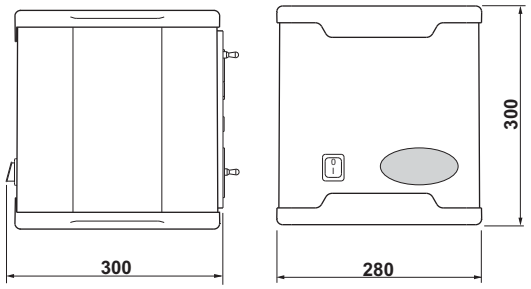
10 Centering pins
17 Electrical case
14 Micro line connector
15 Power connector

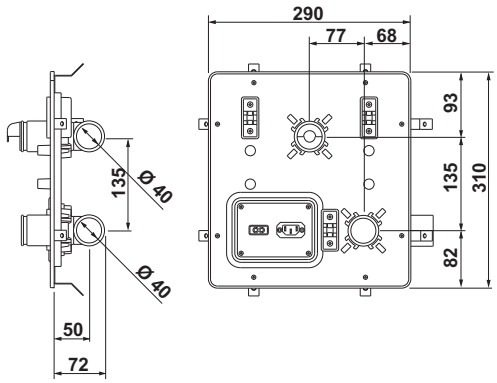


11 Dust inlet
16 Air vent

DIMENSIONS AND TECHNICAL DATA

Vacuum units can be used by one user.
We recommend following the detailed instructions on page 64, in order to ensure long life and best performance over time.





Sistem Cube		
Model **Article**		Sistem Cube **8300.0**
Maximum number of users		1
Maximum surface	m^2	120
Number of inlets recommended		3
Accessory cleaning kit		SI
Power supply	V ac	220/240
Frequency	Hz	50/60
Motor power	kW	1
Absorption	A	4,5
Maximum air flow	m^3/h	178
Vacuum inlets supply	V dc	12
Safety filter		SI
Dust bag capacity	l	5
Weight	Kg	4
Height	mm	290
Width	mm	310
Depth	mm	290
Dust inlet pipe	Ø mm	40
Air vent	Ø mm	40
Noise level lower than	dB(A)	70

N.B.: Nominal noise levels. Levels can vary according to the environment where the unit is installed and the type of installation.

CERTIFICATIONS

IP protection degree

IP 44

Electrical insulation

CLASSE II: device with double electrical insulation

Sistem Cube line
Devices in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE WITH REACH DIRECTIVES
N.B.: installation must be carried out in strict compliance with the regulations in force.

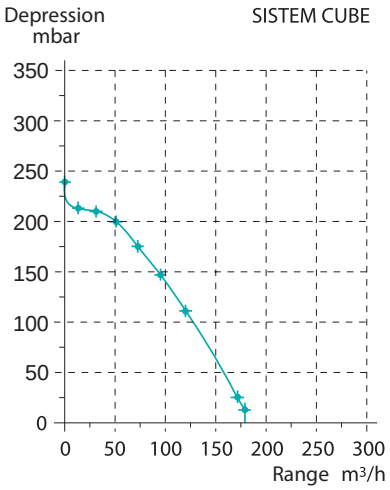
SISTEM CUBE

TECHNICAL FEATURES

Sistem Cube central vacuum cleaners are made of plastic materials, polypropylene and ABS, giving strength and durability to the structure, with a pleasant aesthetic line.
They are designed and produced in conformity with all regulations in force and European directives but also take into account functionality, power and capacity.
Additional features:

- Polypropylene body.
- Dust filtering bag, capacity 5 litres.
- Soundproof motor compartment (noise level under 70 dB A).
- Pre-installation template with air inlet and air discharge adjustable at 360°.
- Last generation direct cooling motor.
- Water washable safety filter.
- Control board with protection fuse.
- Safety temperature sensor which protects the motor with automatic stop and start.
- Vacuum inlets supply 12 V.
- Possible installation with complete installation kits, Ø 40 mm, with 1, 2 or 3 vacuum inlets.
- Option of connecting a remote wall panel that can be installed with all vacuum units.
- The vacuum unit is supplied with silencer and sleeves for pipe connection.

PERFORMANCE GRAPHS

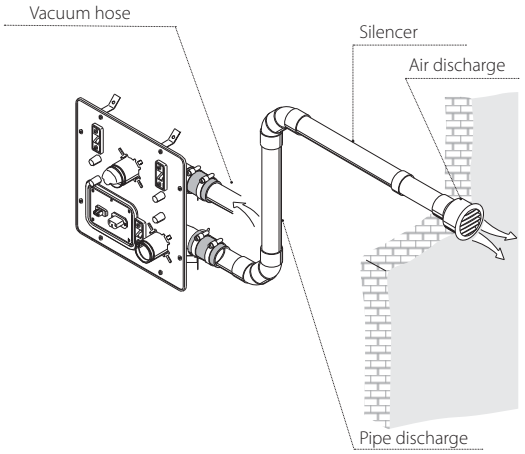


INSTALLATION

The vacuum units have a connection with the air discharge in their special template, in order to expel dust particles that the filter cannot hold.
They can be placed in technical rooms, basements, under stairs, utility rooms, etc.
Thanks to IP44 insulation level it is possible to install them in the open air, such as balconies protected from bad weather.
It is recommended to identify the best location for the central unit with respect to the system in the design phase, leaving a reasonable space for installation, use and maintenance.

PIPE NETWORK CONNECTION

Sistem Cube vacuum units are connected to pipe network through the special template with pre-wired electrical connections.



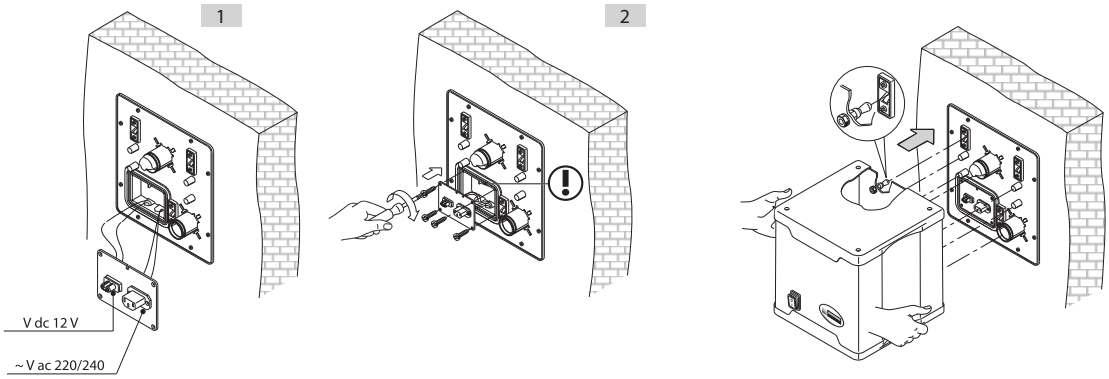
WARNING: if the discharge pipe is longer than 5 meters it is necessary to install a larger diameter tube (e.g. 50 mm) in order to reach the optimal conditions for air expulsion.

TEMPLATE WIRING

1 - Wire the panel connectors to the cables arriving from the template electrical case.
2 - Screw the panel to the template, paying attention to the centering notch.

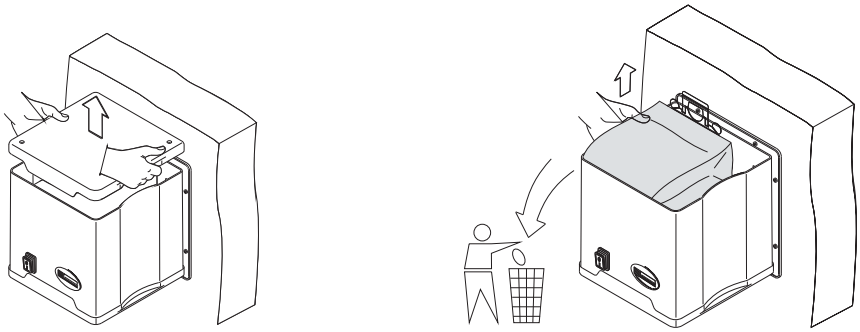
VACUUM UNIT INSTALLATION

Vacuum units are connected trough centering pins on the special installation template. This must be securely, permanently fixed to the wall with anchors, taking into account that the total weight to be supported can be significantly heavier than the vacuum unit itself (see technical data).



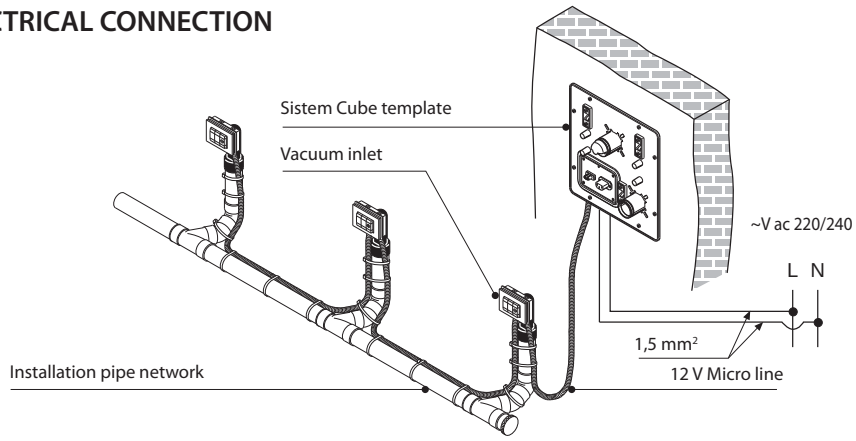
DUST BAG REPLACEMENT

Dust bag replacement with Sistem Cube is easy and quick: just lift the cover and remove the paper dust bag from the air vent connection, close the flap and discard.



SISTEM CUBE

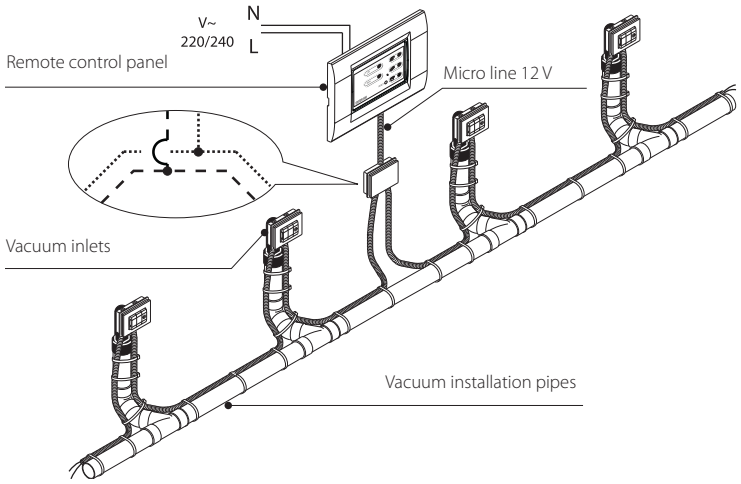
ELECTRICAL CONNECTION



N.B. If a fuse must be replaced, ensure it has the correct amperage and it is a 16A retarded-motor.
During installation adhere rigorously to IEC and national power supply regulations.

CONNECTION TO REMOTE PANEL (OPTIONAL)

It is possible to connect the Sistem Cube vacuum units to a remote control panel for maintenance.
This panel is a reminder to help the final user.



Sistem Cube vacuum unit is the ingenious solution for all small spaces.
Thanks to its compact design, rationality and power, it is suitable for all installations where available space is strictly limited.
To never lose the vacuum system benefits.






SISTEM
c·u·b·e
www.sistemair.it

JOLLY

Jolly module has been designed in order to allow a comprehensive central vacuum system, but without a pipe network. It is perfect for finished houses (where installing a pipe network is not possible), in studio apartments and in small houses, where with one or two modules, it is possible to clean all surfaces. Many installation options increase its flexibility of use.



INSTALLATION AREA

Jolly can be installed in houses with the following features:

- Maximum surface area 60 m^2 each module. The number of modules required to clean the surface depends on the layout of the area and on the position of the modules
- The module can be used by a single user
- Pipe network unnecessary
- Can be installed with built-in box or on the wall (with optional case)
- Supply 200/240 V ac
- Non-continuous use for household dust vacuum
- Air exhaust to the outside or direct (in case of wall installation)
- Can be installed in small spaces, such as utility rooms, service rooms or balconies protected from bad weather.

JOLLY SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Inlets	Number of users
JOLLY	**45/60 m^2**	**8710.0**	1	1
JOLLY Contact		**8720.0**	1	1

MAIN FEATURES OF THE PRODUCT

- **Vacuum unit with filter bag**
- **Suitable for finished houses**
- **CE marking**
- **IP protection degree** (IP 20)
- **Isolation class 2**
- **Max number of users** (1)

PRODUCT SPECIFICS

1 - Jolly can be built-in or wall mounted

Jolly vacuum unit is extremely versatile and offers the most adaptable solution in every installation.



Jolly with light-carbon frame, installed with built-in solution



Jolly with external case

2 - Easy to change filter bags

Changing the filter bag is very easy and quick: just extract the bag container, pull out the bag and throw it away, without any contact with dust.



Bag placement with extractable bag container



B ag container



Dust bag disposal

3 - The perfect integration inside the spaces

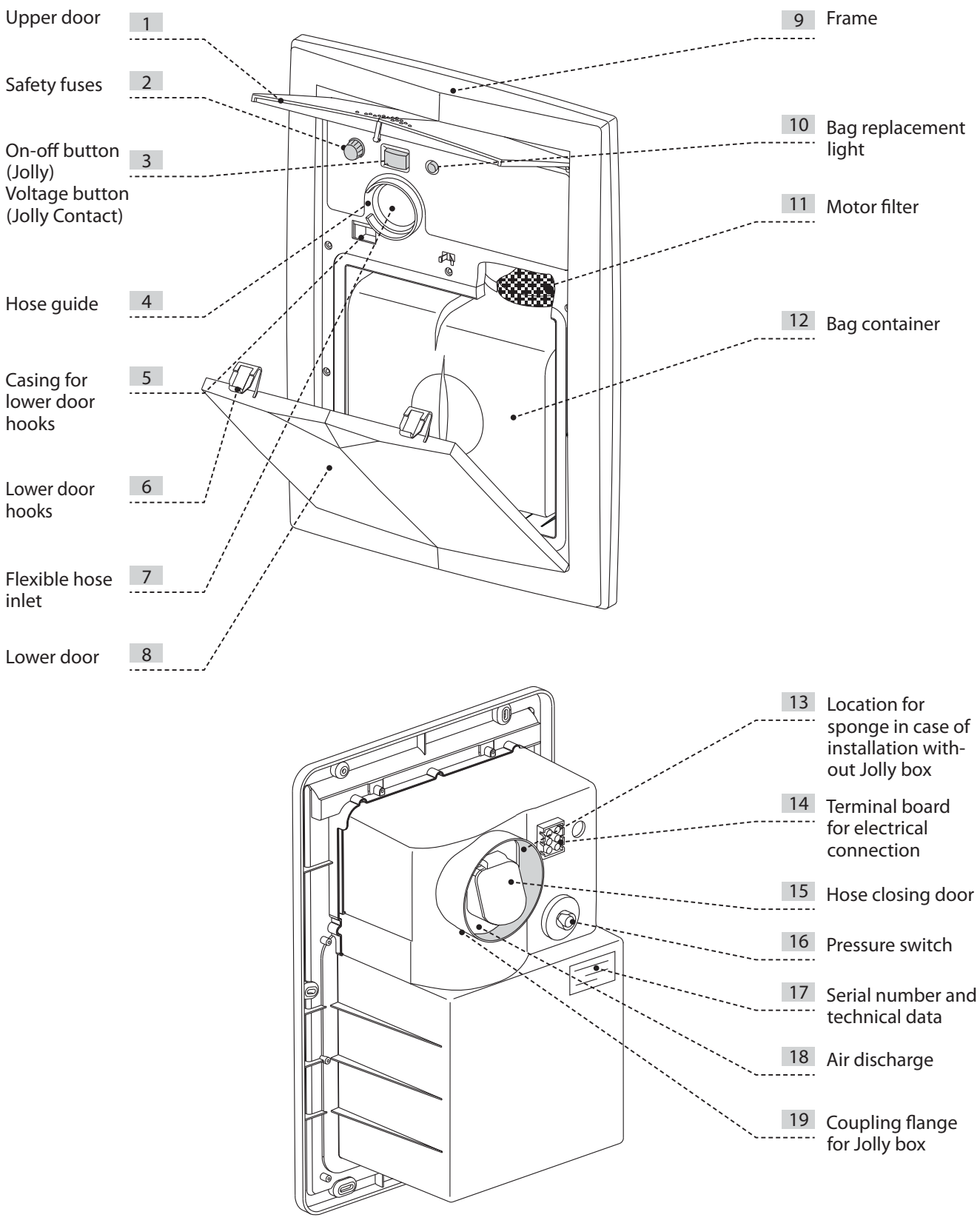
Is granted by two optional finishing frames and by the option to paint the standard white frame.





JOLLY

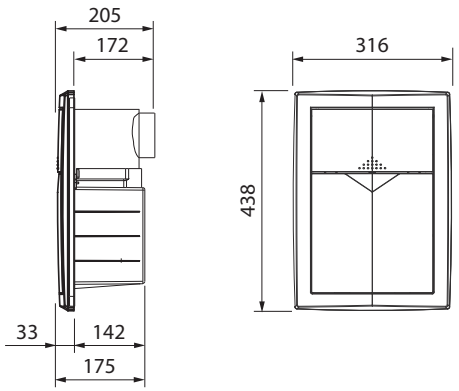
JOLLY SECTION



MEASUREMENTS AND TECHNICAL DATA

With every Jolly module it is possible to clean a surface of about 60 m².
Matching different modules together, when each module can be installed according to different requirements, it is possible to cover any surface. Jolly Contact has the same features of Jolly module, but with the option to switch the vacuum unit on and off with the button on the flexible hose.

Art. 8710.0 Art. 8720.0
JOLLY / JOLLY Contact size



		JOLLY Line	
Model		JOLLY	JOLLY Contact
Article		**8710.0**	**8720.0**
Vacuum electric hose inlet		NO	YES
Hose connection	Ø mm	40	40
Protection degree	IP	20	20
Supply	V ac	220/240	220/240
Frequency	Hz	50/60	50/60
Power	kW	1	1
Absorption	A	5	5
Electric hose supply	V dc	-	12
Maximum air flow	m³/h	178	178
Protection fuse		WF 10A 250V	WF 10A 250V
Dust bag capacity	l	3	3
Air discharge		YES	YES
Silencer		NO	NO
Weight	kg	3,8	3,8
Noise level lower than	dB(A)	70	

N.B.: Nominal noise levels. Level can vary according to vacuum unit installation location and type.

CERTIFICATIONS

CE conformity labeling

IP Protection Degree

IP 20

Electrical insulation

CLASS II

Jolly line
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

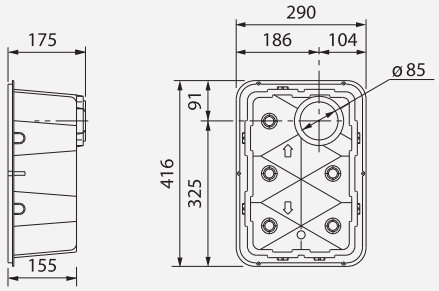
ROHS DIRECTIVE 2002/95
Compliance to REACH DIRECTIVES

N.B. installation must be carried out in strict compliance with the regulations in force.

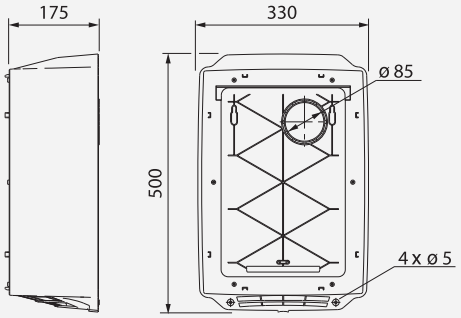
JOLLY

MEASUREMENTS FOR JOLLY INSTALLATION

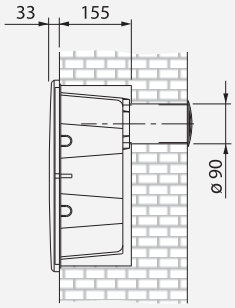
Art. 8500.0
JOLLY Box size – built-in case



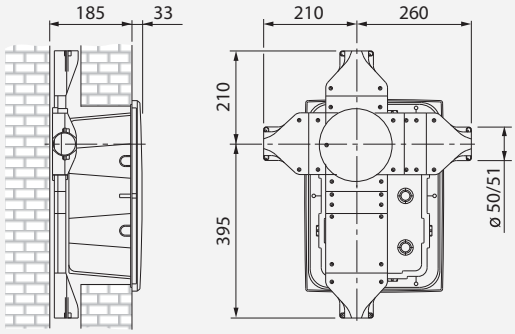
Art. 8500.1
JOLLY Box size – external case



Art. 8510.0
Direct discharge size



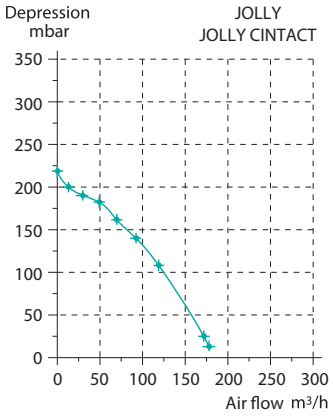
Art. 8510.1
Lateral discharge set size



TECHNICAL FEATURES

Jolly vacuum units are made in plastic materials, PP and ABS, giving strength and durability to the structure, with a pleasant aesthetic line.
They are designed and produced in conformity with all regulations in force and European directives while taking into account functionality, power and capacity.
These are the main features:
- Structure in propylene plastic
- Paintable external frame in ABS.
- Paper filter bag (capacity 3 litres)
- Phono-absorbing motor compartment (noise levels under 70 dB a).
- Motor assembly with electric single phase motors with specific brushes for vacuum units.
- Water washable safety filter
- Double protection electric control board, with fuse block switches both on the main and secondary circuit.
- Vacuum inlet supply 12 V (Jolly Contact model)

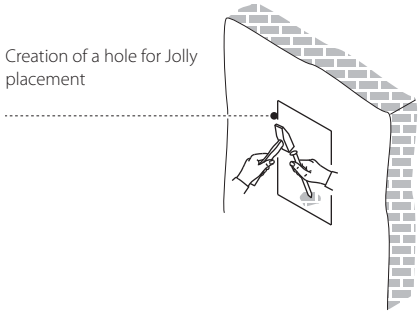
PERFORMANCE GRAPHS

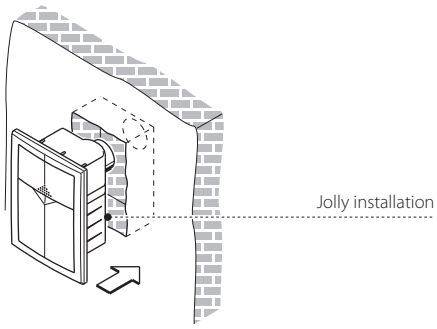


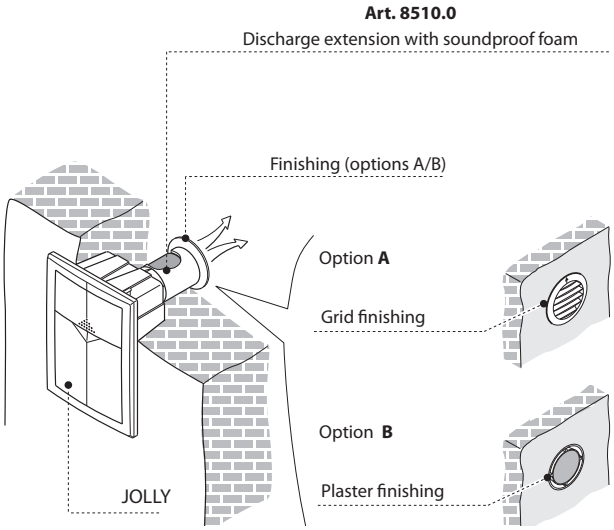
INSTALLATION DETAILS

Jolly vacuum unit doesn't need a pipe network and can be installed in houses during construction or in finished houses, in case of walls with at least 25 cm depth.
If it is not possible to build the unit in the wall, it can be placed it in a special box for wall mounting.
It can be installed in any room protected from bad weather, humidity and changes of temperature.
Furthermore it is better to choose places away from heat sources, stoves or heaters (protection degree IP 20).
The vacuum unit must be placed in a free and well illuminated space, in order to change the dust bags and perform maintenance operations easily.
Air discharge is a necessary condition to expel microdust that cannot be held by dust bags, and it can be done in different ways: with direct discharge or with lateral discharge, through an extension.
The external discharge point must be free from obstructions and it should not damage, or interfere with other structures.
In the design phase we recommend identification of the best location for the device in order to reach the maximum surface of the house with the vacuum hose.
Consider the possible later installation of additional vacuum units in the same house.

BUILT-IN INSTALLATION WITHOUT BOX AND EXTERNAL DISCHARGE



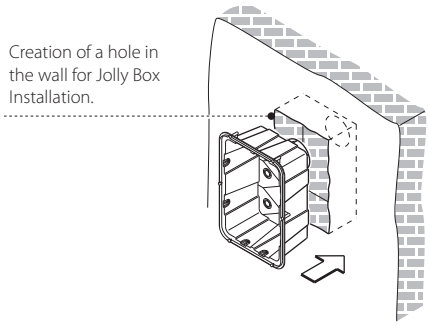


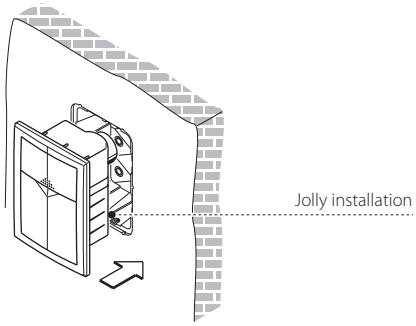


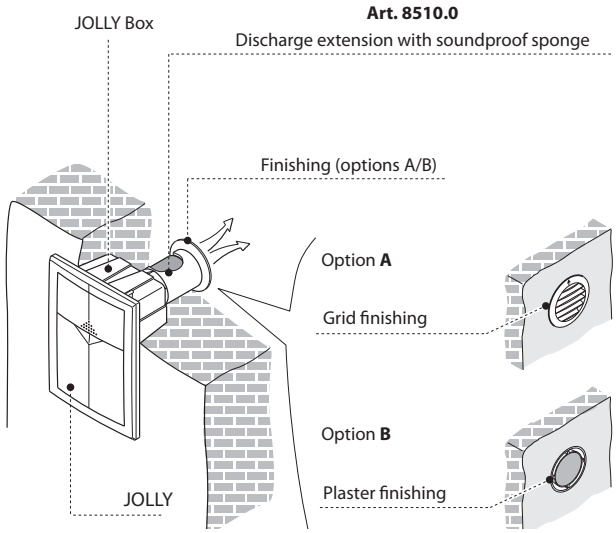
	ARTICLE	DESCRIPTION	Quantity
	**8710.0**	JOLLY	1
	8720.0	JOLLY Contact	1
	**8510.0**	JOLLY extension box	1
	**8511.0**	Air discharge grates set	1

JOLLY

BUILT-IN INSTALLATION WITH SPECIFIC BOX AND EXTENAL DISCHARGE

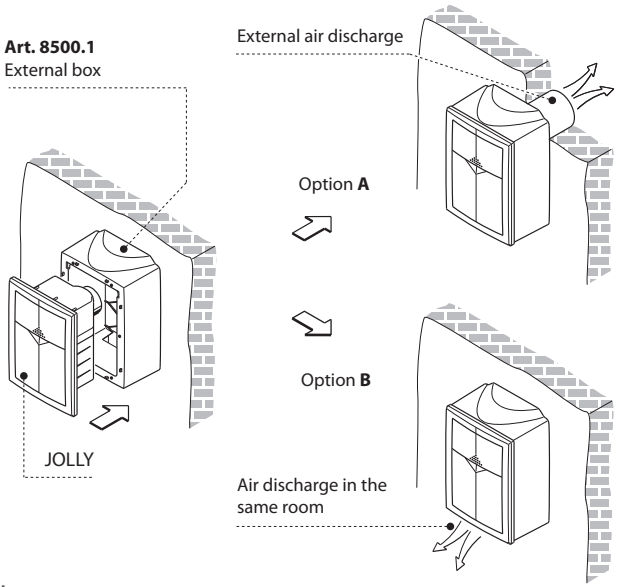






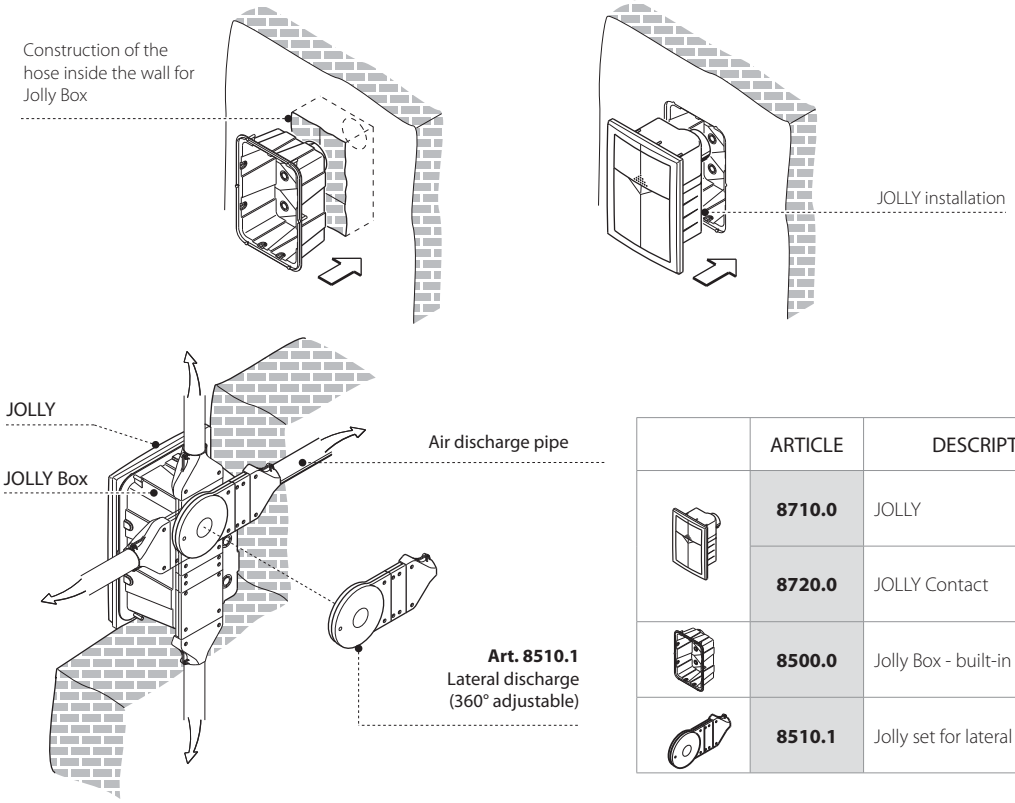
	ARTICLE	DESCRIPTION	Quantity
	**8710.0**	JOLLY	1
	8720.0	JOLLY Contact	1
	**8500.0**	Jolly Box - Built-in box	1
	**8510.0**	Jolly extension box	1
	**8511.0**	Air discharge grates set	1

WALL MOUNTED INSTALLATION



	ARTICLE	DESCRIPTION	Quantity
	**8710.0**	JOLLY	1
	8720.0	JOLLY Contact	1
	**8500.1**	Jolly External Box	1

BUILT-IN INSTALLATION WITH SPECIFIC BOX AND CONVEYED AIR DISCHARGE

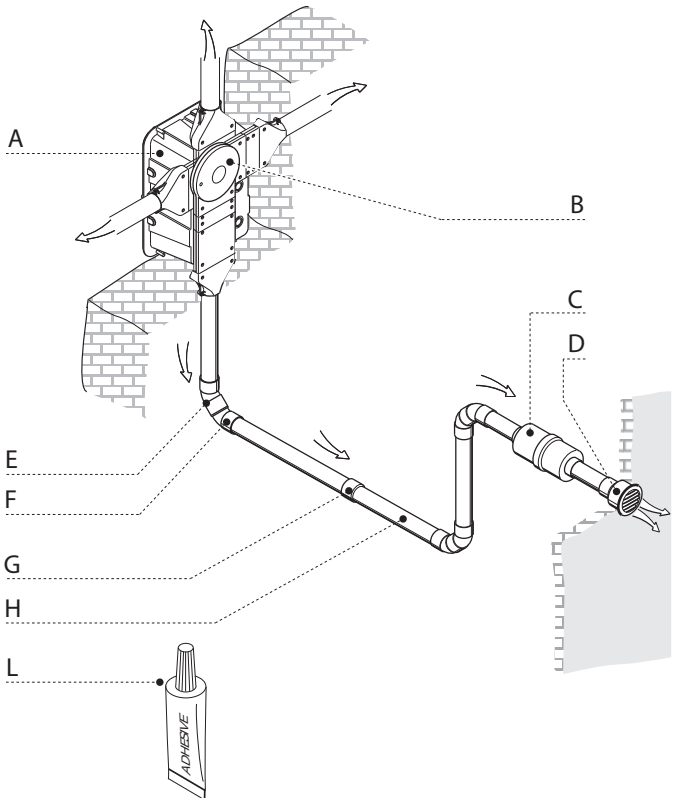


	ARTICLE	DESCRIPTION	Quantity
	8710.0	JOLLY	1
	8720.0	JOLLY Contact	1
	8500.0	Jolly Box - built-in box	1
	8510.1	Jolly set for lateral discharge	1

BASIC SET

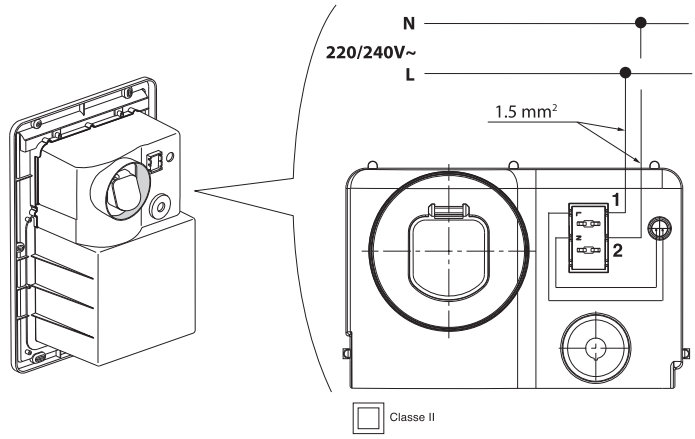
Installation kit allowing the installation of built-in Jolly version inside the house.
Supplied with pipes required to enable external air discharge.

Ref.	ARTICLE	Pcs	Descrption
A	**8500.0**	1	Jolly box
B	**8510.1**	1	Built-in lateral discharge
C	**110001**	1	PVC silencer
D	**5050.4**	1	Air vent ø 50
E	**3050.0**	4	PVC elbow Ø 50 45° M/F
F	**3050.1**	4	PVC elbow Ø 50 45° F/F
G	**1150.1**	6	PVC sleeve Ø 50 F/F
H	**1850.0**	9 m	PVC pipe Ø 50
I	**9225.3**	1	Special glue (gr 60)



JOLLY

ELECTRICAL CONNECTIONS



N.B. if a fuse must be replaced, make sure it has the correct amperage and it is a SB fuse-motor.
N.B. installation must be carried out in strict compliance with the regulations in force and according to national power supply regulations.

MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust-bin, bag substitution, checking that the electric motor is working correctly, possible air discharge and obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.it**

Jolly doesn't need a pipe network: for this reason it can be installed anywhere, without construction work.






Jolly
SISTEM-AIR
ASPIRAPOLVERE CENTRALIZZATI
FUSE
ON/OFF

PROFESSIONAL
Offices, sports facilities, cottages, workshops and beauty centers.



revo Job



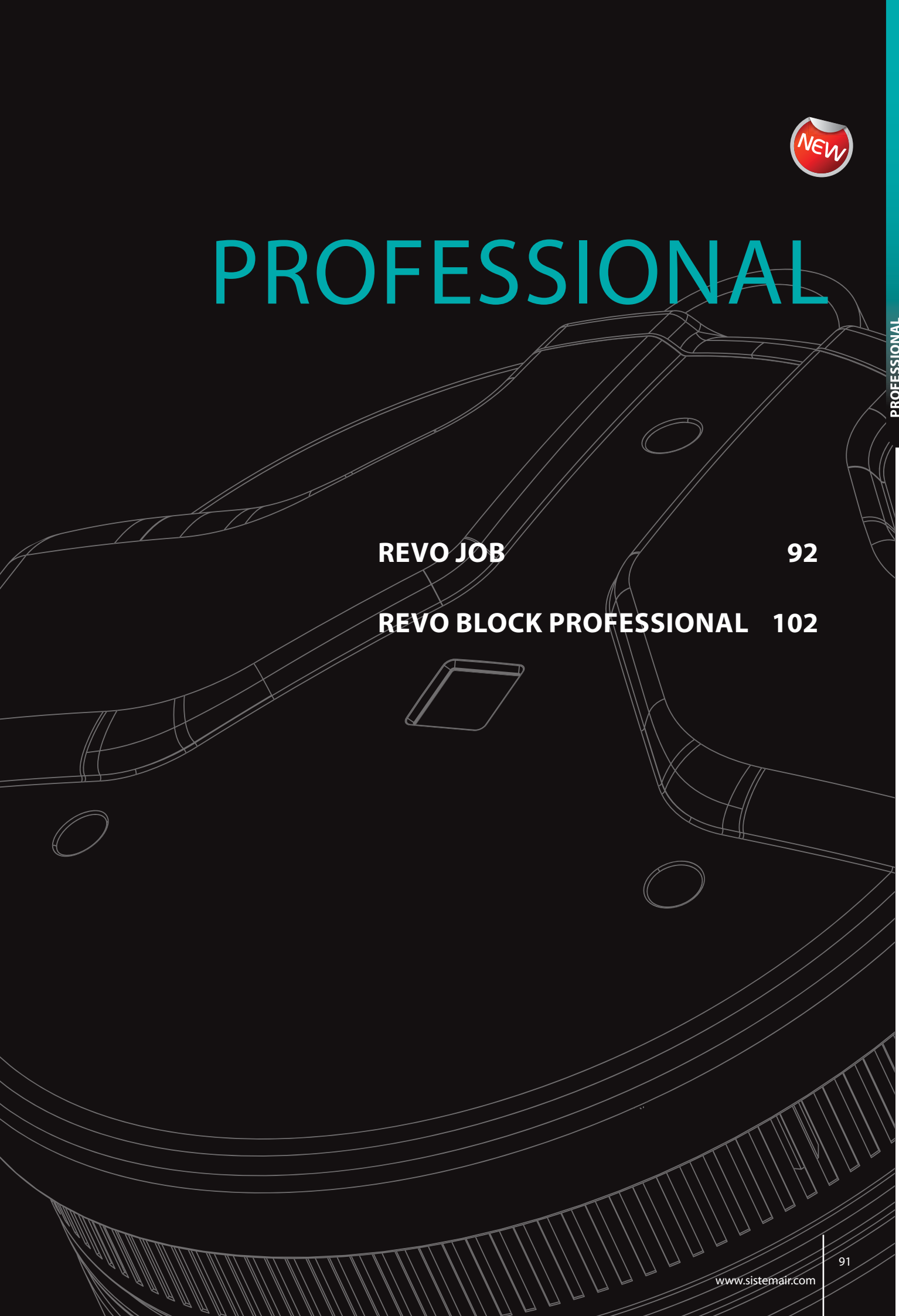
revo block professional

Sistem Air professional vacuum units are essential in all those situations that require professional cleaning: compact and powerful, thanks to the wide range of models, they always offer the ideal solution.

PROFESSIONAL

REVO JOB 92

REVO BLOCK PROFESSIONAL 102



REVO JOB

Revo Job is the new Sistem Air vacuum unit designed for intensive use in tertiary and professional areas.
The main features of this product are simplicity, reliability and a great vacuum power.





INSTALLATION AREA

Revo Job vacuum unit can be used for dust vacuum in buildings with the follow features:

- Surfaces up to 2000 m^2
- Suitable for 3 users
- Pipe network according to the number of users
- 400 V three-phase supply
- Continuous use
- External air exhaust

REVO Job SELECTION TABLE

Model	ARTICLE	Motor power kW	Speed electronic converter	Max. number of users
REVO Job 3	**3201.2J**	**3**	NO	2
REVO Job 4	**3201.6J**	**4**	YES	3

MAIN FEATURES OF THE PRODUCT

- **Automatic filter cleaning**
- **Energy saving vacuum unit**
- **Soft Start device**
- **CE marking**
- **IP protection degree**
- **Isolation class 1**
- **Max number of users 3**

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CHARACTERISTICS

1 - Guaranteed reliability

The selection of **highly reliable components and precision assembly make the REVO Job** vacuum unit extremely strong.
Electronics have been restricted to the essential functions of control and energy consumption optimisation, so as to further increase its stability during working.
For these reasons Revo Job is the vacuum unit suitable to be used in all those conditions close to professional sector, when the vacuum unit is particularly stressed by:
· Prolonged working hours
· Different dust categories to vacuum
· Complex pipe networks

Their reliability is certificated in a tangible way by the special warranty that Sistem Air supply with all REVO Job vacuum units, that is **T-Warranty, a 6 years** free replacement total warranty for components damaged during working (excluding wear parts).
This choice confirms the excellent performance of the product, but also the mission of Sistem Air always to be close to its customers, even after installation.
For more information on T-Warranty please visit the web site
www.sistemair.it





2 - Energy saving

REVO Job vacuum units have new conception blowing motors that achieve good vacuum power combined with optimized energy consumption.
This gives a good balance between capacity and depression at all motor speeds: in this way it is always possible to obtain the best vacuum performance, with the lowest power consumption in all possible applications.



In particular, the 4 kW model has a speed electronic converter (inverter) that adapts the vacuum performance to the current number of required users, avoiding energy waste and balancing any potential installation problems.



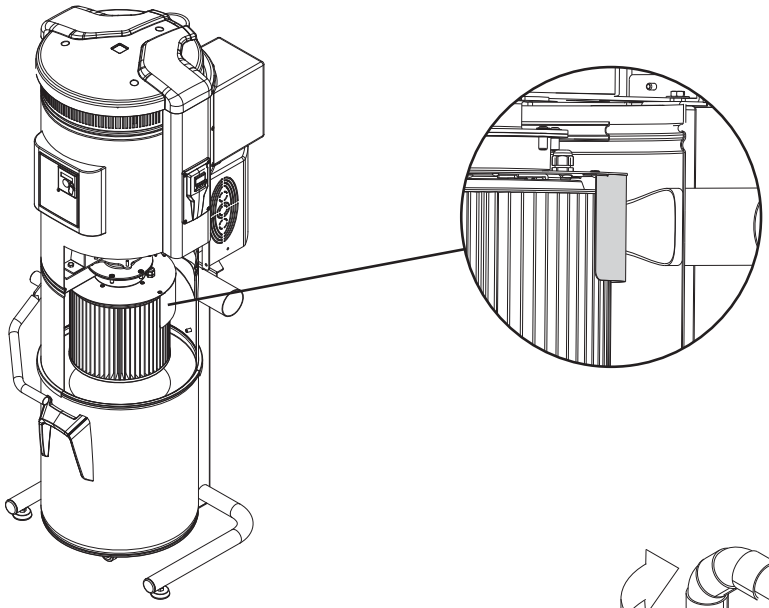
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REVO JOB

3 -Filtrazione professionale

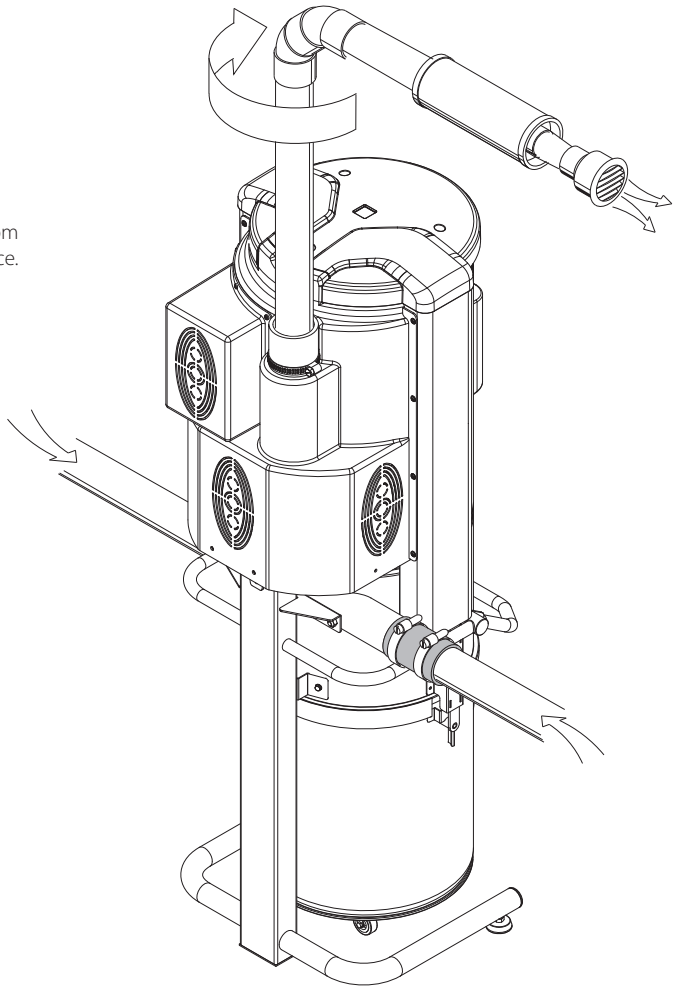
The filtering system on REVO Block vacuum units has two main elements:

- **Water washable Polyester filter cartridge, with a large filtering surface that allows a higher level of efficiency**
- **Metallic protection on dust inlet that prevents sharp or incandescent materials getting onto the filter surface and damaging it.**



4 - Reversible inlet connection

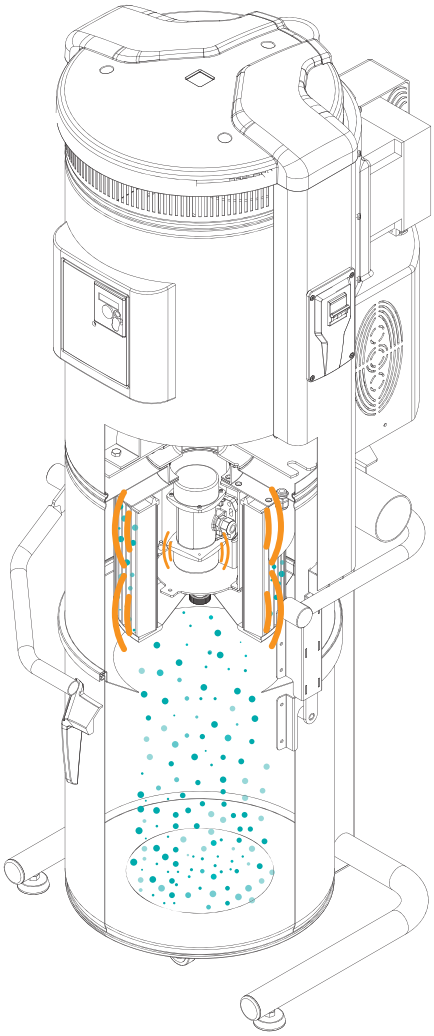
It is possible to connect the unit to the pipe network from the left or from the right, without adaptation, accelerating installation and maintenance.



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5 - Automatic filter cleaning system

A standard, vibrating automatic filter cleaning system, is installed in REVO Block vacuum units.
This device doesn't need programming. When the vacuum stops, a specific electric motor with vibrator automatically shakes the support of the filter: vibrations reach the filter surface causing the detachment of collected dust, which falls into the dust container.
With this system, the efficiency of the filter is restored after each use of the vacuum cleaner, dramatically reducing the maintenance of the unit.
N.B. Vacuum has priority on automatic cleaning: if the vacuum unit starts while the vibrating motor is working, this will stop immediately, in order to allow the correct working of the vacuum unit.

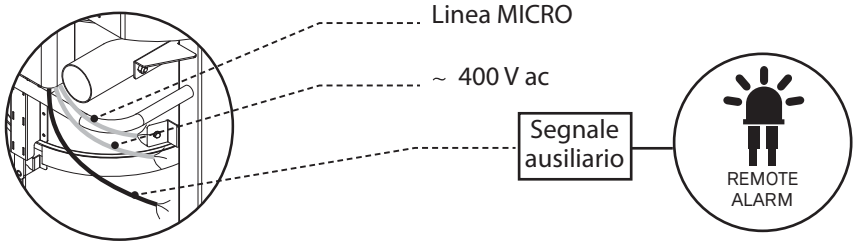


6 - Auxiliary alarm

On REVO Job 4 model (with inverter) it is possible to connect an auxiliary remote alarm (not supplied).
Every time that an alarm occurs on the inverter, the alarm circuit closes, activating the alarm.
N.B. To verify the model of supported alarms, you can refer to the instruction manual supplied with the vacuum unit.



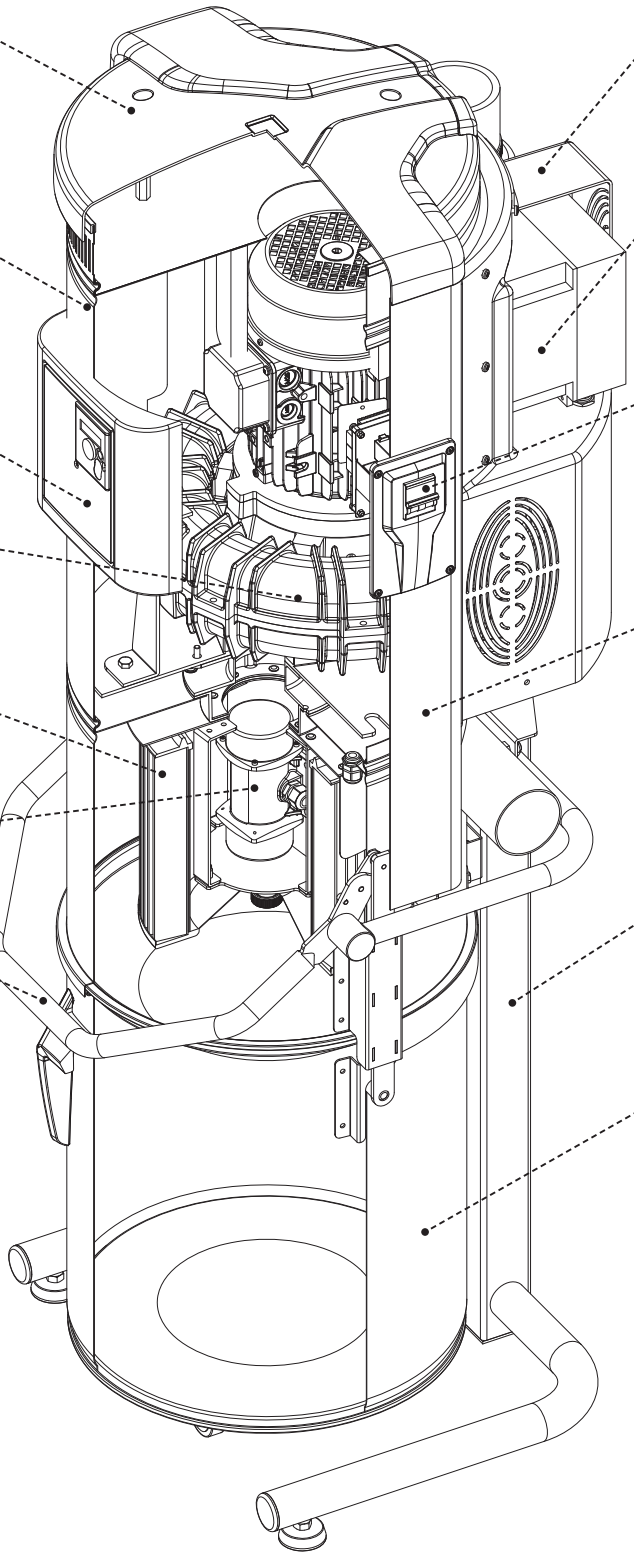




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REVO JOB

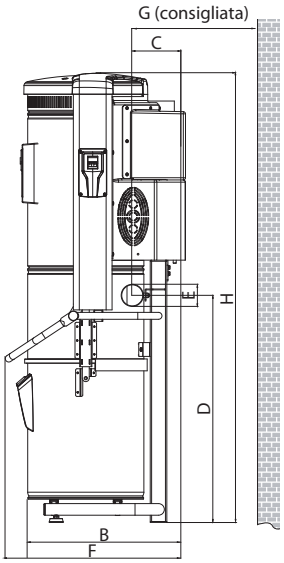
REVO Job vacuum unit

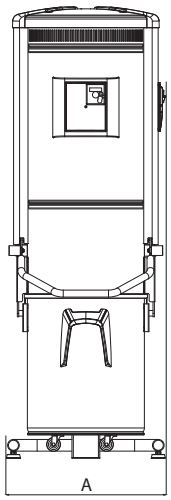


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MEASUREMENTS AND TECHNICAL DATA

REVO Job vacuum units can be used for professional uses in large houses, small hotels, offices, laboratories, sports centres and beauty salons, because they have a great vacuum power with a minimum size.
The model can be chosen according to the number of users required (max 3), the need to vary the vacuum power and surfaces to be cleaned.





REVO Job

Model Article		REVO Job 3 **3201.2J**	REVO Job 4 **3201.6J**
Vacuum inlet	Ø mm	80	80
Air discharge	Ø mm	80	80
IP protection degree	IP	20	20
Supply	V ac	400	400
Frequency	Hz	50/60	50/60
Motor power	kW	3	4
Absorption	A	6,3	8,1
Vacuum inlets supply	V dc	12	12
Speed electronic converter		NO	YES
Maximum air flow	m^3/h	414	570
Filtering surface	cm^2	17000	17000
Filter cleaning system	cm^2	YES	YES
Dust bin capacity	l	70	70
Air discharge		YES	YES
Air discharge silencer		YES	YES
Weight	kg	100	105
Measurements A	mm	570	570
Measurements B	mm	560	560
Measurements C	mm	178	178
Measurements D	mm	821	821
Measurements E	mm	675	675
Measurements F	mm	210	210
Measurements G		500	500
Measurements H	mm	1625	1625
Noise	dB(A)	60÷80	

N. B: Nominal noise values. Values may vary according to environment and manner in which the unit is installed.

CERTIFICATIONS

CE marking

IP 20 **IP protection degree**

Electrical insulation Class I

REVO Job line
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

N.B.: installation must be carried out in strict compliance with current regulations.

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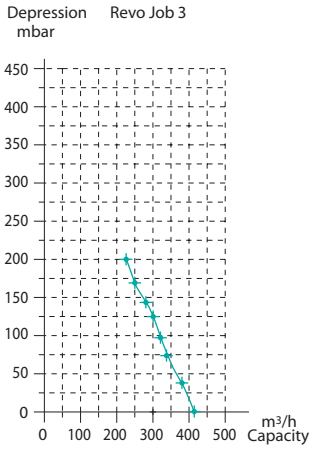
REVO JOB

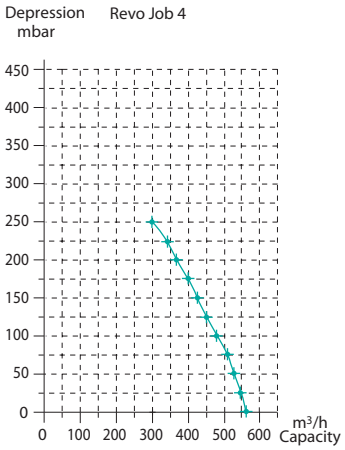
TECHNICAL FEATURES

REVO Job vacuum units are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.

Main technical characteristics can be listed as follows:
- Metal cylindrical frame painted with epoxy powder
- Metal dust bin container with wheels (capacity 70 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically.
- Possible connection to the piping from the right or from the left side, independently of each other.
- Three-phase power supply.
- Side-channel motor-pump group with light alloy case, high-performance and maintenance-free; professional motor with CE marking, IP 55 protection degree, F IEC 2 class, with integrated silencer.
- Mechanical breaker valve
- Automatic adjustment of vacuum power (inverter)
- Class M polyester filter, water washable.
- **Filter protection for a reduced maintenance.**
- Automatic filter cleaning system with vibration
- Vacuum inlets supply: 12 V
- Optional auxiliary alarm for maintenance
- Complete with silencer and sleeves for pipe network connection
- Suitable for all Sistem Air cleaning accessories

PERFORMANCE CHARTS





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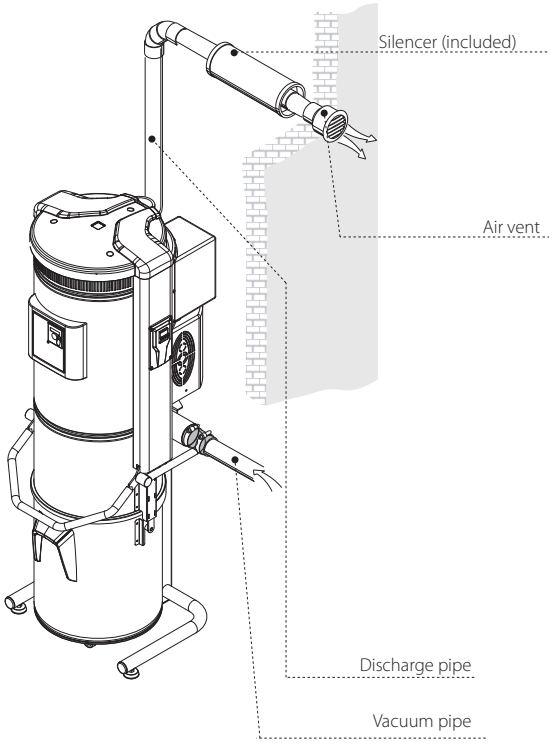
INSTALLATION TIPS

REVO Job vacuum units are equipped with an air discharge connection, in order to **expel dust particles that the filter cannot hold**.
They can be placed in technical rooms or utility rooms (such as garages, cellars, etc) protected from bad weather, humidity and temperature extremes.
Keep away from heat sources, such as stoves or radiators. (N.B. IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance and air exchange.
Its technical features allow the connection to the pipe network from the left or from the right.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.

INSTALLING THE CENTRAL UNIT

The vacuum unit does not require special anchoring. However, it is important to check that the area for installation has the following minimum requirements, in order to be correctly and securely positioned.
- a perfectly flat, horizontal and solid surface, without cracks.
- a vibration free surface

Furthermore it is essential that there are no disconnections such as to make the central unit instable.



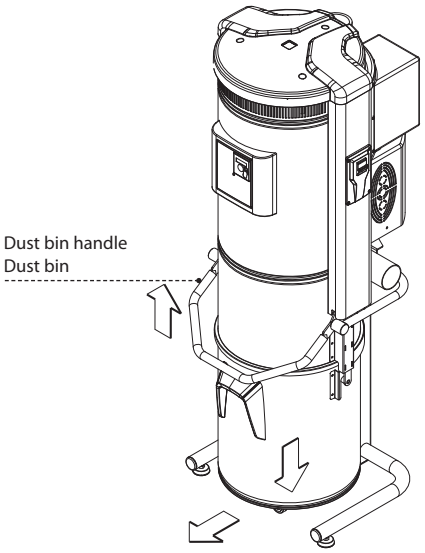
PIPE CONNECTION

Connections to pipe network and to air expulsion can be made on the left or on the right side of the vacuum unit.

WARNING: if the discharge pipe is longer than 5 meters it is necessary to install a bigger diameter (ex. 63 mm) in order to reach the optimal conditions for air expulsion.

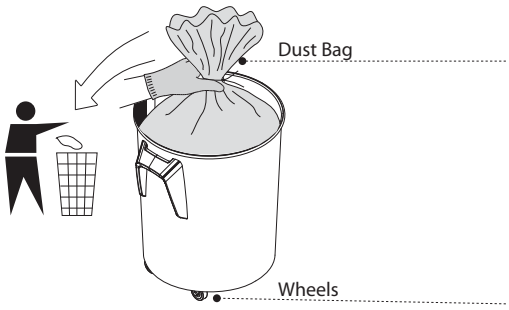
EASY BIN EMPTYING

REVO Job vacuum unit has a metal dust container with an easy opening system and a comfortable handle.



DUST CONTAINER WITH WHEELS

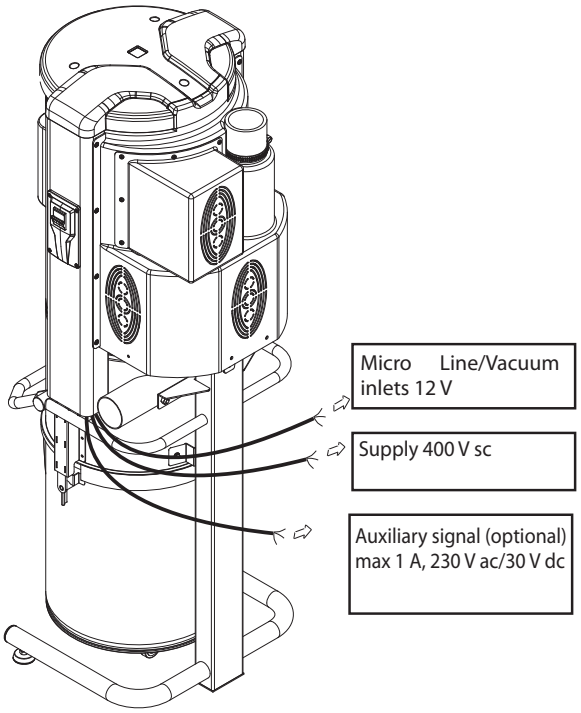
Thanks to its wheels, the dust container can be moved easily.



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REVO JOB

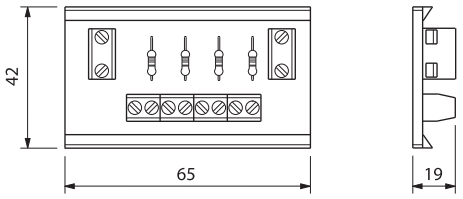
ELECTRICAL CONNECTIONS



Resistive divider (only for Revo Job 4)

ARTICLE	DESCRIPTION	PACKAGING Pc
3301.4	4 entrance resistive divider	1

Resistive divider is indispensable to change the vacuum power of REVO Job 4 vacuum unit.
Each resistive divider can receive up to four inlets, they can be connected each other without limits.
For more details about connection see page 138.



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
These routine maintenance cycles specifically concern filter cleaning, emptying of the dust-bin, bag substitution, checking that the electric motor is working correctly, possible air discharge and obstruction checking.
All extraordinary maintenance operations must be carried out by qualified, authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.com**

revo Job

Essential performance is the main virtue of this vacuum unit. These images describe its constructive strength and the quality of its components.






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REVO BLOCK PROFESSIONAL

REVO Block Professional vacuum units are the best vacuum cleaners for professional use on central vacuum unit sector. Their high quality construction is combined with a **performance electronic management of latest generation,** used to simplify installation and use: everything can be managed by the **new touch screen display.**



INSTALLATION AREA

Revo Block Professional vacuum units can be used in buildings with the following features:

- Surfaces up to 2000 m^2
- Suitable for 3 users maximum
- Pipe network according to the number of users
- Supply: from 220/240 Vac single-phase to 400 V three-phase
- Continuous use
- External air exhaust

Revo Block Professional SELECTION TABLE

MODEL	Recommended surface	ARTICLE	Supply V ac	Max. number of users
Revo Block Professional 500	**500 m^2**	**3201.1B**	220/240	1
Revo Block Professional 700	**700 m^2**	**3201.2B**	400	1
Revo Block Professional 1000	**1000 m^2**	**3201.3B**	220/240	2
Revo Block Professional 1200	**1200 m^2**	**3201.4B**	400	2
Revo Block Professional 1500	**1500 m^2**	**3201.5B**	400	2
Revo Block Professional 1800	**1800 m^2**	**3201.6B**	400	3

MAIN FEATURES OF THE PRODUCT

- Maintenance computer
- Optional automatic filter cleaning
- Energy saving vacuum unit
- CE marking
- IP protection degree
- Isolation class 1
- Max number of users: 3

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CHARACTERISTICS

1 - New touchscreen interface



The Revo Block Professional vacuum units of latest generation have a new touchscreen display that makes their use easier.
The touchscreen display is an easy interface for all users:

- For the installer, that can find all set-ups to manage the working of the vacuum unit;
- For the final user, that can check the system conditions in every moment, with real time messages about required maintenance and instructions to execute them.

Thanks to the graphic display, all maintenance operations are supported by images for immediate understanding, supporting the service staff without the need of the instruction manual.
For the installer, the graphic display means an extra value in these circumstances:

- During the first installation, because a special training is not required, but just follow the wizard;
- During the next maintenance operations it is possible to control all the working parameters on the display, in order to find immediately the correct operation.

The display is nothing but the interface of a real computer set up that rules the vacuum unit and optimizes its performances, stating:

- The depression on the system, with the possibility to modify the vacuum power directly from the display
- The level of the dust container
- The filter efficiency
- The need for scheduled maintenance, showing the phone number that the installer has entered during first installation

Additional functions can be managed from the touch screen:

- **Autocleaner maintenance (if present);**
- **Set up of vacuum interruption, in case of warning and/or alarm.**
- **Test function**
- **Alarms list archieve**
- **Electrical consumptions of the vacuum unit**
- **Extraordinary maintenance activities list**

Screen examples:



Main screen

It is possible to verify if the vacuum unit is On, the central system depression, all the others control screens.



Filter control

Filter efficiency, thanks to the colored status bar, easy to understand.



Dust bin emptying

Instructions for dust bin emptying: when the vacuum unit advises that the bin must be emptied,
an animation sequence shows how to perform the operation, helping even the inexpert user.



Vacuum unit info

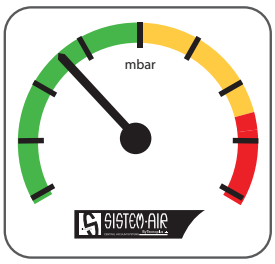
Screen with info about the unit, with all working parameters.

REVO BLOCK PROFESSIONAL

2 -Consumption optimization control



The commitment of Sistem Air to reduce consumption of its central vacuum units continues with the new Revo Block Professional line: compared to the previous models, new blowing motors have been adopted and they have a better energy efficiency class (IE2 class), able to offer the same vacuum power, with lower consumptions. The electronic motor maintenance, that optimizes performances and prevents any absorption peaks, can process the data that have been transmitted from a temperature sensor installed on the motor, to act promptly on the operating parameters and avoid possible malfunctions.
These features grant a greater reliability.



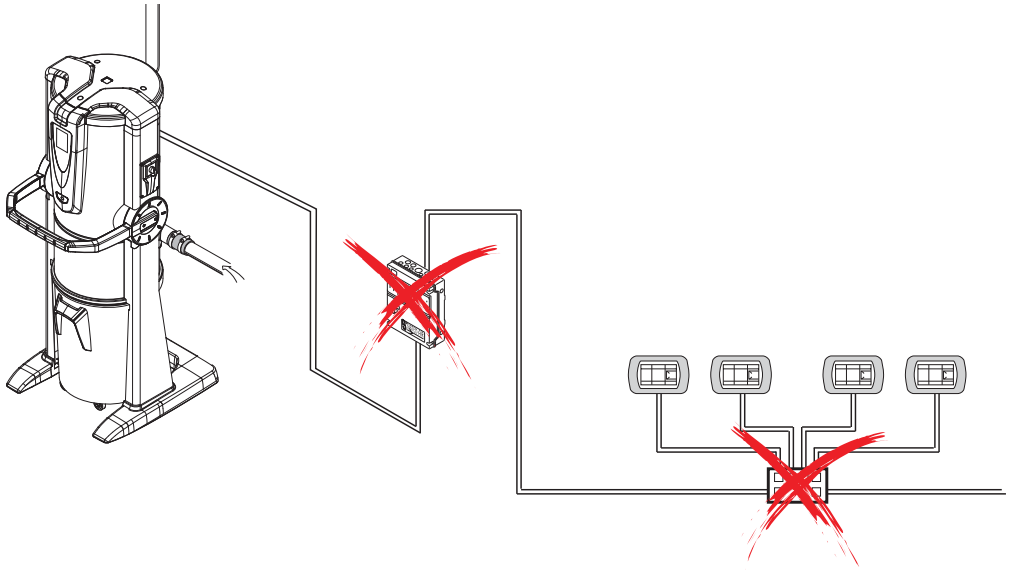


REVO Block Professional units **have a continuous control system of vacuum power**, that allows to maintain it constant even with different use conditions (for example an additional user that starts working or a brush change).

Then it is possible to set up the depression required: set up is made with the touchscreen display in a quick and easy way.

3 - Simplification

Revo Block vacuum units installation is really easy, thanks to the new electronic components, with easy connections and without the possibility of making mistakes. Even the management of more users at the same time doesn't need additional panels or resistive dividers connected to the vacuum inlets: the automatic control system of performances
detects the change and acts on the motor so as to compensate the vacuum power and ensure its proper dispensing.

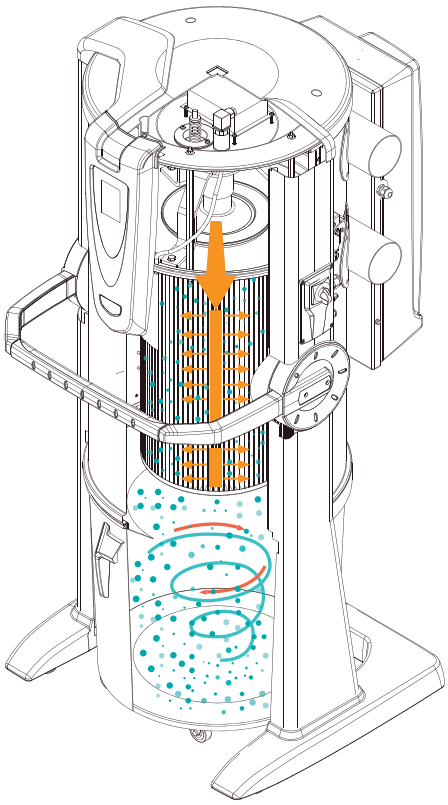


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4 - Automatic filter cleaning

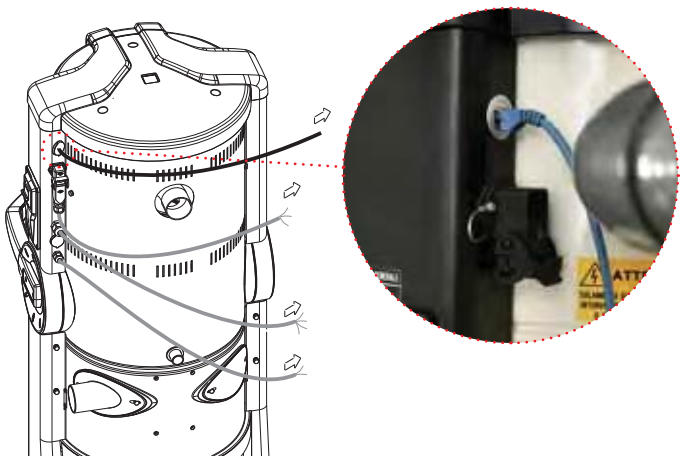
All Revo Block vacuum units are designed for the installation of the Autocleaner system: a reversed compressed air spray crosses the filter and the dust on the filter surface or between its folds, can drop inside the dustbin.
Autocleaner can be programmed on one's choice and this device can be installed after the vacuum unit installation. All Revo Block vacuum units have the Autocleaner arrangement, that consist of pneumatic connections, electrical connections and software for maintenance managing, that offers standard or personalized set up.





5 - Remote alarms (optional)

With an optional card that allows connection to an Ethernet network, it is possible to check the status of the central vacuum system from any terminal connected to the network: using a special software to install on the PC, all information are available on the touchscreen display.

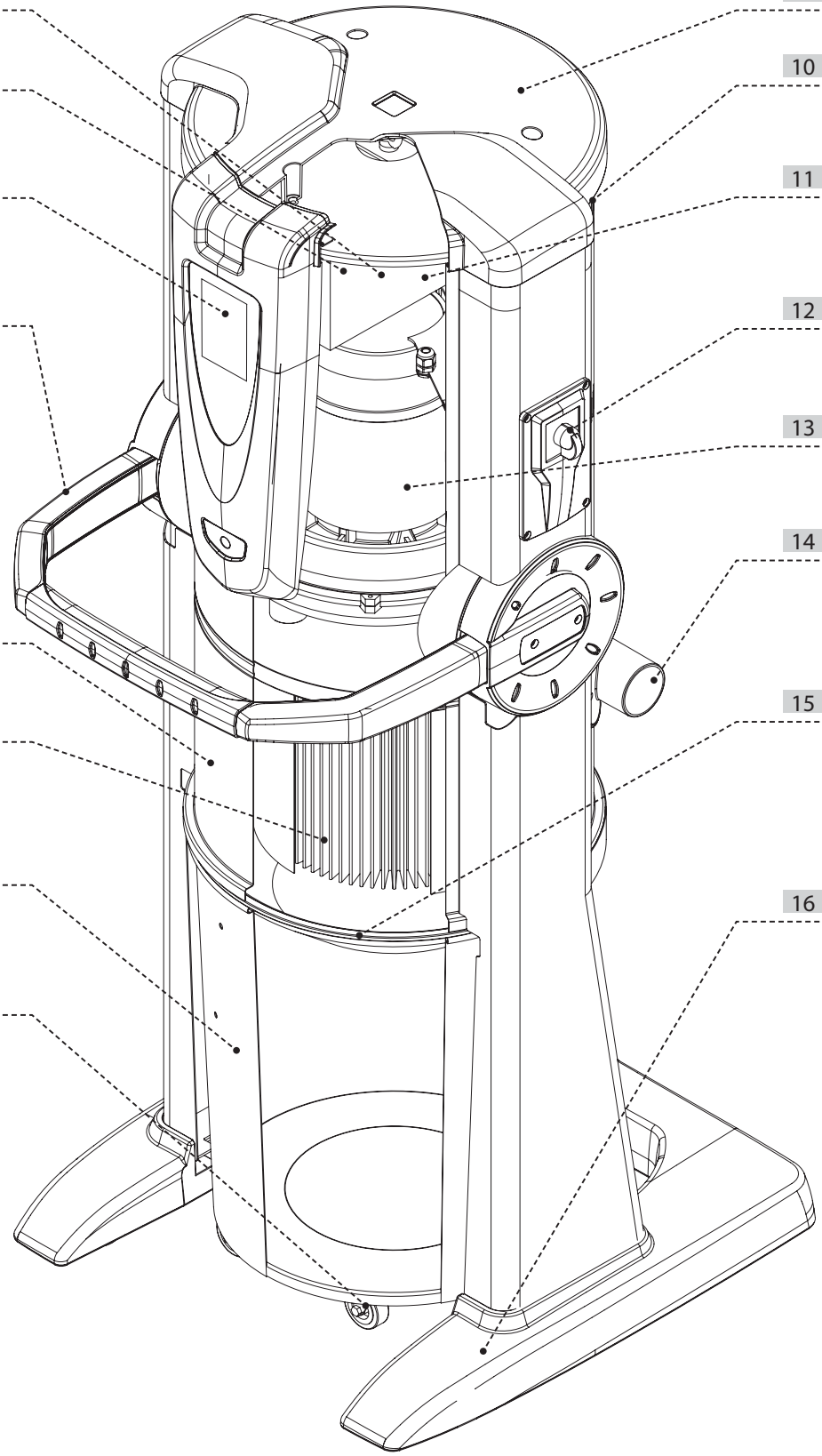




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REVO BLOCK PROFESSIONAL

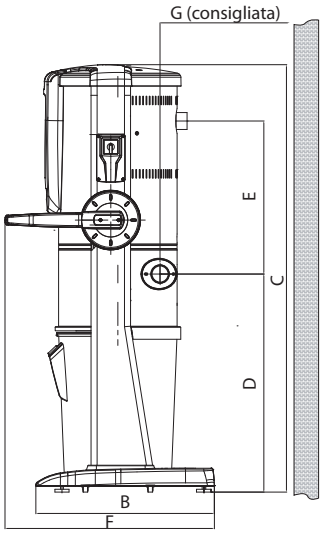
Revo Block Professional

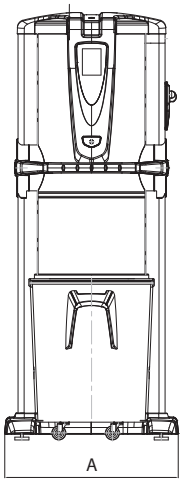


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MEASUREMENTS AND TECHNICAL DATA

REVO Block Professional line can be installed for professional and semi-professional uses, with a maximum of three users at the same time.
The model can be chosen according to the total surface to clean and the number of users required, in order to grant the vacuum power needed.





Revo Block Professional							
Model		Revo Block 500	Revo Block 700	Revo Block 1000	Revo Block 1200	Revo Block 1500	Revo Block 1800
Article		**3203.1B**	**3203.2B**	**3203.3B**	**3203.4B**	**3203.5B**	**3203.6B**
Maintenance computer		YES	YES	YES	YES	YES	YES
Vacuum inlet	Ø mm	63	63(*)	63(*)	63(*)	63(*)	80
Air discharge	Ø mm	63	63	63	63	63	80
IP protection degree		20	20	20	20	20	20
Supply	V ac	220/240	400	220/240	400	400	400
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Motor power	kW	1,5	2,2	2,2	2,2	4	4
Absorption	A	5,6	4,6	7,9	4,6	8,1	8,1
Vacuum inlets supply	V dc	12	12	12	12	12	12
Speed electronic converter		YES	NO	YES	YES	YES	YES
Maximum air flow	m^3/h	265	304	366	366	471	570
Filtering surface	cm^2	17000	17800	17800	17800	17800	17800
Dust bin capacity	l	62	106	106	106	106	106
Air discharge		YES	YES	YES	YES	YES	YES
Air discharge silencer		YES	YES	YES	YES	YES	YES
Weight		75	95	95	95	105	115
Measurements A	mm	615	750	750	750	750	750
Measurements B	mm	633	633	633	633	633	633
Measurements C	mm	1515	1616	1616	1616	1616	1616
Measurements D	mm	773	773	773	773	773	773
Measurements E	mm	542	642	642	642	642	642
Measurements F	mm	750	750	750	750	750	750
Measurements G	mm	600	600	600	600	600	600
Noise	dB(A)	60÷80					

N. B: Nominal noise values. Values may vary according to environment and manner in which the unit is installed.

*these models are supplied with a sleeve 63/80 to connect the vacuum unit to the pipe network.

CERTIFICATIONS

CE marking

IP protection degree

IP 20

Electrical insulation

CLASS I

Linea Revo Block Professional
Device in compliance with the following standards:

EC DIRECTIVES
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

N.B. installation must be carried out in strict compliance with current regulations.

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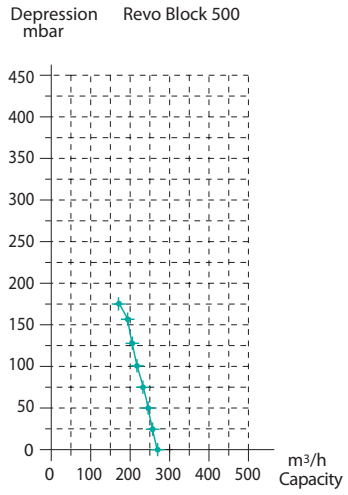
REVO BLOCK PROFESSIONAL

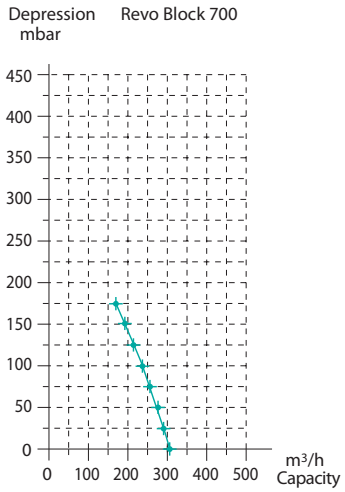
TECHNICAL FEATURES

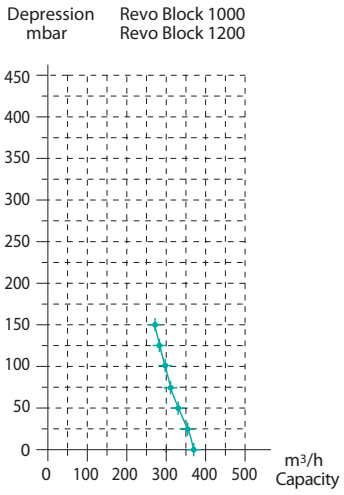
REVO Block Professional vacuum units are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.
Main technical characteristics can be listed as follows:

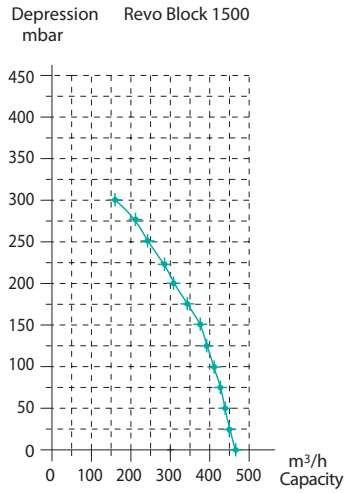
- **Metal cylindrical frame painted with epoxy powder**
- Base coated with anti-shock material to protect the vacuum unit.
- Metal dustbin with wheels (capacity 62/106 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically.
- Possible connection to the piping from the right or from the left side, independently of each other.
- Single-phase and three-phase power supply
- Side-channel motor-pump group with light alloy case, high-performance and maintenance-free; professional motor with CE marking, IP 55 protection degree, F IEC 2 class, with integrated silencer.
- Thermal protectorPTO
- Mechanical breaker valve
- Automatic adjustment of vacuum power (inverter)
- Vacuum power customizable set up
- Maintenance computer with touchscreen interface
- Pressure transducer for vacuum performance reading
- Class M polyester filter, water washable.
- **Filter protection for a reduced maintenance.**
- Vacuum inlets supply: 12 V.
- Complete with silencer and sleeves for pipe network connection
- Suitable for all Sistem Air cleaning accessories
- Possibility to combine, even after installation, the automatic filter cleaning system Autocleaner (see page ….)

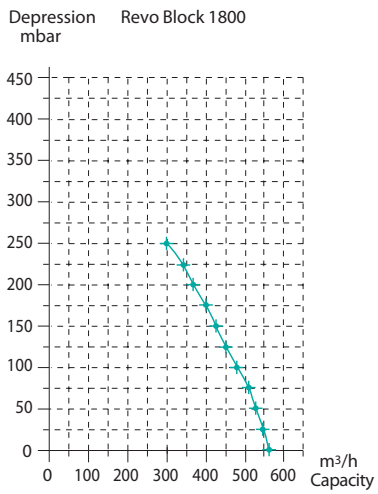
PERFORMANCE CHARTS











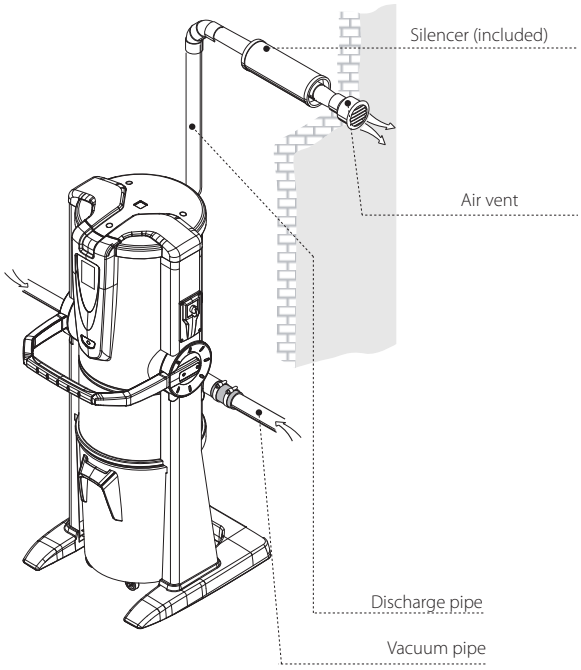
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INSTALLATION HINTS

Vacuum units are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold outside.
They can be placed in soundproofed technical rooms or utility rooms (for example garages, basements, etc…) to protect the other rooms from noise and to keep them protected from bad weather, humidity and temperature leaps. Keep away from heat sources, such as stoves or radiators. (N.B.: IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance, a proper air exchange around the unit and passive acoustic requirements of the building.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.
In case of exposed pipes, to avoid the sediment of dusts on the walls close to the pipes caused by static charges, we recommend to make the pipe network with metal pipes, connected to the ground.

INSTALLING THE CENTRAL UNIT

The vacuum unit does not require special anchoring. However, it is important to check that the area for installation has the following minimum requirements, in order to be correctly and securely positioned.
- a perfectly flat, horizontal and solid surface, without cracks.
- a vibration free surface. Furthermore it is essential that there are no disconnections that could make the central unit instable .



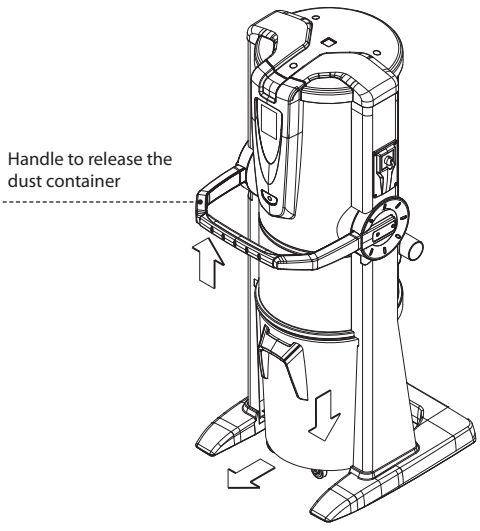
PIPE CONNECTION

Connections to pipe network and to air expulsion can be made on the left or on the right side of the vacuum unit.

WARNING: if the discharge pipe is longer than 5 meters it is necessary to install a bigger diameter in order to reach the optimal conditions for air expulsion.

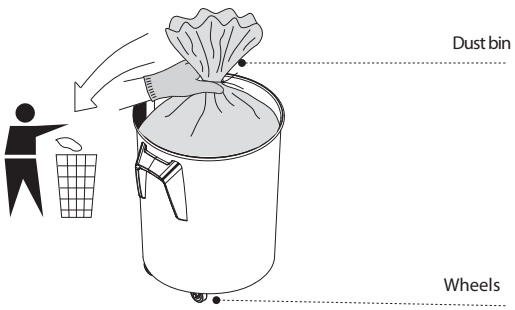
EASY BIN EMPTYING

Revo Block Professional vacuum units have a dust container with an easy opening system and a soft touch handle coated in shockproof material.



DUST CONTAINER WITH WHEELS

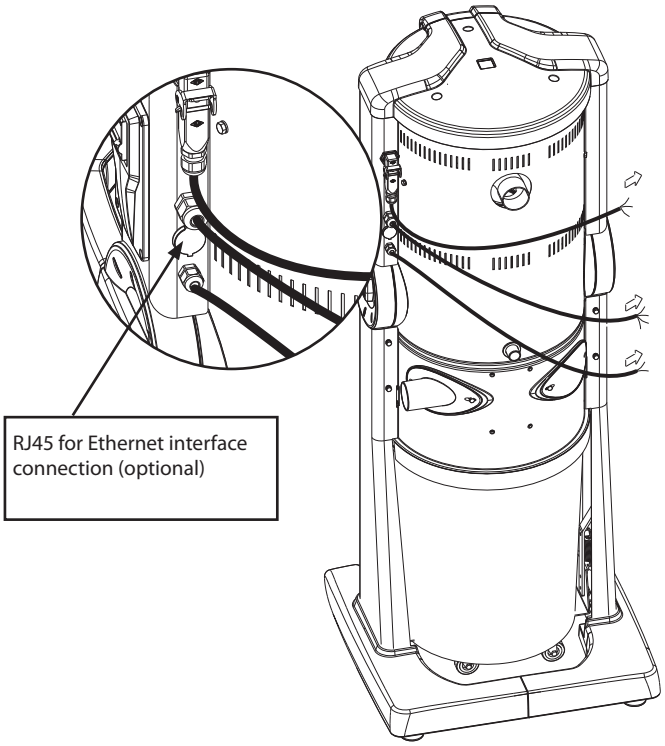
Thanks to its wheels, the dust container can be moved easily.



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REVO BLOCK PROFESSIONAL

ELECTRICAL CONNECTION



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust-bin, bag substitution, checking that the electric motor is working correctly, possible air discharge and obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.it**

revo block professional





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PROFESSIONAL INDUSTRIAL

Factories, cinemas/museums/theatres, hotels/ residences, rest homes/hospitals



Industrial Clean
big/small



Industrial Motor



Autocleaner
universal system

SPECIAL APPLICATIONS



S-TURBIX m-TURBIX B-TURBIX





Basic
big/small



Automatic discharge separator

Sistem Air vacuum modular systems represent the most technological expression of the central vacuum system for industrial applications, when the power supplied must always be appropriate, even in varying conditions of use.

master Line
Professional



PROFESSIONAL INDUSTRIAL

INDUSTRIAL CLEAN 118

INDUSTRIAL MOTOR MATIC 124

INDUSTRIAL MOTOR 130

INSTALLATION ELEMENTS 136

AUTOCLEANER 140

SPECIAL APPLICATIONS 146

CHOICE GUIDE 166

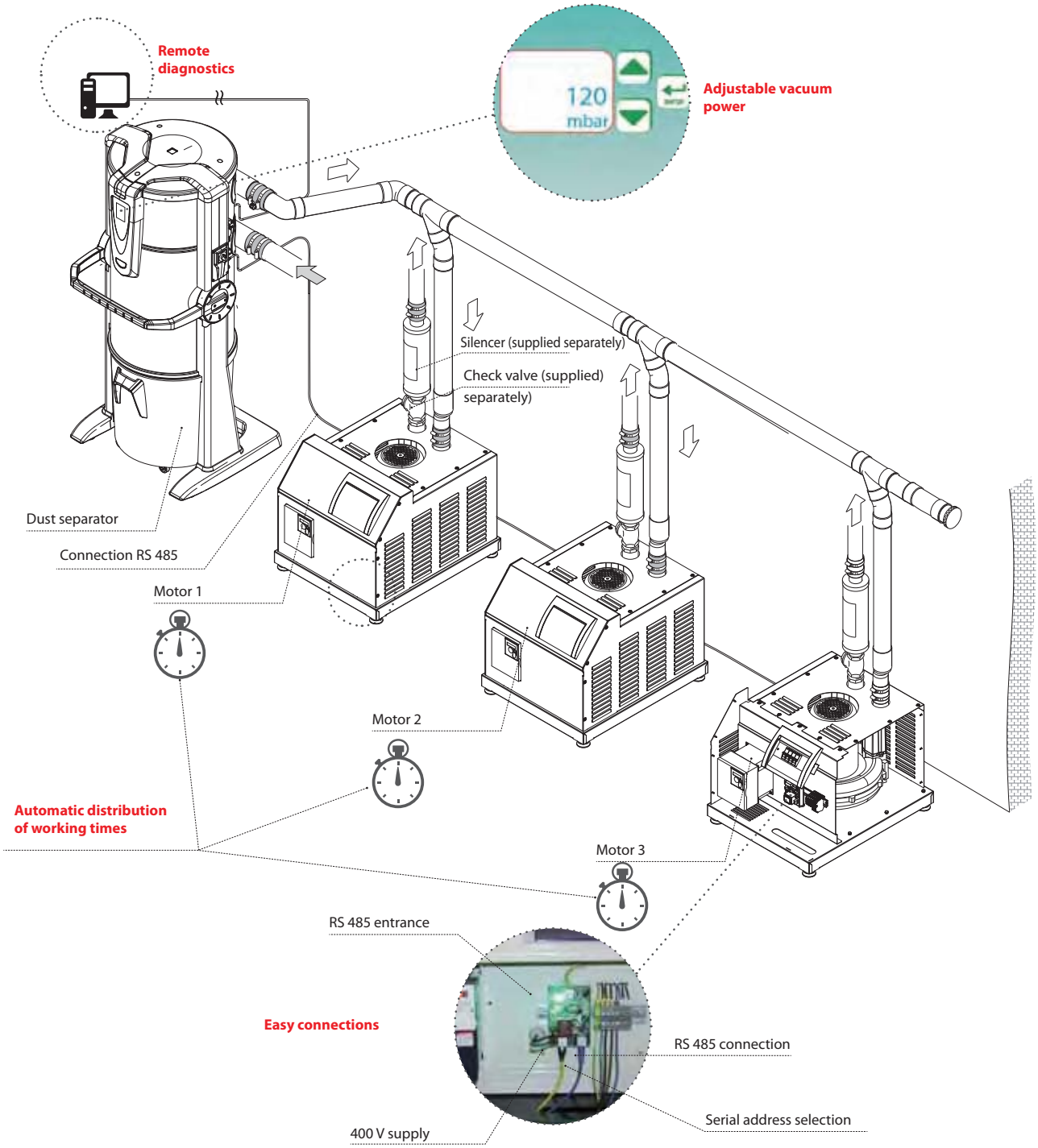
MASTER LINE PROFESSIONAL

INSTALLATION AREA

Master Line professional modular systems are composed of Industrial Clean and Industrial Motor (dust separators and blowing motors) and can be used in all professional/industrial applications, without limits regarding surfaces to be cleaned or number of users.

- Suitable for systems used by many operators simultaneously
- Pipe network made with piping suitable for handling the required number of simultaneous users
- Three phase 400 V supply
- Continuous use
- Air discharge to the outside

ADVANTAGES IN BRIEF

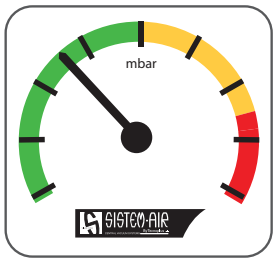


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MAIN FEATURES OF THE PRODUCT

1 -Consumption optimisation

The commitment undertaken by Sistem Air to reduce consumption by its vacuum units affects the entire industrial line: compared to the previous models, the **new blowing motors** that have been introduced offer a greater energy efficiency class (IEC 2 Class) and they are able to grant the same performance with a lower consumption.
The electronic management of the motor, apart from improving performance and preventing absorption peaks, is able to process the data transmitted from a **temperature sensor** mounted on the motor, so as to act promptly on operating parameters and avoid possible malfunctions. **This means a greater reliability of use**.



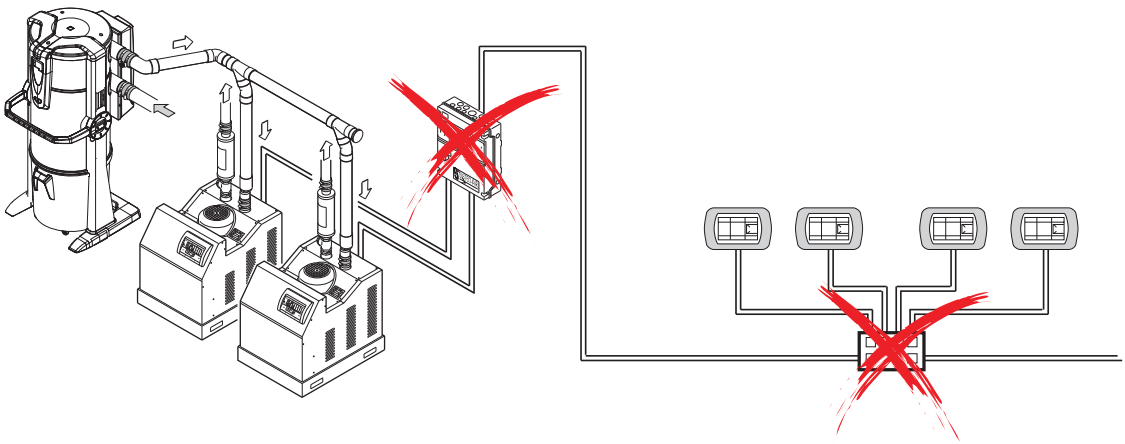


Industrial Clean dust separators have a **system of continuous control of vacuum power**, keeping it constant under varying conditions of use (e.g. an additional user that intervenes simultaneously or different type of brush used).
You can also set the desired operating depression: the adjustment is made simply and intuitively with the touch screen.

The dust separator is able **to share the workload between all the connected blowing** motors, changing the starting priority every time, in order to balance the motor wear.

2 - Simplification

Thanks to their evolved electronics, **the installation of industrial systems is also extremely simple**, with quick and easy connections and no possibility of mistakes.
Even the management of multiple simultaneous operators doesn't require additional frameworks or resistive dividers to be connected to the vacuum inlets: the automatic control system monitors the change in performance and acts on the motor, compensating for the vacuum power and ensuring proper distribution.



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MASTER LINE PROFESSIONAL

3 - New User Interface with Touch Screen



The new generation modular systems by Sistem Air have a new touch screen display that simplifies the use of the vacuum unit.
The touch screen display is an easy interface for all users:

- For the installer, who can manage all the set-ups to control the correct working of the vacuum unit;
- For the final user, who can check the system conditions, with real time messages about required maintenance and how to perform it.

Thanks to the graphic display, all the **maintenance operations are guided by pictures of immediate comprehension**, without the need to learn the procedure on the technical manual, especially in case of alternated service personnel.
For the installer, the display means an added value:

- During the initial installation, when specific training is not required but just follow the wizard;
- During subsequent maintenance operations, on the display it is possible to control all the working parameters and the archived alarms, in order to identify required maintenance quickly.

The display is simply the interface of a real computer set up to govern the vacuum unit and optimize performance, stating:

- The depression on the system, with the possibility to modify the vacuum power directly from the display
- The level of the dust container
- The filter efficiency
- The need for scheduled maintenance, showing the phone number that the installer has entered during installation

Additional functions can be managed from the touch screen:

- **Autocleaner maintenance (if present)**
- **Set up of vacuum interruption, in case of warning and/or alarm**
- **Test function**
- **Alarms list archive**
- **Electrical consumption of the vacuum unit**
- **Extraordinary maintenance activities list**

Screen examples:



Main screen

In the main screen it is possible to verify if the vacuum unit is On, the central system depression, and all the other control screens.



Filter control

Filter efficiency, easy to understand thanks to the coloured status bar.



Dust bin emptying

Instructions for dust bin emptying: when the vacuum unit advises that the bin must be emptied,
an animation sequence shows how to perform the operation, helping even the inexpert user.



Individual Motor information

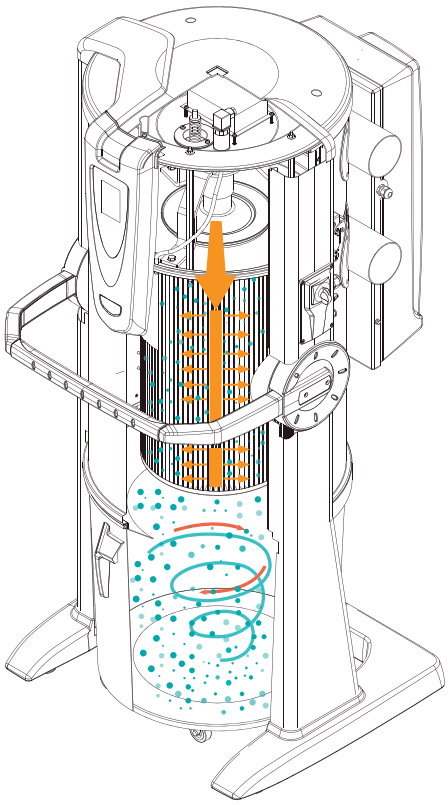
Unit information screen,
with all working parameters shown.

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4 - Automatic filter cleaning

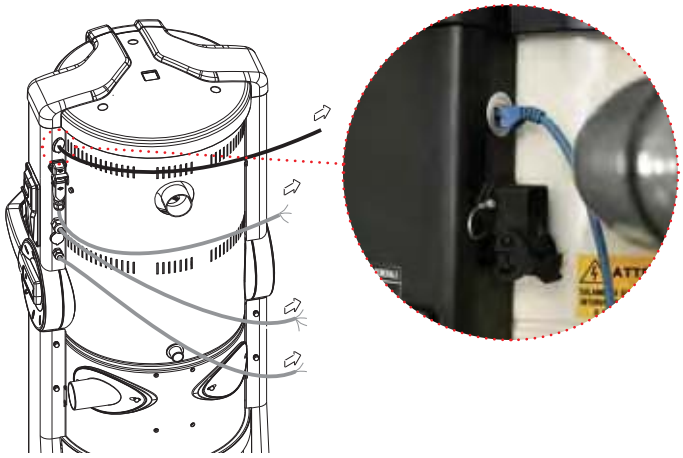
All industrial vacuum units are designed for the installation of the **Autocleaner system that frees the filter walls from dust**, using a reversed compressed air spray that crosses the filter. The dust on the filter surface or between its folds, can drop inside the dustbin.
Autocleaner can be **programmed as required** and this device can be installed after the vacuum unit installation. All Industrial Clean separators have the Autocleaner arrangement, that consist of pneumatic connections, electrical connections and software for maintenance managing, offering standard or personalised set up.





5 - Remote alarms (optional)

With an optional card that connects to an **Ethernet network**, it is possible to check the status of the central vacuum system from any terminal connected to the network: using special software to install on the PC, all information is available on the touchscreen display.





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INDUSTRIAL CLEAN

Industrial Clean
big/small

Industrial Clean dust separators are equipped with the computer that can manage the whole industrial vacuum system:
- They manage up to 8 simultaneous motors, all connected to the same separator;
- They can measure the depression of the installation and automatically adapt the motor speed
- They are equipped with the software that manages the Autocleaner system, in order to use it immediately.

The technology has the aim of simplifying use and offering maximum reliability: this, together with design are ongoing commitments from Sistem Air.
The result is a product without equal.



SELECTION TABLE Industrial Clean

Motor air flow	MODEL	ARTICLE	Recommended number of users with Ø 32 pipe	Recommended number of users with Ø 40 pipe	Maintenance computer	Dust container capacity (l)	Filtering surface (cm^2)	Supply V ac
Up to 700 m^3/h	Industrial Clean Small	**3403.0**	4	3	SI	62	24000	220/240
Up to 1200 m^3/h	Industrial Clean Big	**3403.1**	8	4	SI	106	43400	220/240

MAIN FEATURES OF THE PRODUCT

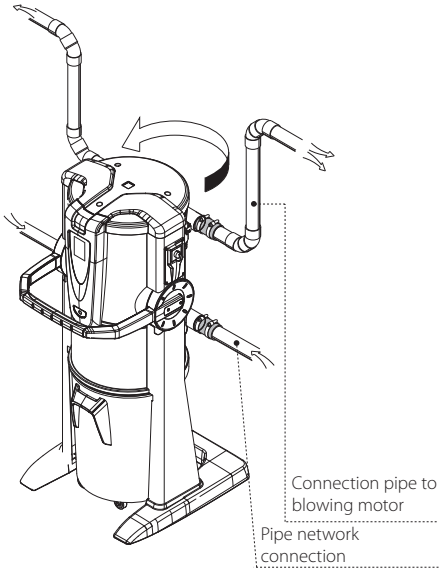
- Maintenance computer
- Optional automatic filter cleaning
- CE marking
- IP protection degree
- Isolation class 1
- Modular system with no limits

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PIPE CONNECTION

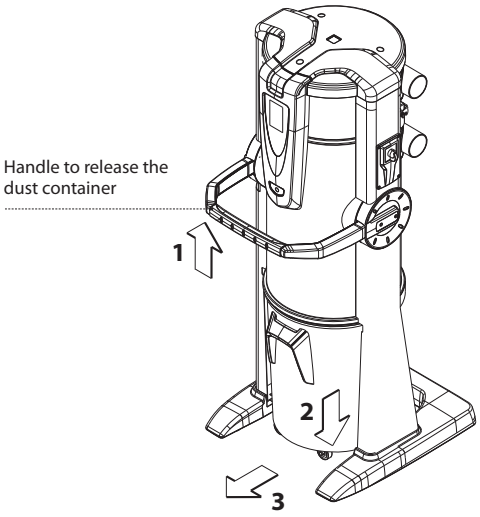
Connections to pipe network and to air expulsion can be made on the left or the right side of the vacuum unit.

WARNING: if the discharge pipe exceeds 5m, it is necessary to install a larger diameter, in order to reach the optimal conditions for air expulsion.



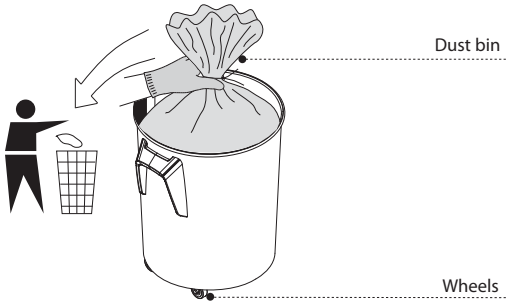
EASY BIN EMPTYING

Industrial Clean dust separators have a dust container with an easy opening system and a soft touch, easy to open handle coated in shockproof material.



DUST CONTAINER WITH WHEELS

Thanks to its wheels, the dust container can be moved easily



TECHNICAL FEATURES

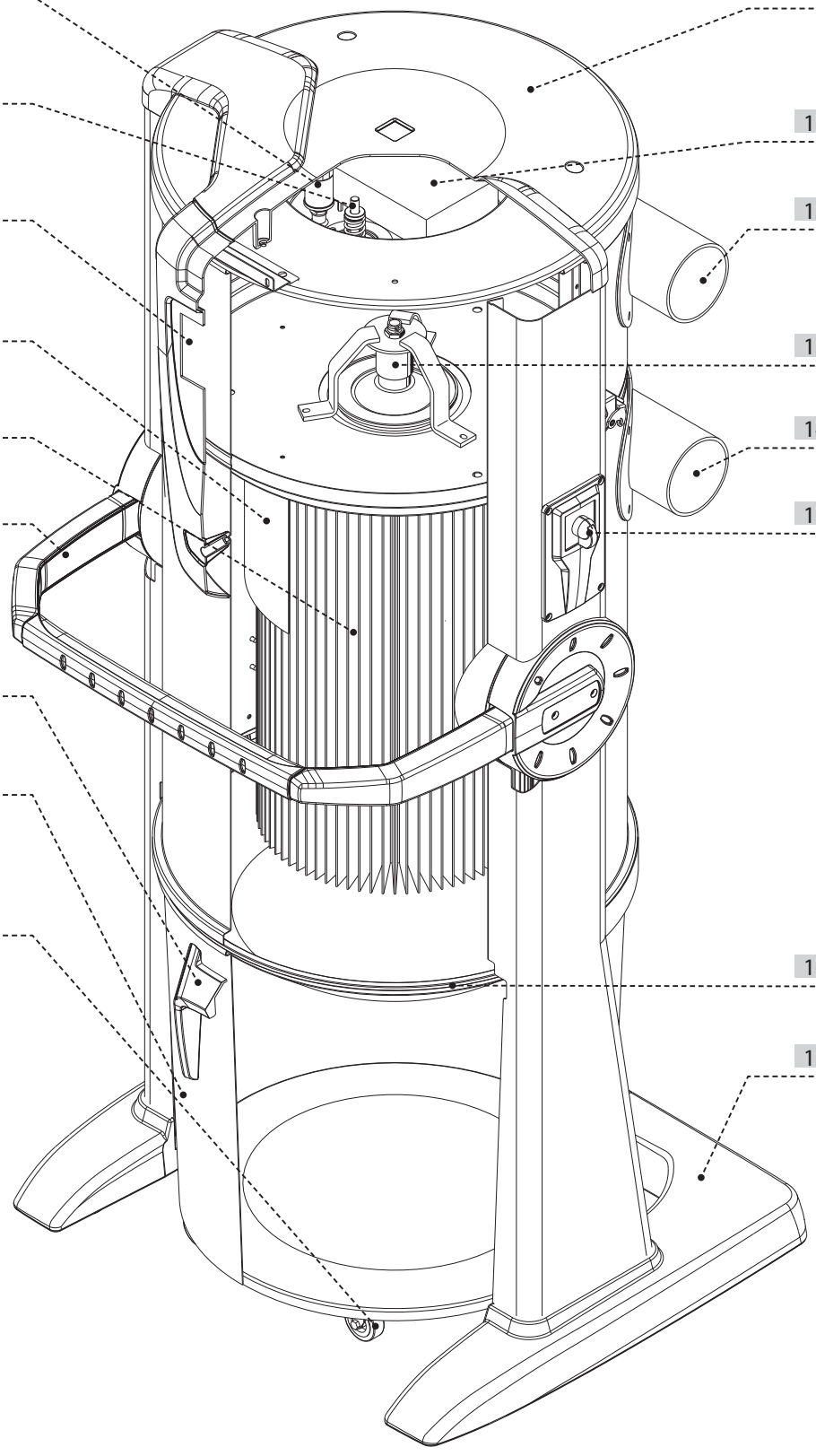
Industrial Clean dust separators are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.
Main technical characteristics can be listed as follows:

- Single-phase power supply
- Mechanical breaker valve that manages the vacuum flow
- Possible piping connection from the right, or from the left side, independently of each other, for the connection to the vacuum pipes and the blowing motors
- Maintenance computer with touchscreen interface
- Pressure transducer
- Automatic adjustment of vacuum power (Sistem Air exclusive)
- Manual selection of the maximum vacuum power
- Metal cylindrical frame painted with epoxy powder
- Base coated with anti-shock material to protect the vacuum unit
- Metal dustbin with wheels (capacity 62/106 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically
- Class M polyester filter, water washable (filtering surface 17000/17800 cm^2)
- Vacuum inlets supply 12V
- Connection RS485 between Industrial Clean separators and blowing motors (Matic models)
- Possibility to combine, even after installation, the automatic filter cleaning system Autocleaner (see page 140)

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INDUSTRIAL CLEAN

Industrial Clean SECTION

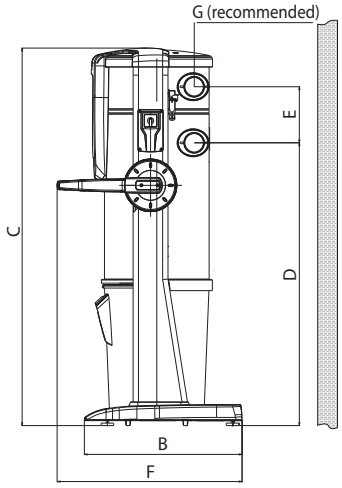


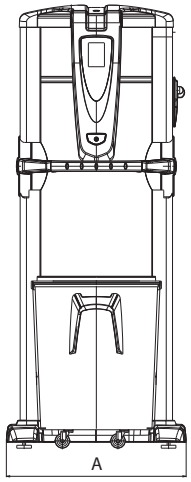
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MEASUREMENT AND TECHNICAL DATA

Industrial Clean Small and Industrial Clean Big dust separators are suitable for innumerable solutions of use, thanks to their versatility and ability to be matched with the other components of an industrial central vacuum system. Dust containers are available in two high-capacity sizes and can be used in small, or big industrial applications.
The choice must be made according to the total air flow of the motors to which they are matched, the number of users and the updating of the Autocleaner system.

As dust separators are a component of the system, we recommend making a choice after careful global assessments, taking into account the needs and the features of the system, but also the other components required to get a complete vacuum system.





		Industrial Clean	
Model		Industrial Clean Small	Industrial Clean Big
Article		**3403.0**	**3403.1**
Maintenance computer		YES	YES
Breaker valve	Ø mm	YES	YES
Protection degree	IP	20	20
Supply	V ac	220/240	220/240
Frequency	Hz	50/60	50/60
Filtering surface	cm^2	24000	43400
Dust bin capacity	l	62	106
Weight	kg	53	67
Measure A	mm	615	750
Measure B	mm	633	633
Measure C	mm	1515	1616
Measure D	mm	1135	1148
Measure E	mm	281	281
Measure F	mm	745	745
Measure G	mm	600	600
Measure M (air entrance)	mm	80	100
Measure N (air exhaust)	mm	80	100

CERTIFICATIONS

CE marking

IP protection degree

IP 20

Electrical insulation

CLASS I:

Industrial Clean Line

Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

Compliance to REACH Directives.

N.B. installation must be carried out in strict compliance with current regulations.

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INDUSTRIAL CLEAN

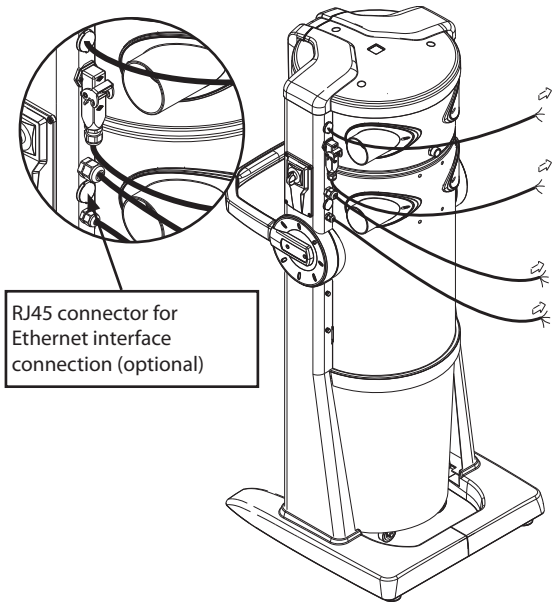
INSTALLATION HINTS

Dust separators are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold.
They can be placed in soundproofed technical rooms or utility rooms (for example garages, basements, etc…) to protect the other rooms from noise and to keep them protected from bad weather, humidity and temperature extremes. Keep away from heat sources, such as stoves or radiators. (N.B. IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance, a proper air exchange around the unit and passive acoustic requirements of the building.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.
In case of exposed pipes, to avoid the sediment of dusts on the walls close to the pipes caused by static charges, we recommend making the pipe network with metal pipes, connected to the ground.

INSTALLING THE CENTRAL UNIT

The separator does not require special anchoring. However, it is important to check that the area for installation has the following minimum requirements, in order to be correctly and securely positioned.
- a perfectly flat, horizontal and solid surface, without cracks.
- a vibration free surface. Furthermore it is essential that there are no disconnections that could make the central unit instable.

ELECTRIC CONNECTION



MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
In particular, these routine maintenance cycles concern filter cleaning, emptying of the dust-bin, checking that the electric motor is working correctly, possible air discharge and obstruction checking.
All extraordinary maintenance operations must be carried out by qualified and/or authorised staff.

For more details, technical information and assistance please visit our web site **www.sistemair.com**

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INDUSTRIAL MOTOR Matic models (with inverter)

Industrial Motor matic

Industrial Motors of Matic line offer an extraordinary vacuum power in all situations, intelligently supplied thanks to the electronic management of an updated inverter, especially with respect to stability in extreme working conditions.
The new generation blowing motors ensure greater efficiency and safety.



SELECTION TABLE Industrial Motor Matic

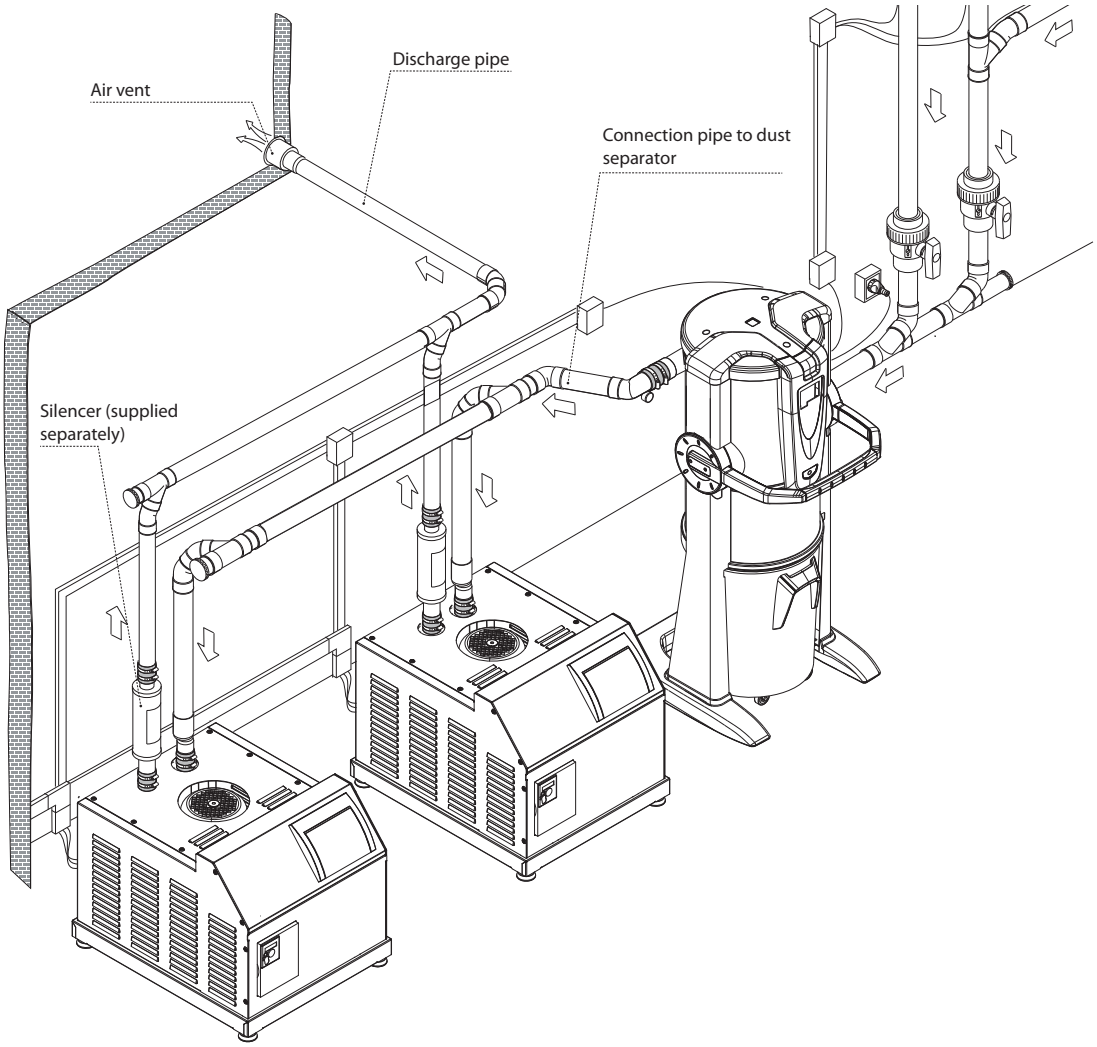
MODEL	ARTICLE	Max number of users
Industrial Motor U1 Matic	**3503.2M**	1
Industrial Motor U2 Matic	**3503.4M**	2
Industrial Motor U3 Matic	**3503.6M**	3
Industrial Motor U4 Matic	**3503.7M**	4

MAIN FEATURES OF THE PRODUCT

- **CE marking**
- **Isolation Class 1**
- **IP protection degree**
- **Max number of simultaneous users - multiple users**

Pipe network connection

WARNING: if the discharge pipe exceeds 5 m, it is necessary to install a larger diameter in order to reach the optimal conditions for air expulsion.



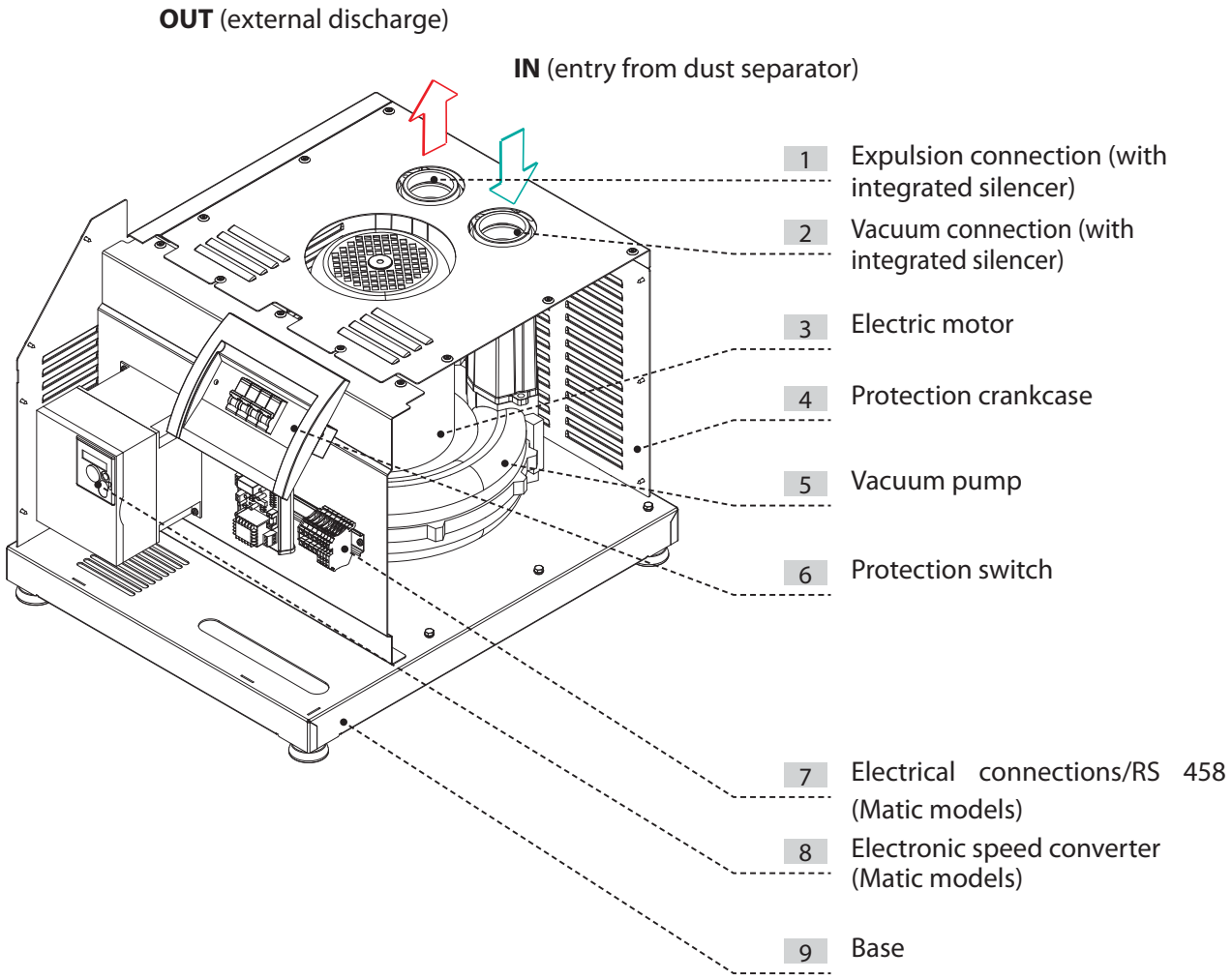
TECHNICAL FEATURES

Industrial Motors Matic are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity. Main technical characteristics can be listed as follows:

- Metal cylindrical frame painted with epoxy powder
- Professional motor with CE marking, IP 55 protection degree, F IEC 2 class, with integrated silencers
- Side-channel motor-pump assembly with light alloy case, high-performance and maintenance-free
- PTO thermal protector
- Motor noise level dB(A): from 60 to 80, according to the models and performances
- Electronic speed converter with self-ventilation and safety system to protect the unit. In abnormal operating conditions, the converter switches the vacuum unit off automatically
- General supply 400 V
- Circuit breaker protection on-board of control panel
- Multiple motor installations, with several motors connected to each other
- RS 485 connection between dust separator and blowing motor
- Automatic management of priority starting in case of multiple motors

INDUSTRIAL MOTOR Matic models (with inverter)

INDUSTRIAL MOTOR MATIC BLOWING MOTOR SECTION

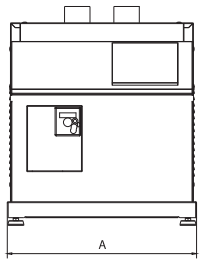


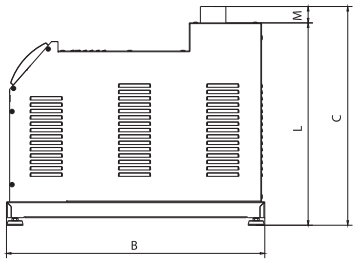
MEASUREMENTS AND TECHNICAL DATA

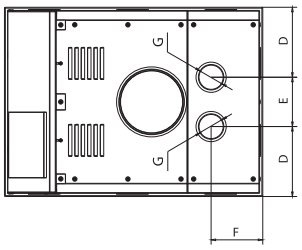
Universally appreciated for their power and reliability, the Sistem Air blowing motors can satisfy many vacuum requirements in different fields of application. The modularity of the system allows connection of several motors in order to obtain the right balance between performance and fuel consumption. The blowing motor must be combined with the special dust separator (Industrial Clean line). The composition of the installation is completely customisable, we recommend consulting the chapter "Getting to the choice of industrial equipment" on page 166 . The choice of the motors should be made by paying attention to the following parameters:

- Number of simultaneous users
- Dimension of the area to clean/pipe network development
- Specific vacuum requirements (particular materials, structural and/or operational constraints, etc.), in order to grant maximum durability and performance over time.

In case of doubt, our agents in charge will be able to recommend the best solution for your plant.







Line Industrial Motor Matic					
Model		**U1 Matic**	**U2 Matic**	**U3 Matic**	**U4 Matic**
Article		**3503.2M**	**3503.4M**	**3503.6M**	**3503.7M**
Electronic speed converter		YES	YES	YES	YES
Protection degree	IP	20	20	20	20
Supply	fasi / V ac	3/400	3/400	3/400	3/400
Frequency	Hz	50/60	50/60	50/60	50/60
Motor power	kW	2,2	4	5,5	7,5
Absorption	A	4,6	8,1	11,1	15,7
Inlets supply	V dc	12	12	12	12
Maximum air flow	m^3/h	366	471	740	914
Air discharge		YES	YES	YES	YES
Weight kg		68	89	120	125
Measurement A	mm	540	540	595	595
Measurement B	mm	660	660	812	812
Measurement C	mm	513	513	688	767
Measurement D	mm	207,5	207,5	220	206,5
Measurement E	mm	125	125	155	182
Measurement F	mm	108	108	162,5	130
Measurement G (air in/out)	mm	60	60	80	101,6
Measurement L	mm	507	507	636	715
Measurement M	mm	50	50	52	52
Noise level under	dB(A)	60 ÷ 80			

N. B: Nominal noise values. Values may vary according to environment and manner in which the unit is installed

CERTIFICATIONS

CE marking

IP protection degree

IP 20

Electrical insulation

CLASS I

Industrial Motor Matic – Blowing motors
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

ROHS DIRECTIVE 2002/95
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

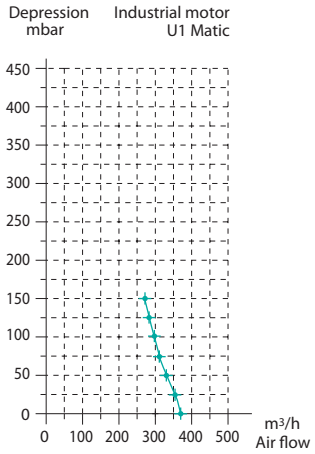
N.B.: installation must be carried out in strict compliance with current regulations.

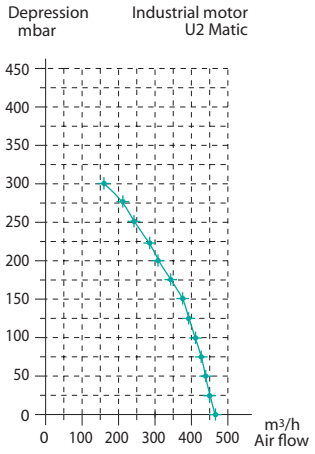
INDUSTRIAL MOTOR

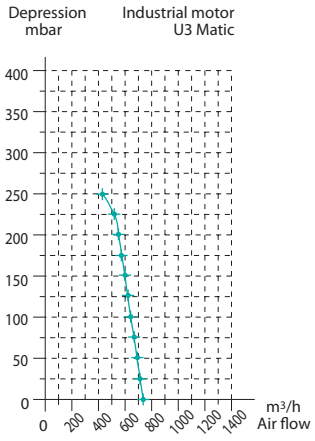
INSTALLATION HINTS

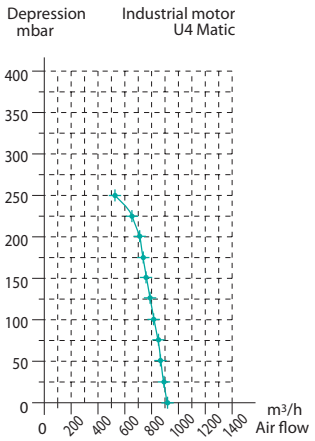
Blowing motors are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold.
They can be placed in soundproofed technical rooms or utility rooms (for example garages, basements, etc.) to protect the other rooms from noise and to keep them protected from bad weather, humidity and temperature extremes. Keep away from heat sources, such as stoves or radiators. (N.B.: IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance, a proper air exchange around the unit and passive acoustic requirements of the building.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.
In case of exposed pipes, to avoid dust deposits on the walls close to the pipes caused by static charges, we recommend making the pipe network with metal pipes, connected to the ground.

PERFORMANCE CHARTS









MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be done according to the instructions in the technical manual and on the display.
Checking that the electric motor is working correctly and possible air discharge obstructions must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.com**

MOTORS

matic

"Matic" models are equipped with an electronic speed converter for the continuous vacuum power regulation.



INDUSTRIAL MOTOR

Industrial Motor

The motors of the Industrial Motor line are specific for all those applications where the vacuum power modulation is not required, but must remain constant throughout the cycle of use.
In case of several operators at the same time, the change of power will be managed by a special switchboard.
The absence of the inverter should not be seen as a penalty, but as a requirement to make them able to operate in extreme conditions of load or particularly heavy load.
These blowing motors are also new generation, characterised by increased energy efficiency.



SELECTION TABLE Industrial Motor

MODEL	ARTICLE	Max number of users
Industrial Motor U1	**3500.1M**	1
Industrial Motor U2	**3500.3M**	2
Industrial Motor U3	**3500.5M**	3

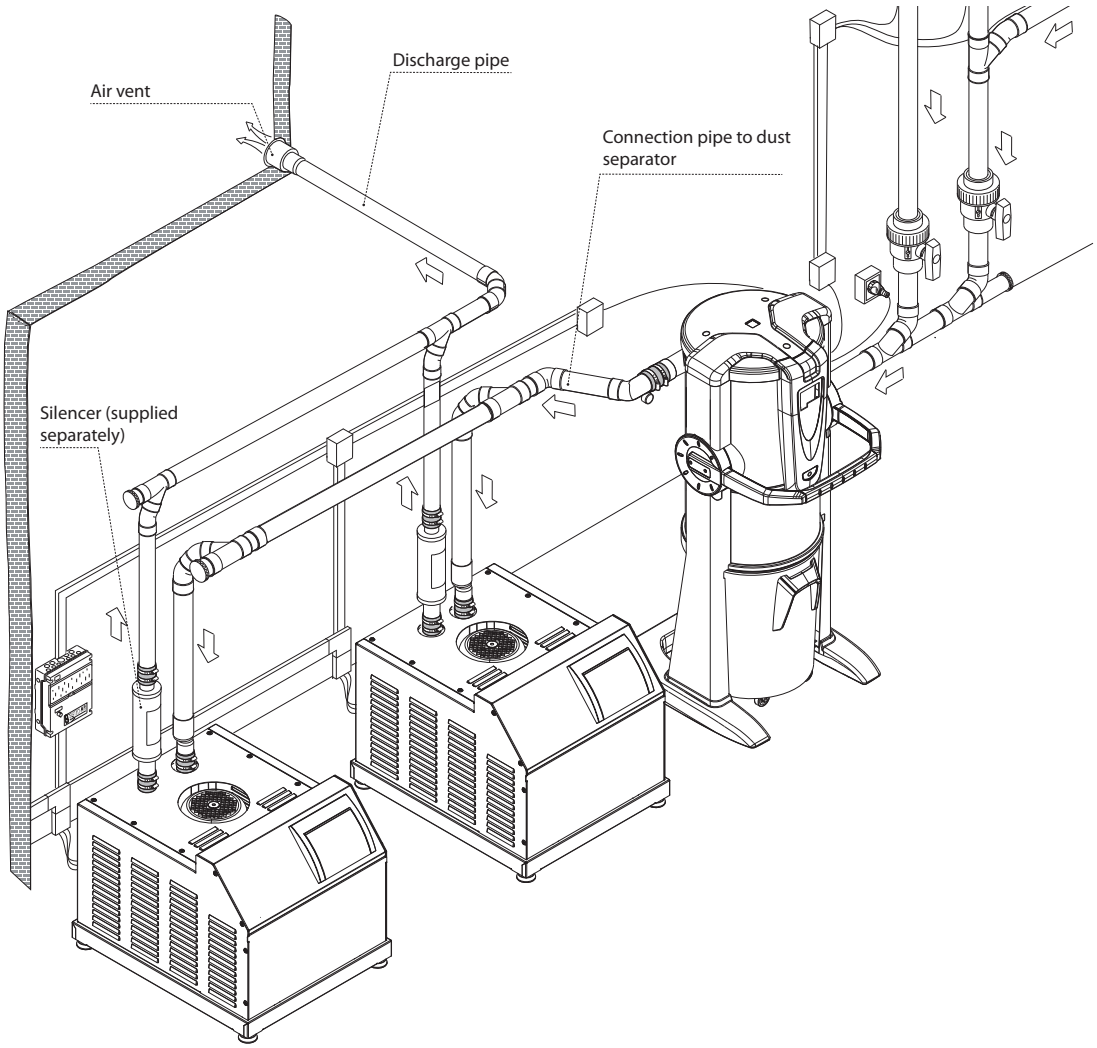
MAIN FEATURES OF THE PRODUCT

- **CE marking**
- **IP protection degree**
- **Isolation Class 1**
- **Max number of simultaneous users - multiple users**

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PIPE NETWORK CONNECTION

WARNING: if the discharge pipe exceeds 5 m, it is necessary to install a larger diameter in order to reach the optimal conditions for air expulsion.



TECHNICAL FEATURES

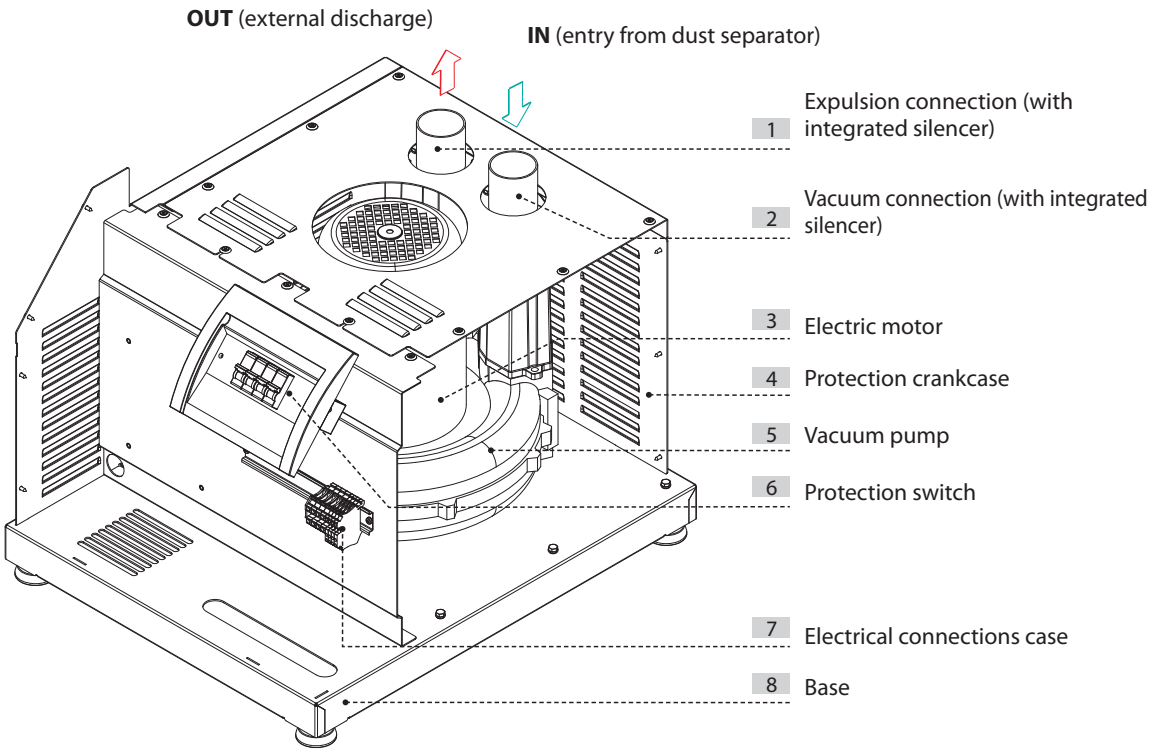
Industrial Motors are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity. Main technical characteristics can be listed as follows:

- Metal cylindrical frame painted with epoxy powder
- Professional motor with CE marking, IP 55 protection degree, F IEC 2 class, with integrated silencers
- Side-channel motor-pump group with light, high-performance and maintenance-free alloy case
- Motors noise level dB(A): from 60 to 80, according to the models and performance
- General supply 400 V
- Circuit breaker protection on-board of control panel
- Multiple installations, with electronic panel

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INDUSTRIAL MOTOR

INDUSTRIAL MOTOR BLOWING MOTOR SECTION



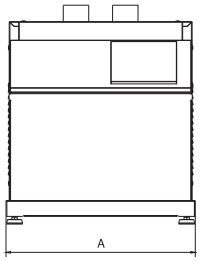
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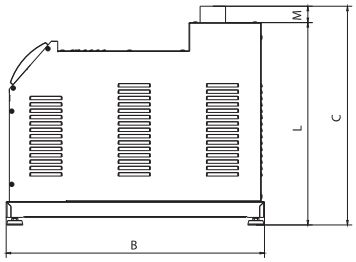
MEASUREMENTS AND TECHNICAL DATA

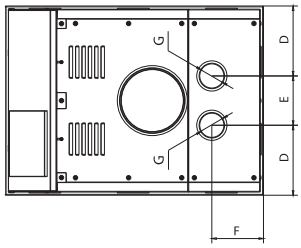
The Industrial motors are not equipped with the electronic speed converter and are used in all applications that don't require continuous vacuum power regulation. They represent the basic version of their category. They need control panels and resistive dividers connected to the individual outlets for connection.
The choice of the motors should be made by paying attention to the following parameters:

- Number of simultaneous users
- Dimension of the area to clean/pipe network extent
- Specific vacuum requirements (particular materials, structural and / or operational constraints, etc.), in order to grant maximum durability and performance over time.

In case of doubts, our agents in charge will be able to recommend the best solution for your plant.







Industrial Motor line				
Model		**U1**	**U2**	**U3**
Article		**3500.1M**	**3500.3M**	**3500.5M**
Electronic speed converter		NO	NO	NO
Protection degree	IP	20	20	20
Supply	fasi / V ac	3/400	3/400	3/400
Frequency	Hz	50/60	50/60	50/60
Motor power	kW	2,2	4	5,5
Absorption	A	4,6	8,1	11,1
Inlets supply	V dc	12	12	12
Maximum air flow	m^3/h	304	414	536
Air discharge		YES	YES	YES
Weight kg		58	79	110
Measurement A	mm	540	540	595
Measurement B	mm	660	660	812
Measurement C	mm	513	513	688
Measurement D	mm	207,5	207,5	220
Measurement E	mm	125	125	155
Measurement F	mm	108	108	162,5
Measurement G (air in/out)	mm	60	80	80
Measurement L	mm	507	507	636
Measurement M	mm	50	50	52
Noise level under	dB(A)	60 ÷ 80		

N. B: Nominal noise values. Values may vary according to environment and manner in which the unit is installed.

CERTIFICATIONS

CE marking

IP protection degree

IP 20

Electrical insulation

CLASS I

Industrial Motor line

Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

N.B. installation must be carried out in strict compliance with current regulations.

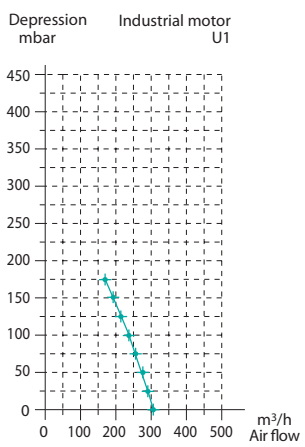
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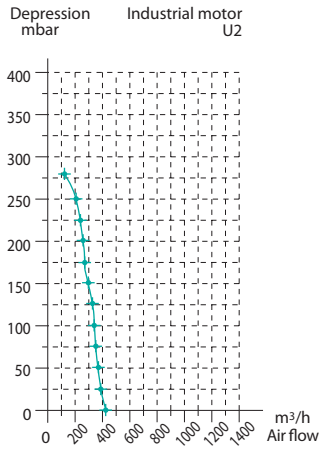
INDUSTRIAL MOTOR

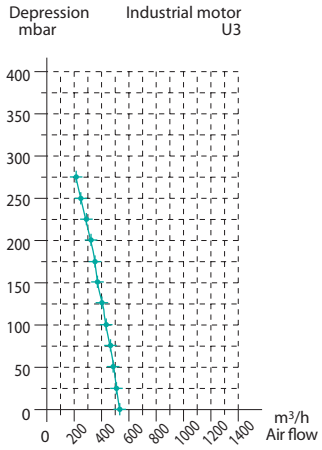
INSTALLATION HINTS

Blowing motors are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold.
They can be placed in soundproofed technical rooms or utility rooms (for example garages, basements, etc.) to protect the other rooms from noise and to keep them protected from bad weather, humidity and temperature extremes. Keep away from heat sources, such as stoves or radiators. (N.B. IP protection degree 20).
In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance, a proper air exchange around the unit and passive acoustic requirements of the building.
If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.
In case of exposed pipes, to avoid the deposit of dust on the walls close to the pipes caused by static charges, we recommend making the pipe network with metal pipes, connected to the ground.

PERFORMANCE CHARTS







MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be made according to the instructions in the technical manual and on the display.
Checking that the electric motor is working correctly and possible air discharge obstructions must be carried out by qualified and/or authorised staff.
For more details, technical information and assistance please visit our web site **www.sistemair.com**

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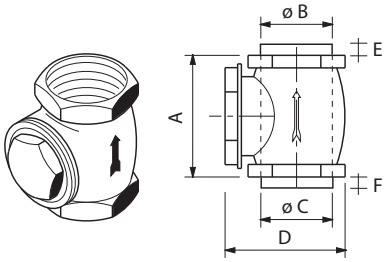


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INSTALLATION ELEMENTS

CHECK VALVES FOR MOTOR MATCHING

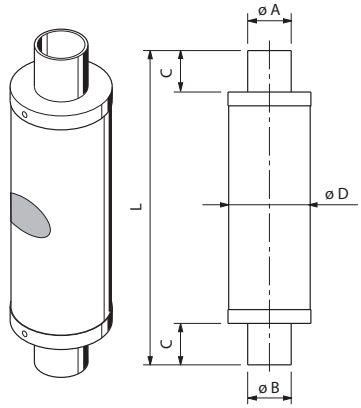
The check valve must be installed on each single motor, if in the same system more vacuum groups are matched. It must be installed directly on the air connection of the motor, to ensure the maintenance of the vacuum air when one motor is in use and the other is off.



ARTICLE	MEASUREMENT	PIPE DIAMETER	A mm	B mm	C mm	D mm	E mm	F mm	PACKAGING PC	EACH MOTOR ARTICLE
0110001	2"	63	97	63	63	92	52	52	1	3500.1M 3503.2M 3503.4M
0110003	3"	80	136	80	80	132	70	70	1	3500.3M 3500.5M 3503.6M
0110002	4"	100	165	4" F	4" M	170	-	55	1	3503.7M

SILENCER

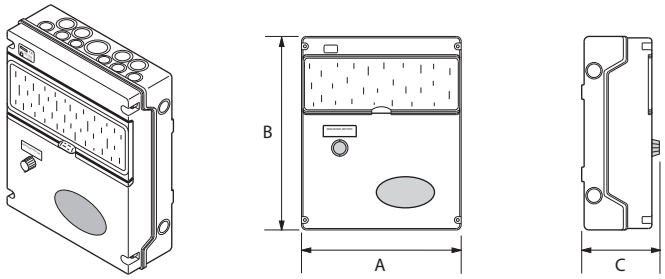
Silencer must be installed directly on the motor in order to reduce the noise, for additional silence it is possible to add more silencers.



ARTICLE	MEASUREMENT	PIPE DIAMETER	A mm	B mm	L mm	C mm	D mm	PACKAGING PC	EACH MOTOR ARTICLE
11001	2"	63	60	60	455	60	120	1	3500.1M 3503.2M 3503.4M
11002	3"	80	80	80	455	60	140	1	3500.3M 3500.5M 3503.6M
11003	4"	100	100	4" M	595	80	160	1	3503.7M

MOTOR SELECTION PANEL (electric motors only)

The electric panel for motors selection call is used when many motors have been installed on a single system, without electronic speed converter.
The internal electronic system allows, through a resistive divider (art. 3301.4) installed on the micro switch line, to manage the switching on and off of one or more motors of the system, according to the number of vacuum inlets used, and to manage the working hours of each single motor.
In fact, it is possible to reverse the priority of the motors by a cyclical switch, in order to balance the motor use.



ARTICLE	MAX MOTORS	SUPPLY Volt ac	PACKAGING Pc	Size A	Size B	Size C	FOR MOTOR Article
3301.6	2	220/240	1	330	400	140	**3500.1M** **3500.3M** **3500.5M**
3301.0	3	220/240	1	330	400	140	

CONTROL PANEL FOR MOTOR SPEED MODULATION

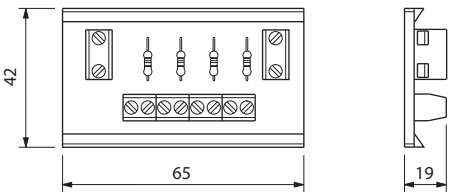
The control panel for motor speed modulation is used in case of electronic motor installation.
The internal electronic system allows, through a resistive divider (art. 3301.4) installed on the micro switch line, to manage the speed of the motor, according to the number of vacuum inlets used, obtaining the best performances with lowest consumption.
The system provides up to four switching levels (4 speeds) and it is suitable for all electronic units, even with different power

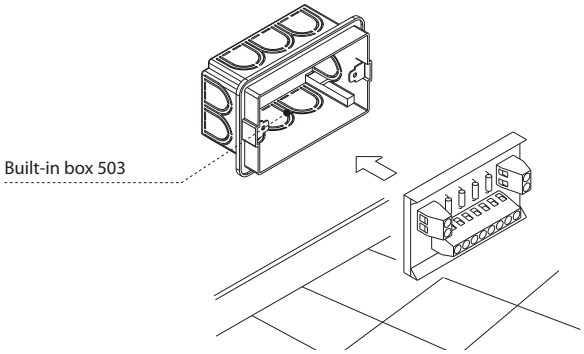
ARTICLE	MOTORS MAX	SUPPLY Volt ac	PACKAGING Pcs	Size A	Size B	Size C	FOR MOTOR Article:
3301.5	1 x max 4 speeds	220/240	1	330	400	140	**3503.2M** **3503.4M** **3503.6M** **3503.7M**

RESISTIVE DIVIDER (for electric motors only)

The resistive divider is essential for the vacuum power change in case of many electric motors.
Each resistive divider can hold up to four vacuum inlets that can be connected one to each other without limits.

IMPORTANT
- The selection between electric motors or electronic motors must be set up during installation on the dust separator computer.

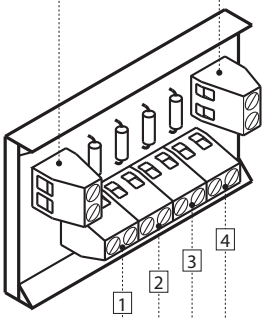




ARTICLE	PRODUCT DESCRIPTION	Packaging Pc
3301.4	Resistive divider with 4	1

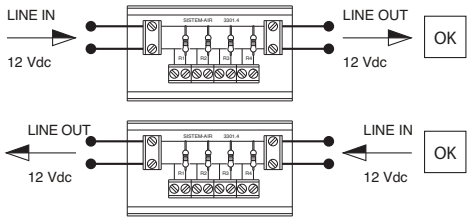
INSTALLATION ELEMENTS

INSTALLATION ELEMENTS CONNECTION EXAMPLES

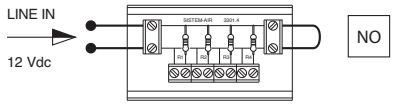


Terminals for Micro Line cable connection

(NB: the connection to terminals in and out of the Micro line can be performed indifferently on both sides, see examples below).



N.B. The last line divider should not be closed by electric bridge.



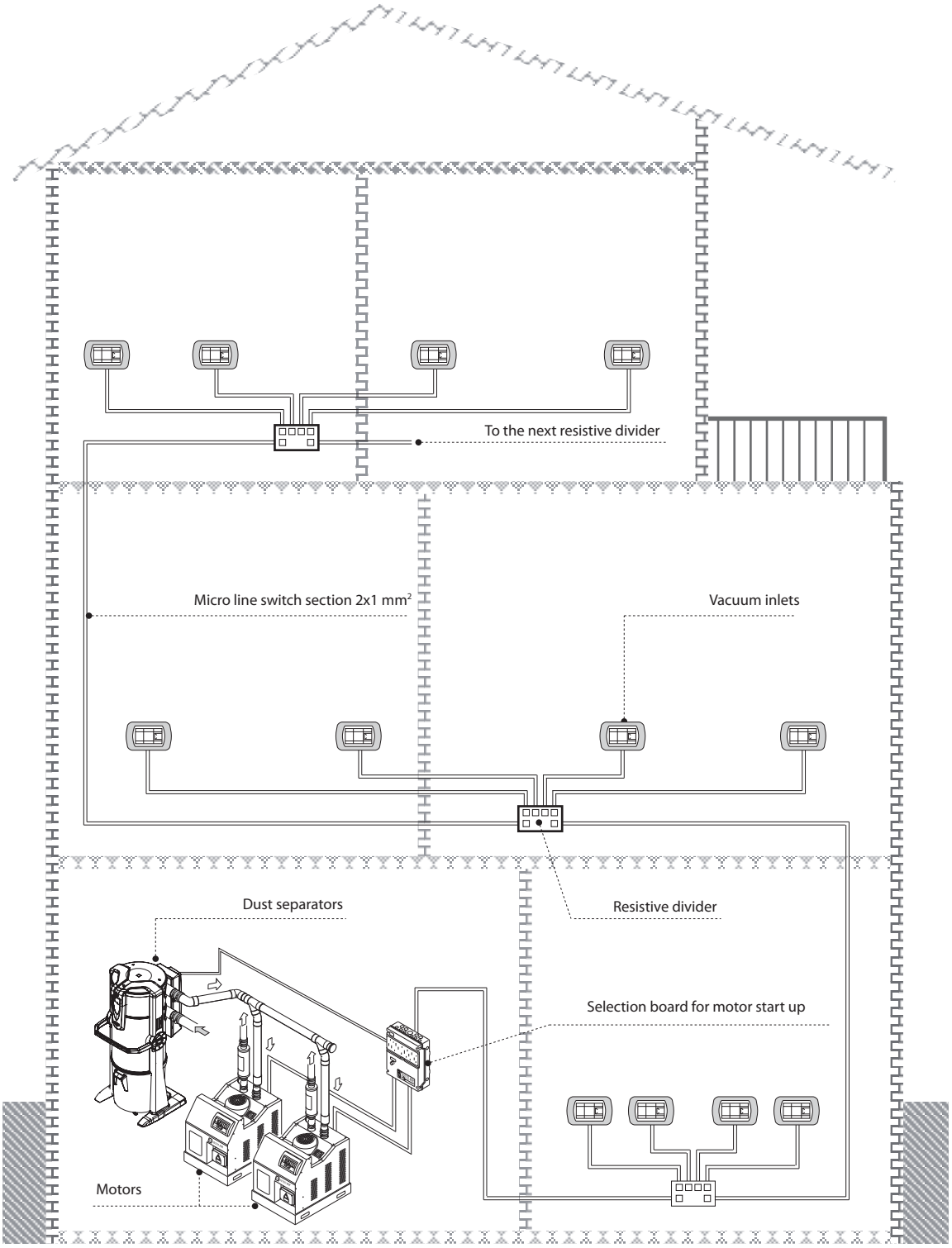
Terminals vacuum inlets connection
(NB: the terminals do not have to be all occupied).

ACCESSORY TABLE

MODEL	ARTICLE	Selection table for max 2 users Q.ty= 1 pc. Art.	Selection table for max 3 users Q.ty= 1 pc. Art.	Selection table for max 8 users Q.ty= 1 pc. Art.		Control panel for motor speed modulation Q.ty= 1 pc. Art.
Industrial Motor U1	**3500.1M**	3301.6	3301.0	3301.10		-
Industrial Motor U1 Matic	**3503.2M**	-	-	-		3301.5
Industrial Motor U2	**3500.3M**	3301.6	3301.0	3301.10		-
Industrial Motor U2 Matic	**3503.4M**	-	-	-		3301.5
Industrial Motor U3	**3500.5M**	3301.6	3301.0	3301.10		-
Industrial Motor U3 Matic	**3503.6M**	-	-	-		3301.5
Industrial Motor U4 Matic	**3503.7M**	-	-	-		3301.5

INSTALLATION EXAMPLES OF RESISTIVE DIVIDERS

The resistive divider is essential when you want several users on the vacuum system simultaneously with the motors **without electronic speed converter.**
Each divider can hold up to four inlet valves, connected to each other with no maximum limit.
The following shows schematically an example of installation of micro line with resistive dividers.



AUTOCLEANER

Autocleaner universal system

Autocleaner is the innovative system of automatic filter cleaning, independent from the body of the vacuum unit, so as to make it installable later or, more simply, more manageable in case of maintenance operation.



SELECTION TABLE

ARTICLE	DESCRIPTION	PACKAGING Pc.
3600.0U	Autocleaner Universal system	1

MAIN FEATURES OF THE PRODUCT

CE mark

IP protection degree

Isolation Class 1

DISTINCTIVE FEATURES OF THE PRODUCT

1 - Universal system

Designed to simplify and standardise its installation as much as possible, Autocleaner can be applied to the models listed below, both during system installation and later.



☑ Tecnostar Dual Power



☑ Revo Block Professional (full range)



☑ Industrial Clean (both models)

2 - Maintenance free

Thanks to its components, Autocleaner doesn't need maintenance.

3 - Immediate use

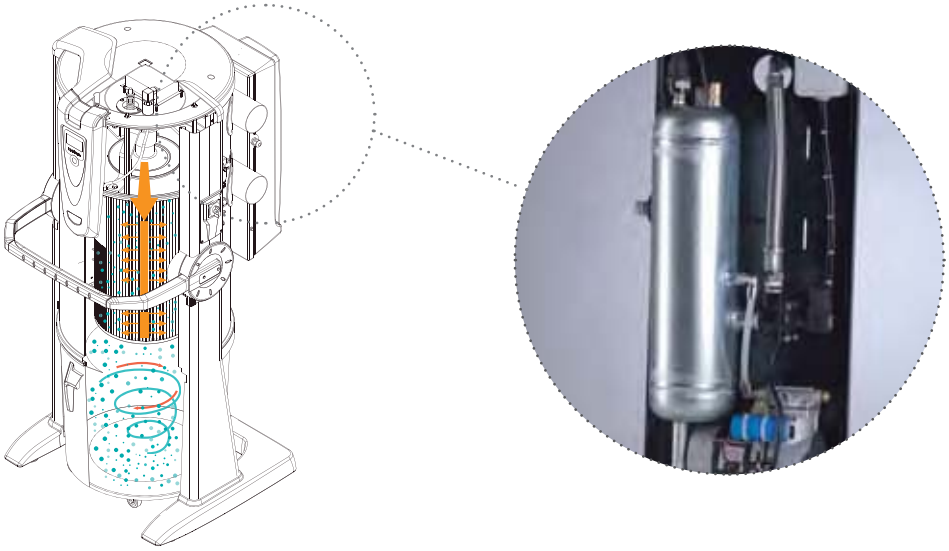
The connection to the vacuum unit is made just connecting the compressed air pipe to the vacuum unit and inserting the multipolar electrical connector into the input provided on the vacuum unit. At this point the self-cleaning system can be activated by the computer of the unit.

4 - Software set-up on the vacuum unit, that manages:

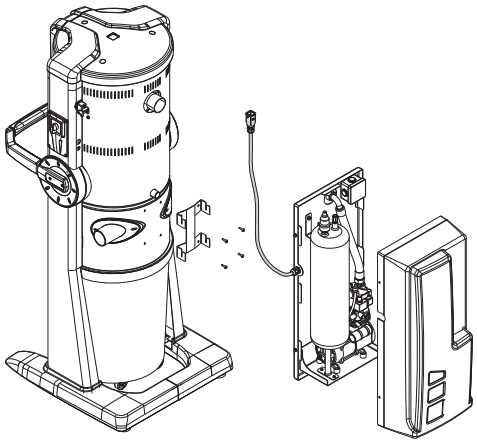
- Selection of Autocleaner series
- Change Autocleaner working times
- Eliminate the Autocleaner cycles in the night hours

5 - Great efficiency

The use of a jet of compressed air is the most effective method to rid the filter of the vacuum cleaner by the dust: Autocleaner combines this efficiency with ease of installation, packaged in an extremely professional product.



INSTALLATION

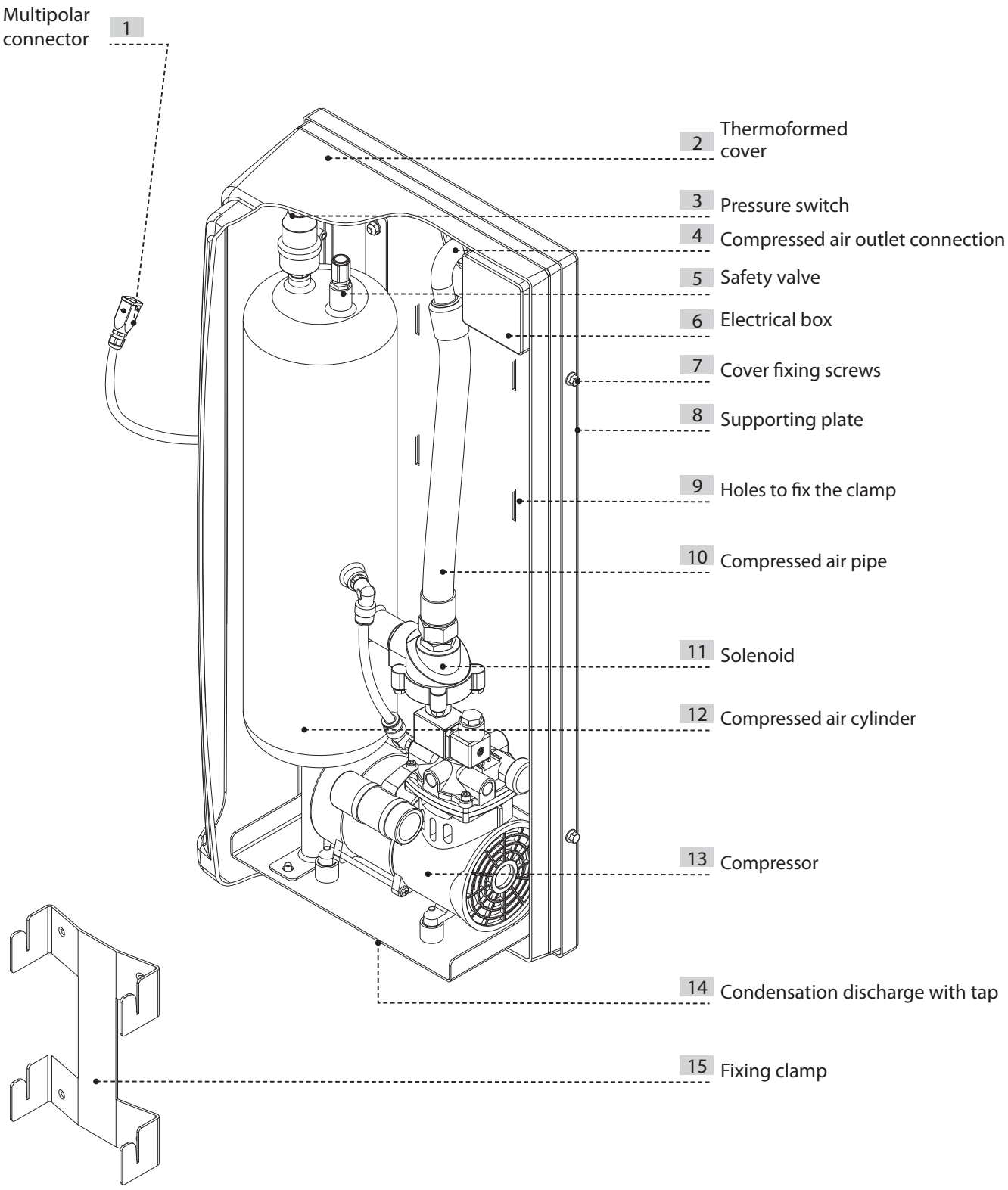




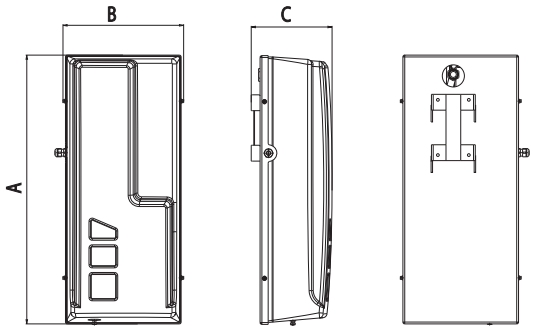
1 - Remove the four screws on the back part of the cylinder and use them to fix the support clamp supplied with Autocleaner.
2 - Hook the Autocleaner device to the support and make electric and pneumatic connection.

AUTOCLEANER

AUTOCLEANER SECTION



MEASUREMENT AND TECHNICAL DATA



Autocleaner		
Model **Article**		Autocleaner **3600.0U**
Air exit	Ø "	3/4
Protection degree	IP	40
Alimentazione	V ac	220/240
Frequency	Hz	50/60
Power	W	250
Absorption	A	1,3
Air pressure	bar	3,5
Cylinder capacity	l	6
Measurements A	mm	730
Measurements B	mm	328
Measurements C	mm	220

CERTIFICATION

IP protection degree

IP 40

Electrical insulation

CLASS 1

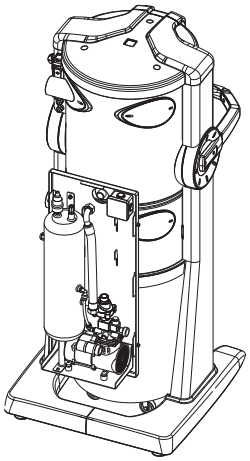
Device in compliance with the following directives:

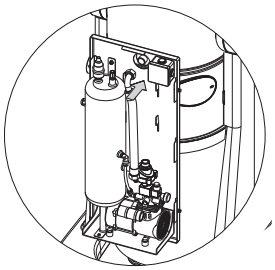
Autocleaner – automatic cleaning filter system
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE
- EN 60335-2-34 (2003)

N.B. installation must be carried out in strict compliance with current regulations.

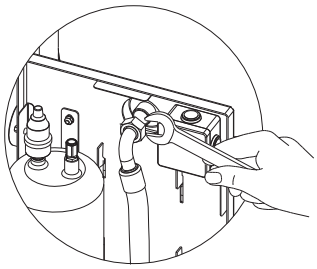
AUTOCLEANER

PNEUMATIC CONNECTION



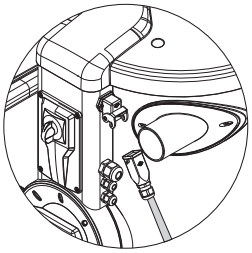


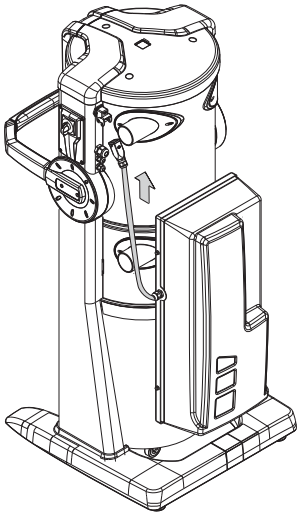
1 - After connecting the Autocleaner on the fixing bracket, position the compressed air hose fitting at the entrance at the rear on the back part of the vacuum unit.



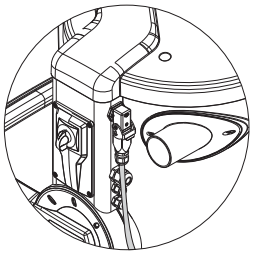
2 - Screw the connection (female) on the entrance (male) using the supplied gasket, keeping it tight.

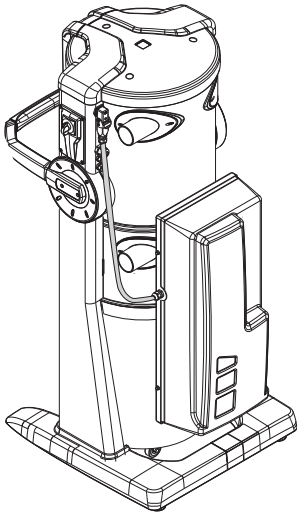
ELECTRIC CONNECTION





1 - Remove the connector cap on the vacuum unit.





2 - Connect the plug on the Autocleaner and close the safety catch.

Autocleaner
universal system






Autocleaner
universal system

TURBIX

The cyclonic separators of the Turbix line are used for vacuuming large quantities of dust, especially fine dusts, in order to intercept and drop them down, avoiding excess deposits on the walls of the filter, that would cause its obstruction, with the consequent reduction in vacuum power and the need for frequent maintenance.
They are available in three different sizes, depending on the diameter of the line to which they are connected and of the vacuum unit.



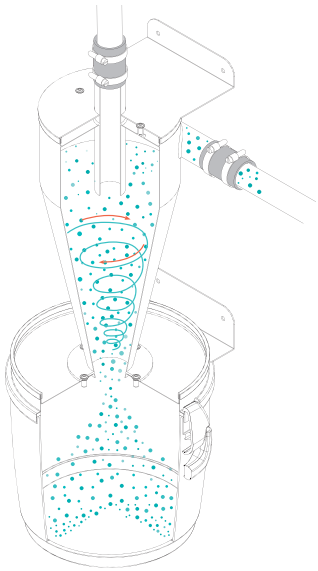
SELECTION TABLE TURBIX MODEL

MODEL	ARTICLE	Connections IN/ OUT Ø mm	Dust container capacity l
Turbix Small	**3400.10**	50	21
Turbix Medium	**3400.11**	60	40
Turbix Big	**3400.12**	80	70

MAIN FEATURES OF THE PRODUCT

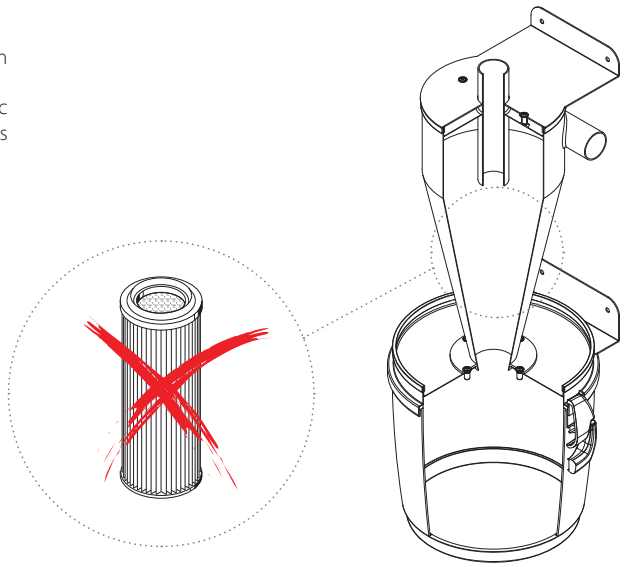
1 - Great efficiency

The ability to separate dust is exceptional: in some cases its **effectiveness is more than 98% of the total quantity of vacuumed dust**. The secret is due to the particular shape of the cone, which creates a cyclonic movement of the dust with increasing speed. At the end of the cone, when the air flows into the dust bin, it slows down and allows the powder to fall to the bottom of the bin, while the clean air will continue its path towards the top of the cone, where, through the upper inlet, it will reach the vacuum unit, free of dust particles, without dirtying the filter or filling the dust bin.



2 - Absence of filter

Turbix special separators don't contain a filter, for this reason maintenance means the dust bin emptying only.
Inside the cone of the separators the air filtration is made by cyclonic separation, without any other filtration system. It is a warranty of effectiveness and above all a considerable simplification in maintenance.



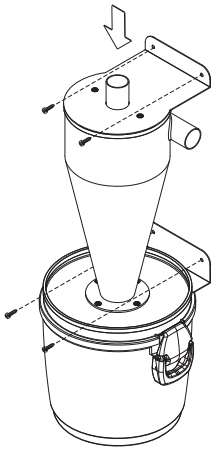
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INSTALLATION TIPS

The cyclonic separators Turbix Small and Medium are connected at the end of the line that comes from the vacuum inlets before the vacuum unit (or main dust separator). The connection can be made at the end of a group of inlets, in order to make cyclonic separation only for a certain group of inlets, or it can take place just before the vacuum unit (or main dust separator), so as to collect all the vacuumed material.

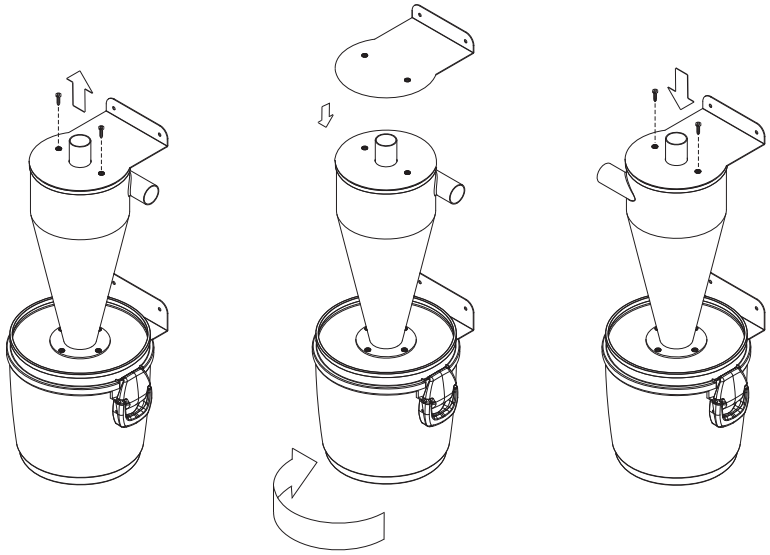
FIXING THE SEPARATOR

Turbix Small and Medium cyclonic separators must be hung on the wall using the supplied bracket, which must be fixed permanently to the wall by the use of appropriate plugs, considering that the total supported weight can be considerably higher than the weight of the separator itself.
N.B. The separator must be set so that the bucket sits at a height of more than 10 cm from the ground.



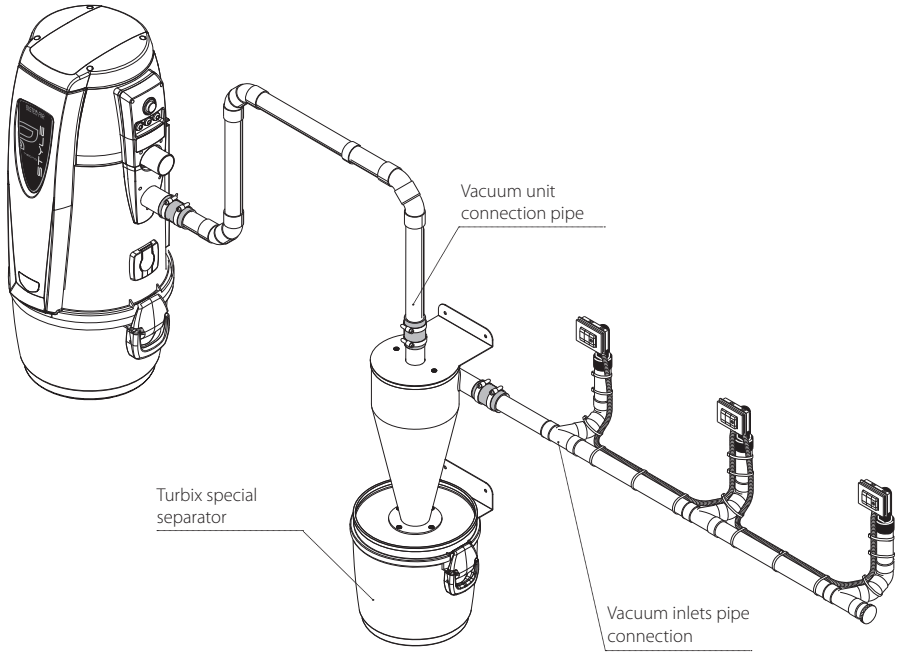
REVERSIBLE CONNECTIONS

All Turbix separators can **be connected to the pipe network from the right or from the left**.
Transformation is easy and quick.



PIPE NETWORK CONNECTION

Turbix separators are supplied with connecting anti-vibration sleeves and clamps for the pipe network connection.
The separator must be connected to the pipe network before the vacuum unit, so that it can intercept the dust that arrives from the vacuum inlets, before it reaches the vacuum unit.

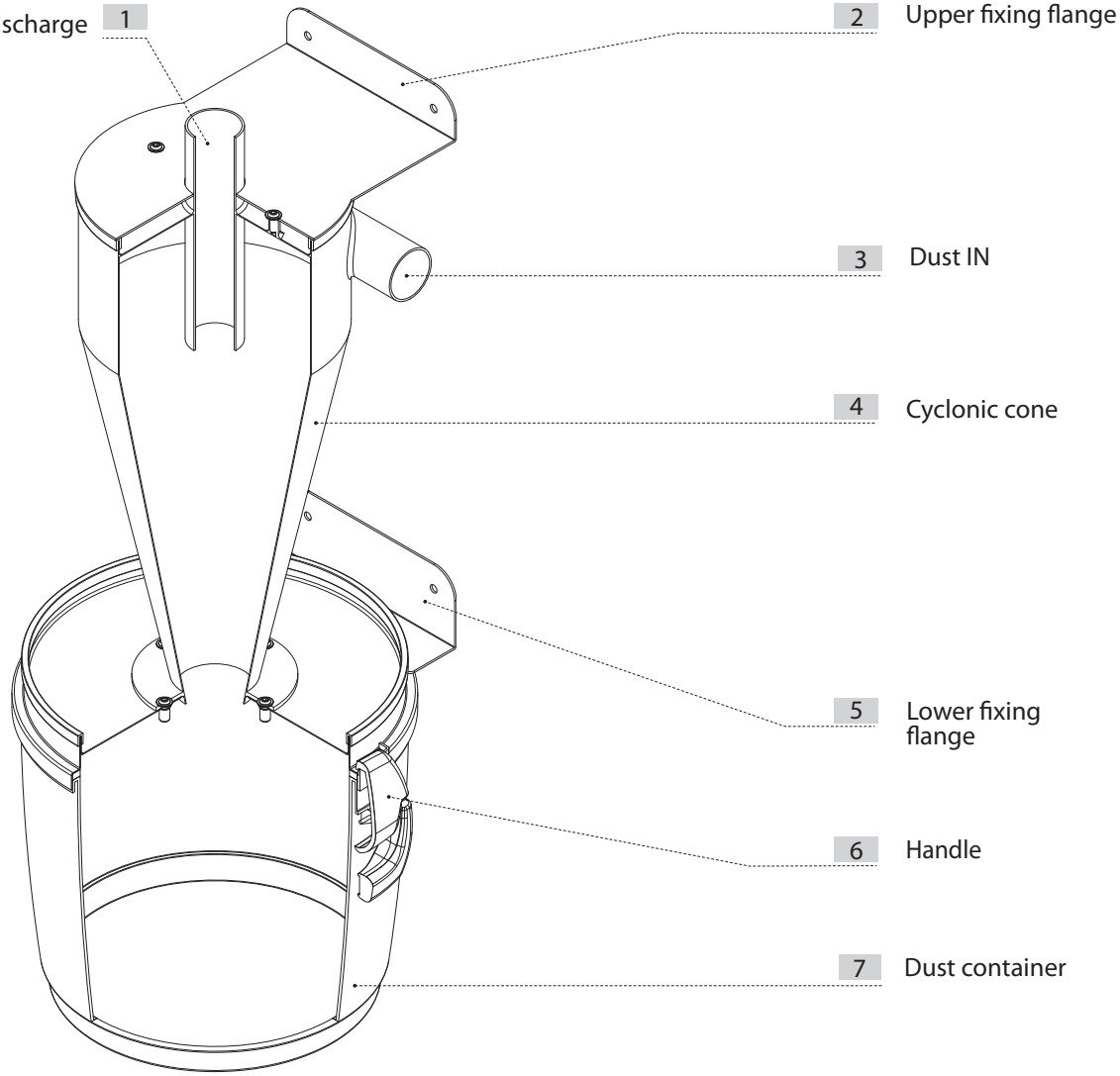


PROFESSIONAL
INDUSTRIAL

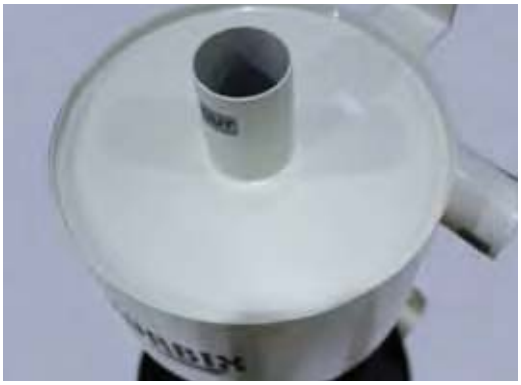
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TURBIX

Turbix Small/Medium SECTION







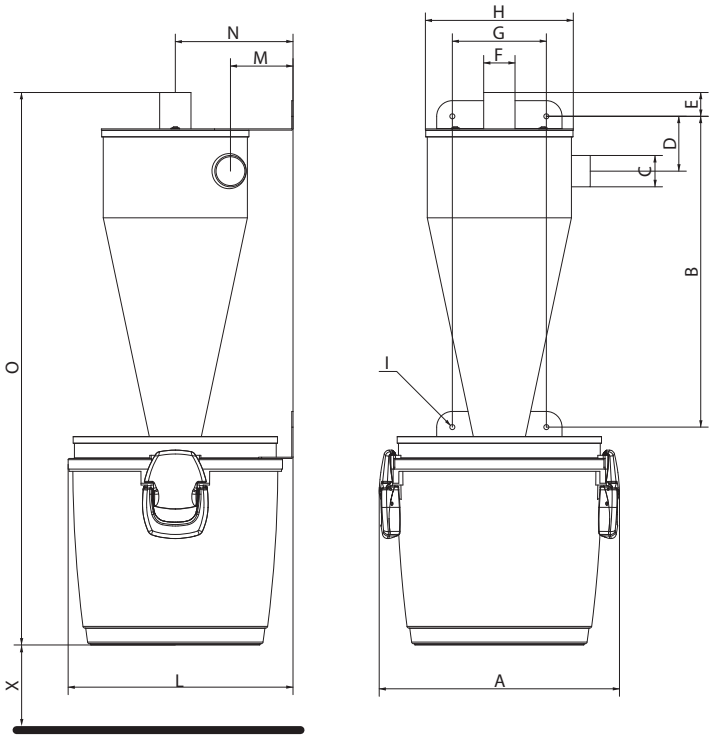


Turbix separators, with their effectiveness and simplicity, are set to revolutionise the use of central vacuum systems.

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MEASUREMENT AND TECHNICAL DATA

The model should be chosen according to the number of simultaneous users connected to Turbix, the diameter of connecting pipes, the number of simultaneous users connected to the vacuum unit and the dust bin capacity of Turbix separator.



Model Article		Turbix Turbix Small 3400.10	Turbix Turbix Medium 3400.11
Dust IN/OUT	Ø mm	50	60
Dust bin capacity	l	21	40
Weight	kg	15	25
Measurement A	mm	385	452
Measurement B	mm	496	590
Measurement C	Ø mm	50	63
Measurement D	mm	875	103
Measurement E	mm	38	52
Measurement F	Ø mm	50	63
Measurement G	Ø mm	150	190
Measurement H	Ø mm	236	286
Measurement I	R mm	4	4
Measurement L	mm	360	436
Measurement M	mm	100	122
Measurement N	mm	188	228
Measurement O	mm	885	1105
Measurement X	mm	100	100

TECHNICAL FEATURES

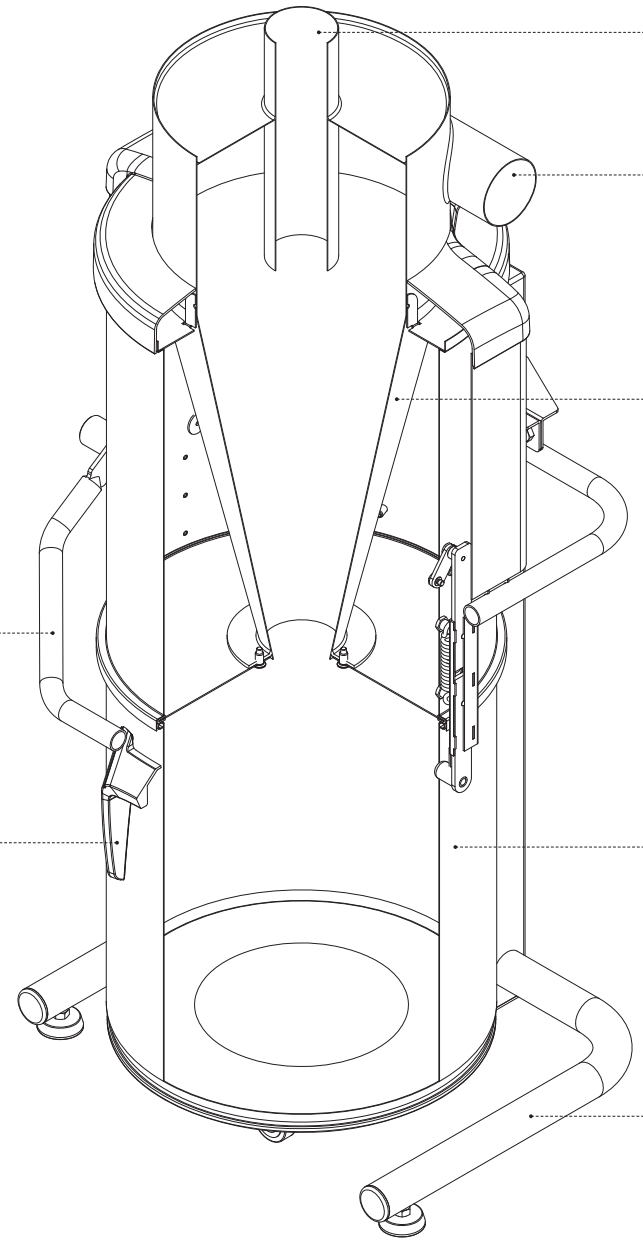
Turbix Small and Medium dust separators are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.
Main technical characteristics can be listed as follows:

- Metal cylindrical frame painted with epoxy powder
- Polypropylene dustbin (model Turbix Small capacity 21 litres)
- Metal dust bin painted with epoxy powder (model Turbix Medium capacity 40 litres)
- Possible connection from the right or from the left
- Sleeves for connection to the pipe network supplied

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TURBIX

Turbix Big SECTION





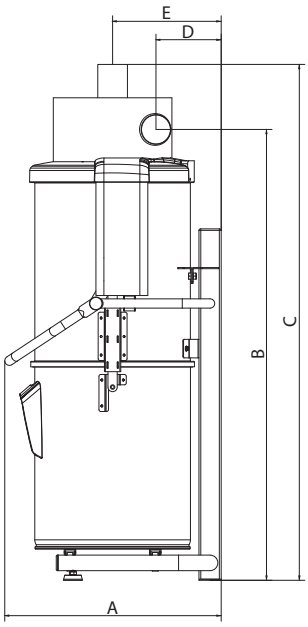


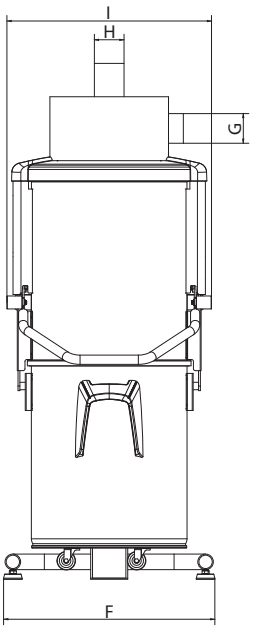


Turbix Big separator has a large capacity dust bin.

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MEASUREMENTS AND TECHNICAL DATA





		Turbix
Model		Big Turbix
Article		**3400.12**
Dust IN/OUT	Ø mm	80
Dust bin capacity	l	70
Weight	kg	53
Measurement A	mm	590
Measurement B	mm	1217
Measurement C	mm	1395
Measurement D	mm	176
Measurement E	mm	293
Measurement F	mm	570
Measurement G	Ø mm	80
Measurement H	Ø mm	80
Measurement I	mm	552

TECHNICAL FEATURES

Turbix Big dust separators are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.

Main technical characteristics can be listed as follows:
- Metal cylindrical frame painted with epoxy powder
- Metal dust bin painted with epoxy powder (model Turbix Big capacity 70 litres)
- Possible connection from the right or from the left
- Sleeves for connection to the pipe network supplied

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TURBIX

INSTALLATION HINTS

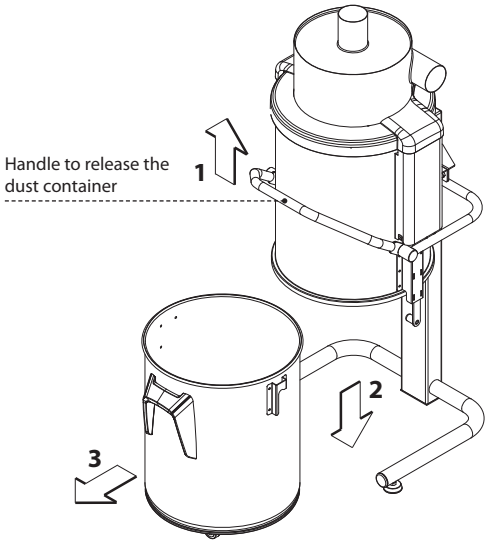
Turbix Big cyclonic separators are connected at the end of the line that comes from the vacuum inlets before the vacuum unit (or main dust separator). The connection can be made at the end of a group of inlets, in order to make cyclonic separation only for a certain group of inlets, or it can take place just before the vacuum unit (or main dust separator), to collect all the vacuumed material.

FIXING THE SEPARATOR

Turbix Big cyclonic separator does not require special anchoring. However, it is important to check that the area for installation has the following minimum requirements, in order to be correctly and securely positioned.
- a perfectly flat, horizontal and solid surface, without cracks.
- a vibration free surface. Furthermore it is essential that there are no disconnections that could make the central unit instable

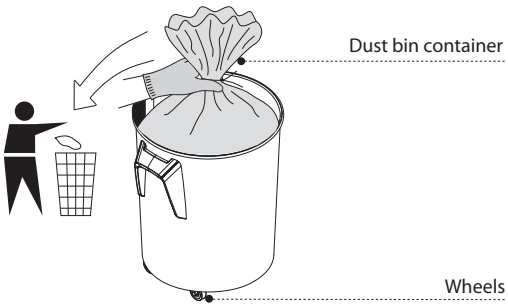
EASY BIN EMPTYING

Turbix Big cyclonic separator has a dust container with an easy opening system.



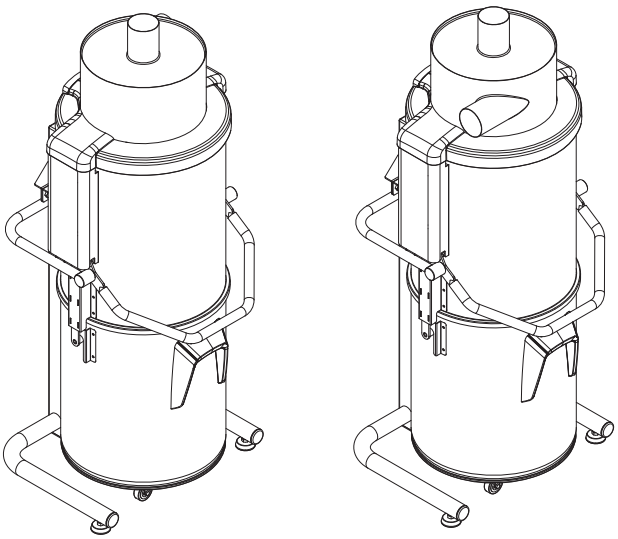
DUST CONTAINER WITH WHEELS

Thanks to its wheels, the dust container can be moved easily.



REVERSIBLE CONNECTIONS

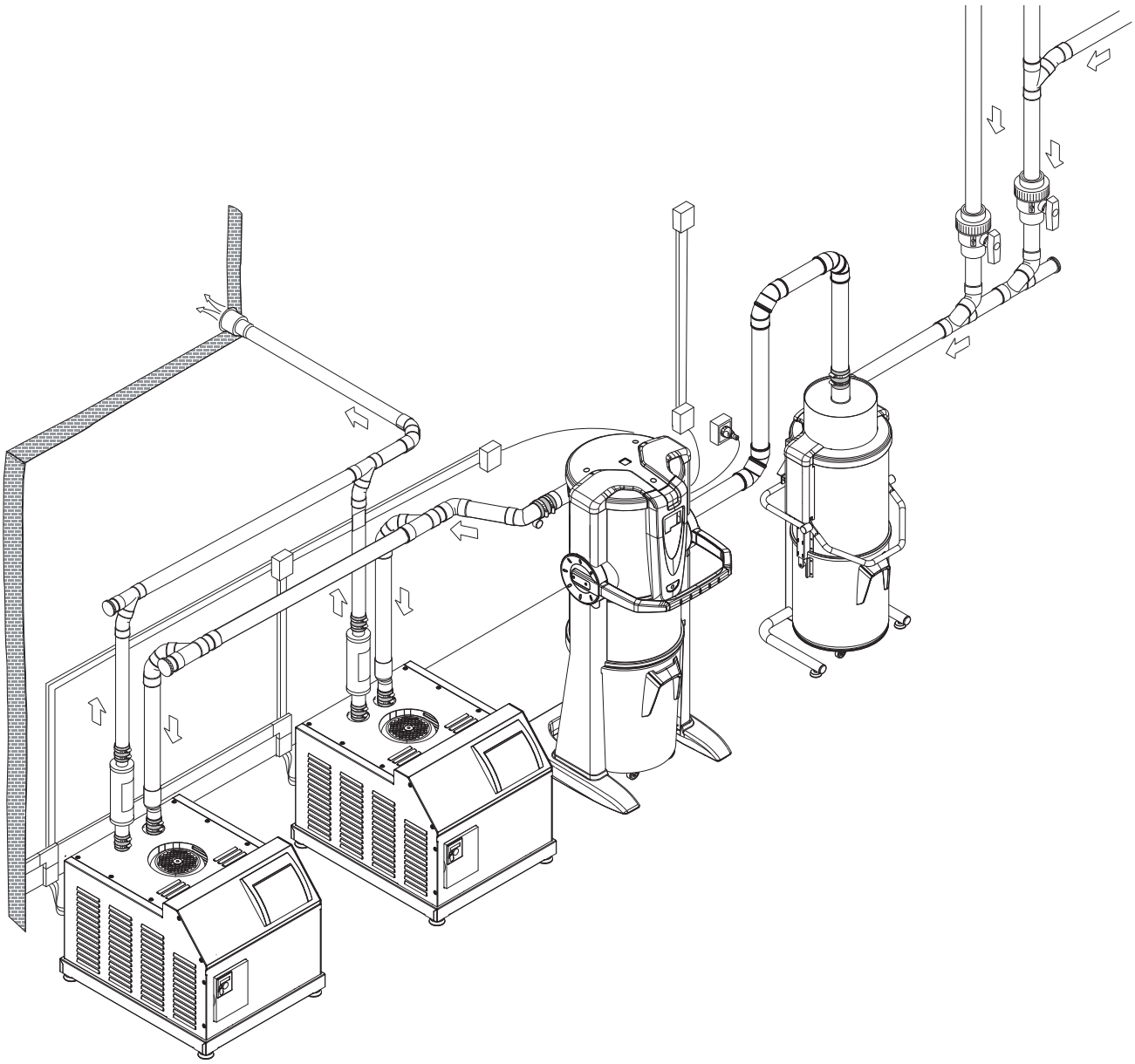
All Turbix separators can **be connected to the pipe network from the right or from the left**.
Transformation is easy and quick.



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

PIPE NETWORK CONNECTION

Turbix separators are supplied with connecting anti-vibration sleeves and clamps for the pipe network connection.
The separator must be connected to the pipe network before the vacuum unit, so that it can intercept the dust arriving from the vacuum inlets, before it reaches the vacuum unit.



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TURBIX

The TURBIX cyclonic separators solve many problems related to filter clogging: from aspiration of fine dust in a factory, to that of the ashes of a home fireplace.



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

BASIC SEPARATORS

Basic
big/small

Basic line dust separators have been designed as a basic filtration device, without any electronic control on motors or depression of the system.
It is a product dedicated to special applications, with a vacuum unit with separate inverter power adjustment (as in the case of motors without) and the main filtering is delegated to another separator (e.g. a cyclonic separator of the TURBIX line).

NB: Basic line separators are not equipped with Autocleaner self-cleaning system.



SELECTION TABLE Separatori Basic

Motor air flow	MODEL	ARTICLE	Recommended number of users with Ø 32 pipe	Recommended number of users with Ø 40 pipe	Dust container capacity (l)	Filtering surface (cm^2)
Up to 700 m^3/h	Basic Small	**3400.20**	4	3	62	24000
Up to 1200 m^3/h	Basic Big	**3400.21**	8	4	106	43400

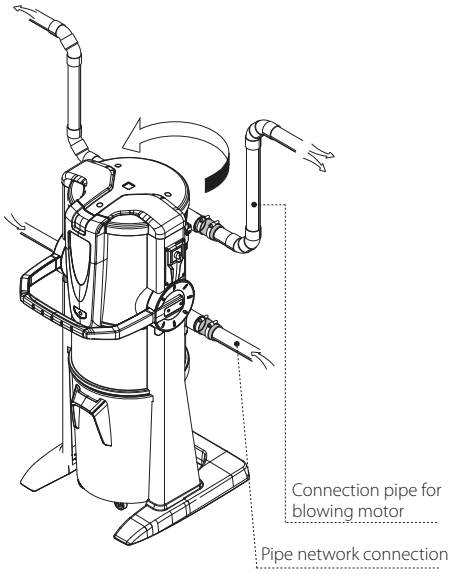
MAIN FEATURES OF THE PRODUCT

CE marking

Modular system with no limits

PIPE CONNECTION

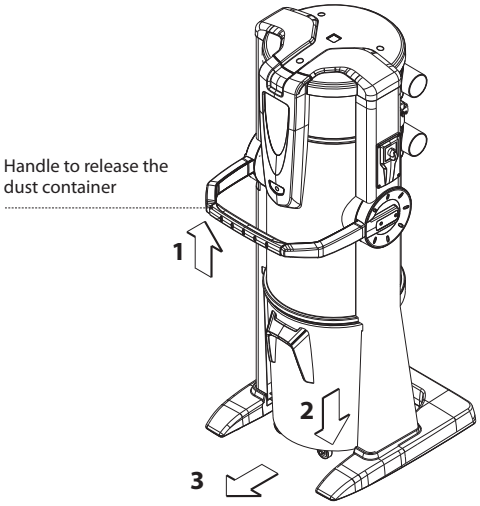
Connections to pipe network and to air expulsion can be made on the left or on the right side of the vacuum unit.



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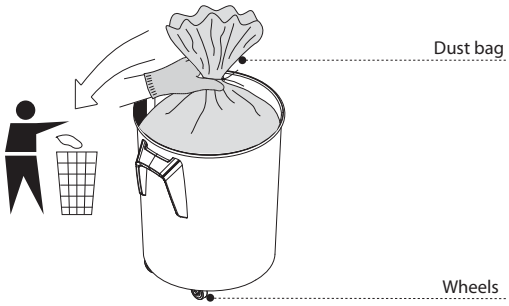
EASY BIN EMPTYING

Basic dust separators have a dust container with an easy opening system and a soft touch handle coated in shockproof material, easy to open.



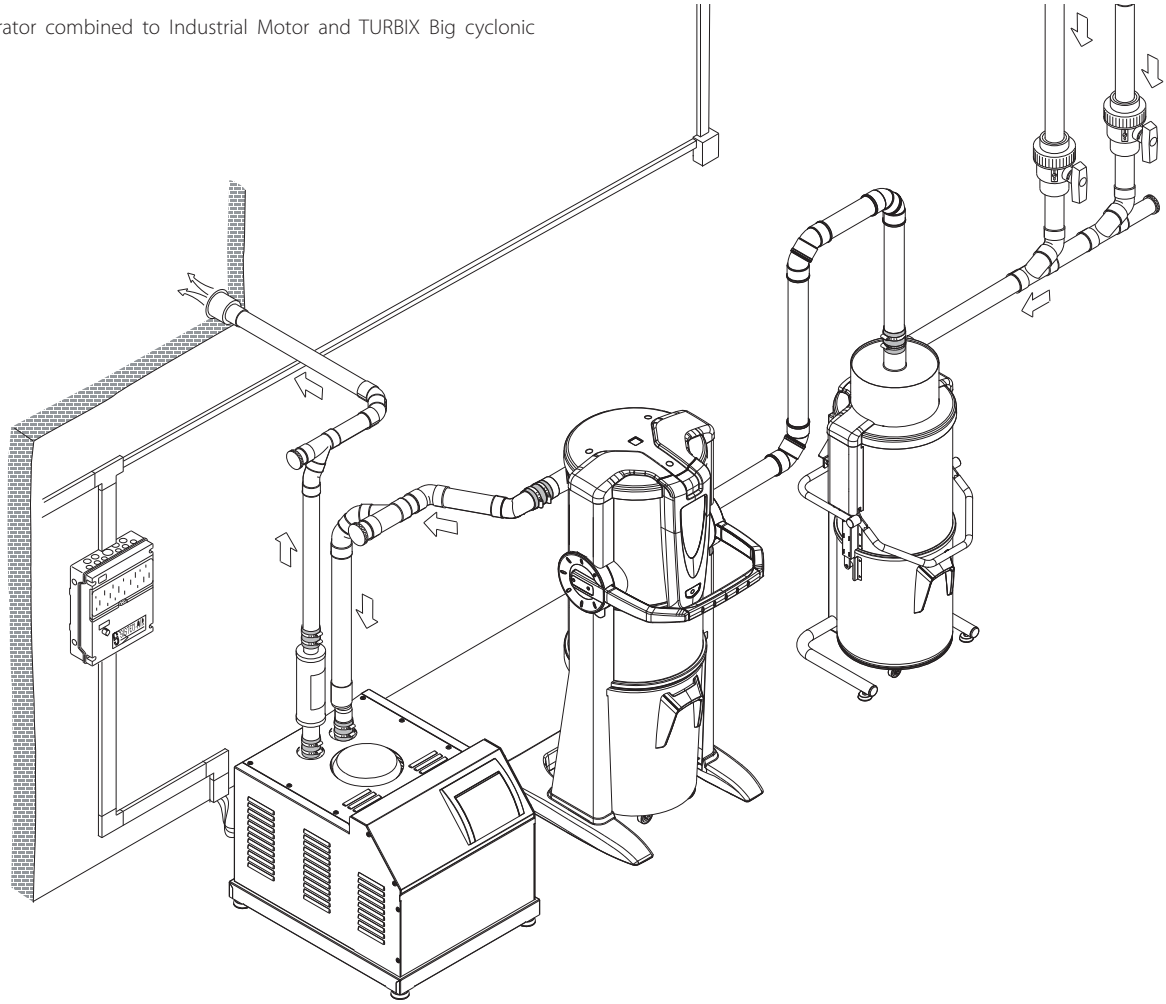
DUST CONTAINER WITH WHEELS

Thanks to its wheels, the dust container can be moved easily



CONNECTION EXAMPLE

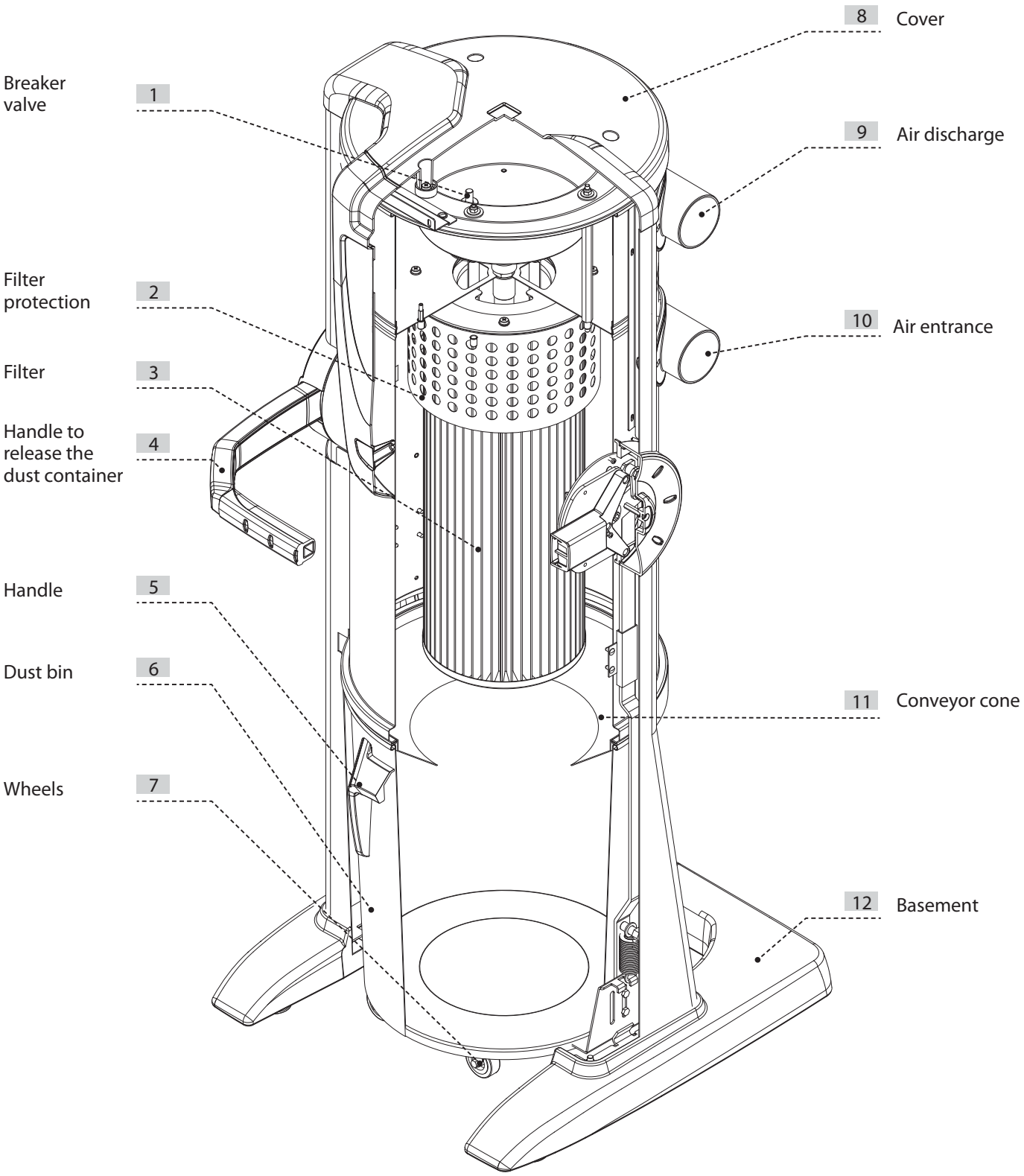
Basic separator combined to Industrial Motor and TURBIX Big cyclonic separator.



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BASIC SEPARATORS

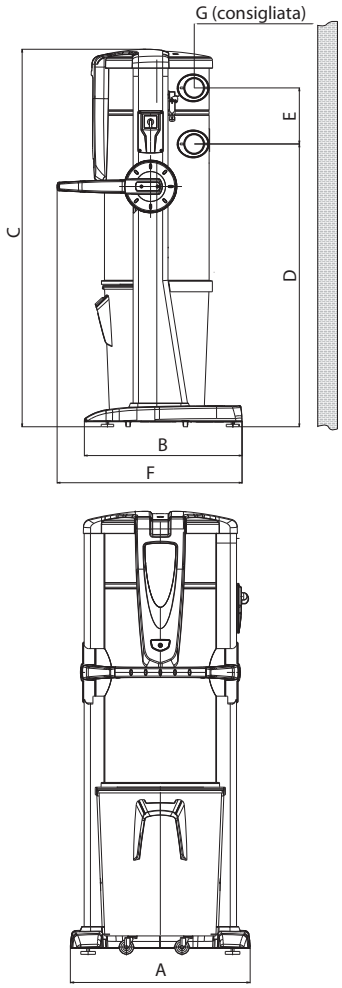
Basic SEPARATOR SECTION



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MEASUREMENT AND TECHNICAL DATA

Dust separators for industrial use Basic Small and Big are suitable for innumerable uses, thanks to their versatility and ability to be matched with the other components of an industrial central vacuum system. Dust containers are available in two high-capacity sizes and can be used in small or big industrial applications.
The choice must be made according to the total air flow of the motors to which they are matched and the number of simultaneous users. As dust separators are a component of the system, we recommend making a choice after careful global assessments, which take into account the needs and the features of the system, but also the other components required to get a complete vacuum system.



		Basic Separators	
Model		Basic Small	Basic Big
Article		**3400.20**	**3400.21**
Maintenance computer		NO	NO
Breaker valve	Ø mm	YES	YES
Filtering surface	cm^2	24000	43400
Dust bin capacity	l	62	106
Weight	kg	53	67
Measure A	mm	615	750
Measure B	mm	633	633
Measure C	mm	1515	1616
Measure D	mm	1135	1148
Measure E	mm	281	281
Measure F	mm	745	745
Measure G	mm	600	600
Measure M (air entrance)	mm	80	100
Measure N (air exhaust)	mm	80	100

TECHNICAL FEATURES

Basic Line dust separators are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.
Main technical characteristics can be listed as follows:

- Mechanical breaker valve that manages the vacuum flow
- Possible connection to the piping from the right or from the left side, independently of each other, for the connection to the vacuum pipes and the blowing motors
- Metal cylindrical frame painted with epoxy powder
- Base coated with anti-shock material to protect the vacuum unit
- Metal dustbin with wheels (capacity 62/106 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically
- Class M polyester filter, water washable (filtering surface 17000/17800 cm^2)

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

AUTOMATIC DISCHARGE

The automatic discharge separator is an irreplaceable element in all those installations where the amount of dust is so high that it would require continuous emptying of the dust separator container. To avoid this operation, the separator is equipped with a door whose opening is electrically controlled, with an actuator, to cause the automatic emptying of the dust container.



SELECTION TABLE AUTOMATIC DISCHARGE SEPARATOR

MODELLO	ARTICLE	IN/OUT connections Ø mm	Discharge Ø mm	Dust bin capacity l
Automatic discharge separator	**7010.2**	80	100	80

MAIN FEATURES OF THE PRODUCT

CE marking

IP protection degree

Electrical insulation Class I

TECHNICAL FEATURES

The automatic discharge separator has been designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.
Main technical characteristics can be listed as follows:

- Stainless steel cylindrical frame
- Wall fixing clamp
- Linear actuator complete with control panel

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

MAIN FEATURES OF THE PRODUCT

1 - Intelligent emptying management

The separator with automatic discharge has an **intelligent control that can be coordinated with the vacuum**, so that emptying does not happen simultaneously with a vacuum cycle.
If the vacuum need is greater than the capacity of the separator, it is possible to activate the emptying within a time limit, so that the discharge is made before filling. In this case the emptying has the priority over vacuuming, which will be interrupted until complete emptying.



2 - Stainless steel body

The automatic discharge separator is made with **stainless steel**: this material makes it suitable for the vacuum of liquid materials, but also of incandescent particles.
Adjusting timing discharge in a suitable way, in case of liquid and solid materials that enter during the same cycle of vacuum, it is possible to avoid the formation of wet sediments, which then solidify, whose disposal would be difficult.



3 - Protection filter

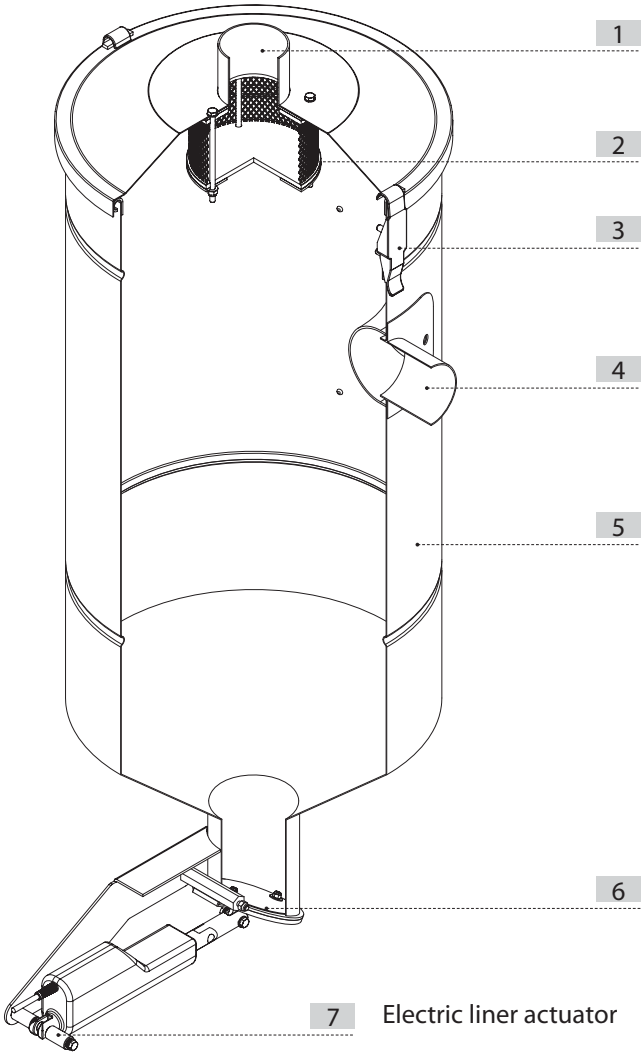
On the output of the automatic discharge separator there is a **protection filter in metallic** net that prevents large particles reaching the vacuum unit.
The filter can be inspected, for maximum ease of use.



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AUTOMATIC DISCHARGE

Automatic discharge separator SECTION





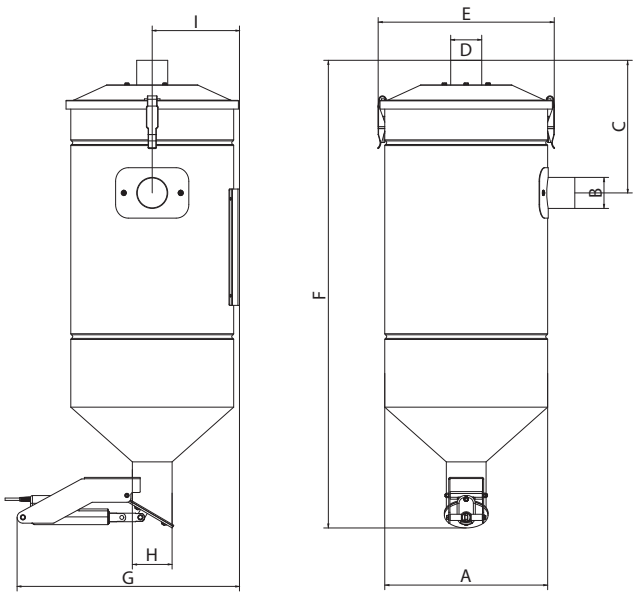


The discharge of the material can be made in an appropriate container rather than in a collecting tank.

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

MEASUREMENT AND TECHNICAL DATA

The model should be chosen according to the number of simultaneous users connected to the line of the separator, the diameter of connecting pipes, the number of simultaneous users connected to the vacuum unit.



		Automatic discharge separator
Model		Automatic discharge separator (NEW)
Article		**7010.2**
Vacuum maintenance board		YES
Protection degree	IP	44
Supply	V dc	12
Power	W	56
Absorption	A	4,3
Dust bin capacity	l	80
Weight	kg	40
Misura A	Ø mm	420
Measurement B	Ø mm	80
Measurement C	mm	342
Measurement D	Ø mm	80
Measurement E	mm	455
Measurement F	mm	1210
Measurement G	mm	575
Measurement H	Ø mm	100
Measurement I	mm	225

CERTIFICATIONS

CE marking

IP 44 **IP protection degree**

Electrical insulation
CLASS I

Automatic discharge separator -
Device in compliance with the following standards:

EC DIRECTIVES:
- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :
- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

N.B. installation must be carried out in strict compliance with current regulations.

PROFESSIONAL INDUSTRIAL

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

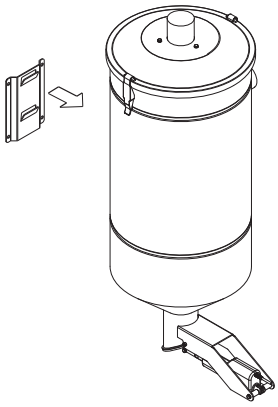
AUTOMATIC DISCHARGE

INSTALLATION TIPS

The automatic discharge separator must be connected at the end of the line that comes from the vacuum inlets before the vacuum unit (or main dust separator). The connection can be done at the end of a group of inlets, in order to make cyclonic separation only for a certain group of inlets, or it can take place just before the vacuum unit (or main dust separator), to collect all the vacuumed material.

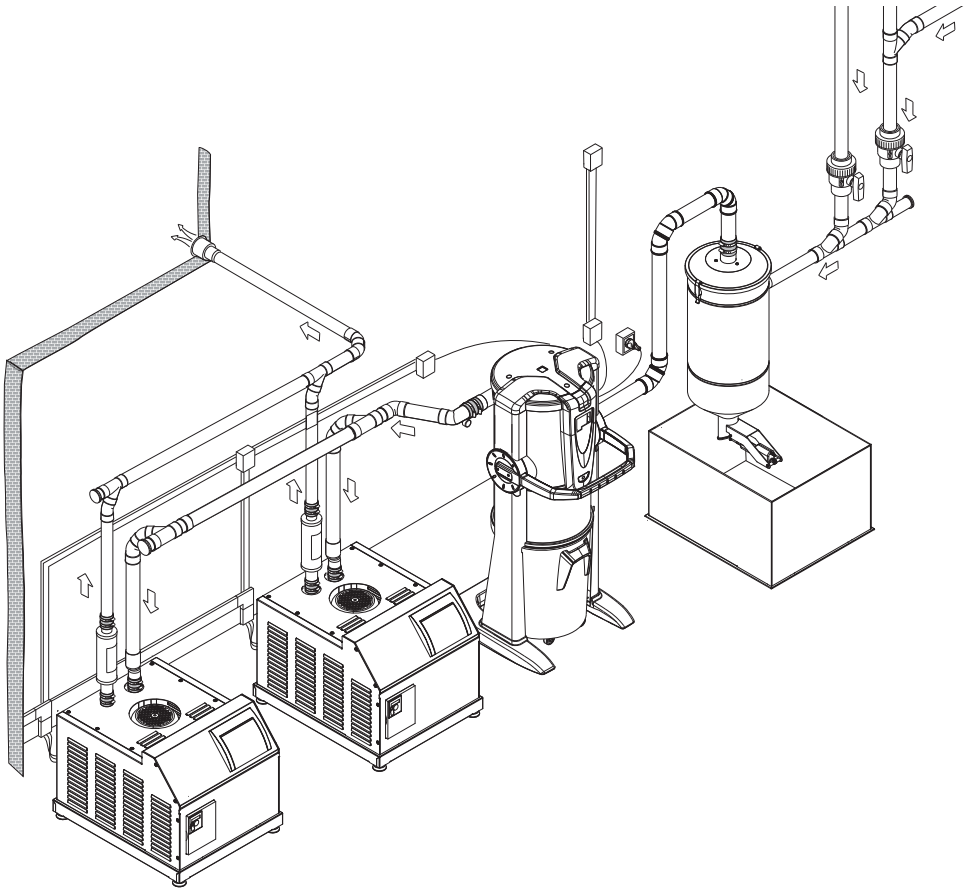
FIXING THE SEPARATOR

The automatic discharge separator must be hung on the wall using the supplied bracket, which must be fixed permanently to the wall by the use of appropriate plugs, considering that the total supported weight can be considerably higher than weight of the separator itself.
N.B. The separator must be fixed at a level that allows the discharge of the material in the container considering the overall dimensions of the open door.



PIPE NETWORK CONNECTION

The automatic discharge separator is supplied with connecting anti-vibration sleeves and clamps for the pipe network connection.
The separator must be connected to the pipe network before the vacuum unit, so that it can intercept the dust that arrives form the vacuum inlets, before it reaches the vacuum unit.



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

CHOICE GUIDE TO PRODUCTS

CHOICE GUIDE TO INDUSTRIAL VACUUM UNITS

Master Line Professional vacuum units are equipped with the latest-generation electronics that **simplify system installation and testing**.
The great modularity of these systems allowsa range of options, with the same number of operators working simultaneously, with different product combinations.
In the tables below, it is possible to find all the articles and quantities required for the correct choice of the professional vacuum unit.
The identification of the product can be carried out on the basis of number of operators, and is essentially divided into three different options:

BASIC SOLUTION

This solution is the basic configuration to ensure a good vacuum performance in the system, without optionals: motors are not supplied with devices for energy saving and dust separators are not fitted with the automatic cleaning system (can be installed later).

IDEAL SOLUTION

With this central vacuum system option, motors can vary consumption according to the vacuum power actually requested, allowing a real energy saving.
Dust separators are measured in order to reduce the emptying frequency and all are equipped with an automatic cleaning system.

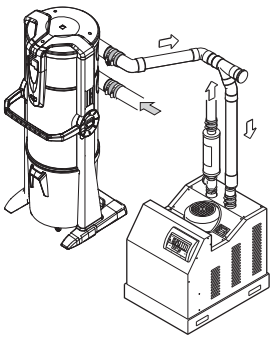


TOP OF THE RANGE SOLUTION

In this configuration, the system expresses its full potential: energy saving thanks to modular consumption, vacuum power split over multiple motors, so as to avoid interruption of service in case of faults in a single motor, dust separators of maximum size, lowering the emptying frequency of the bin, always equipped with the automatic cleaning of the filter.

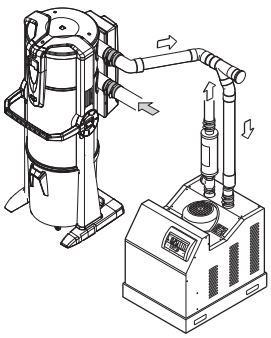
MAXIMUM NUMBER OF USERS 1 – MAXIMUM NUMBER OF VACUUM INLETS 40

BASIC Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.0	Industrial Clean Small dust separator	1
3500.1M	Industrial Motor U1 electric blowing motor	1
11001	Metal silencer Ø 2"	1

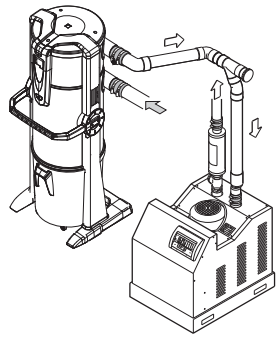
IDEAL Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.0	Industrial Clean Small dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.2M	Industrial Motor U1 Matic electric blowing motor	1
11001	Metal silencer Ø 2"	1

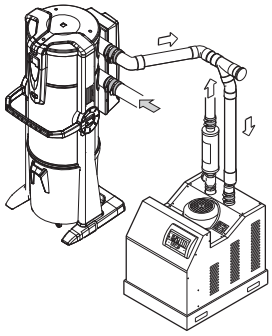
MAXIMUM NUMBER OF USERS 2 – MAXIMUM NUMBER OF VACUUM INLETS 60

BASIC Solution



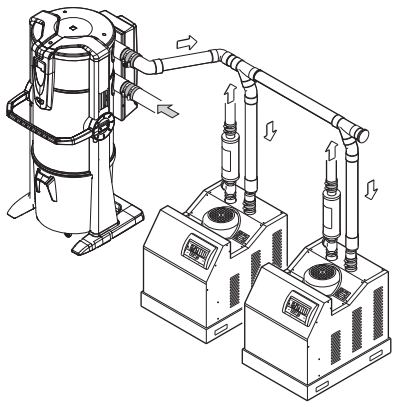
ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.0	Industrial Clean Small dust separator	1
3500.3M	Industrial Motor U2 electric blowing motor	1
11002	Metal silencer Ø 3"	1

IDEAL Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.0	Industrial Clean Small dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.4M	Industrial Motor U2 Matic electric blowing motor	1
11001	Metal silencer Ø 2"	1

TOP Solution

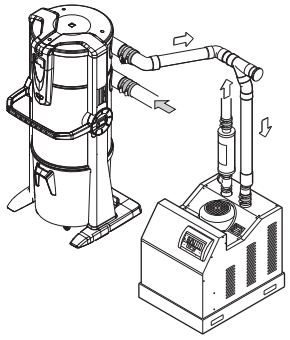


ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.2M	Industrial Motor U1 Matic electric blowing motor	2
11001	Metal silencer Ø 2"	2
0110001	Check valve for connecting motors Ø 2"	2

CHOICE GUIDE TO PRODUCTS

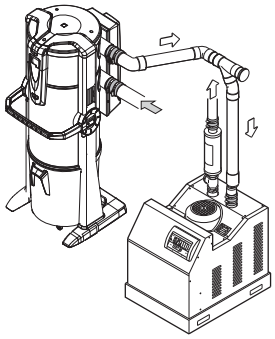
MAXIMUM NUMBER OF USERS 3 – MAXIMUM NUMBER OF VACUUM INLETS 80

BASIC Solution



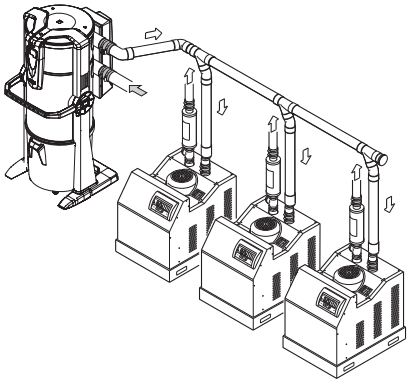
ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3500.5M	Industrial Motor U3 electric blowing motor	1
11002	Metal silencer Ø 3"	1

IDEAL Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.6M	Industrial Motor U3 Matic electric blowing motor	1
11002	Metal silencer Ø 3"	1

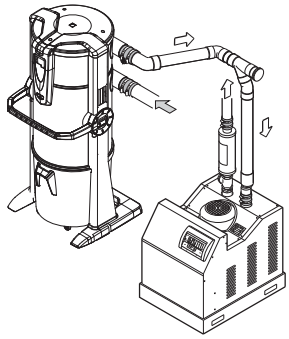
TOP Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.2M	Industrial Motor U1 Matic electric blowing motor	3
11001	Metal silencer Ø 2"	3
0110001	Check valve for connecting motors Ø 2"	3

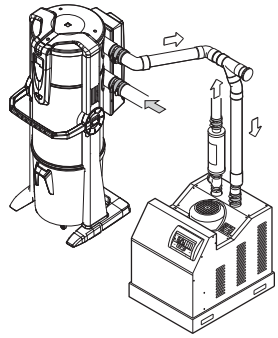
MAXIMUM NUMBER OF USERS 4 – MAXIMUM NUMBER OF VACUUM INLETS 100

BASIC Solution



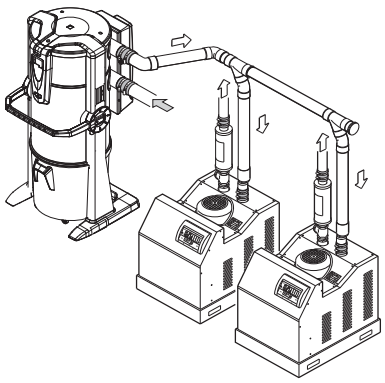
ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3503.7M	Industrial Motor U4 Matic electric blowing motor	1
11003	Metal silencer Ø 4"	1

IDEAL Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.7M	Industrial Motor U4 Matic electric blowing motor	1
11003	Metal silencer Ø 4"	1

TOP Solution

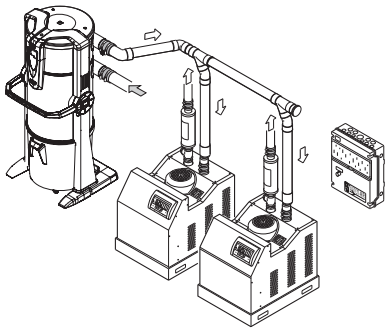


ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.4M	Industrial Motor U2 Matic electric blowing motor	2
11001	Metal silencer Ø 2"	2
0110002	Check valve for connecting motors Ø 2"	2

CHOICE GUIDE TO PRODUCTS

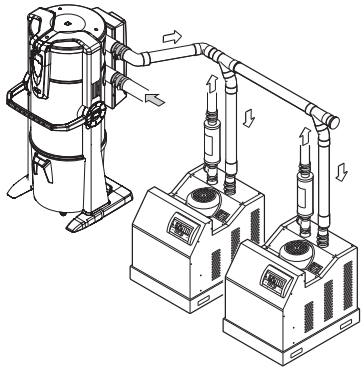
MAXIMUM NUMBER OF USERS 6 – MAXIMUM NUMBER OF VACUUM INLETS 120

BASIC Solution



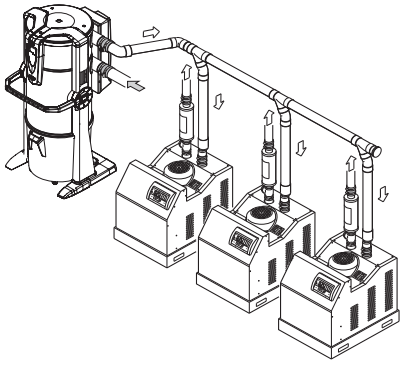
ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3500.5M	Industrial Motor U3 electric blowing motor	2
11002	Metal silencer Ø 3"	2
0110003	Check valve for connecting motors Ø 3"	2
3301.6	Electronic panel for 2 motors	1

IDEAL Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.6M	Industrial Motor U3 Matic electric blowing motor	2
11002	Metal silencer Ø 3"	2
0110003	Check valve for connecting motors Ø 3"	2

TOP Solution



ARTICLE	PRODUCT DESCRIPTION	Quantity
3403.1	Industrial Clean Big dust separator	1
3600.0U	Autocleaner (universal autocleaning system)	1
3503.4M	Industrial Motor U2 Matic electric blowing motor	3
11001	Metal silencer Ø 2"	3
0110002	Check valve for connecting motors Ø 2"	3















MULTIPLE APPLICATIONS

Installations of Sistem Air industrial line allow great flexibility regarding design and production.
The possibility of matching several motors and the division of the pipe network into more lines removes limits with respect to the number of simultaneous users and with respect to the number of vacuum inlets.

The whole system is always seeking the perfect balance between performance and system features.





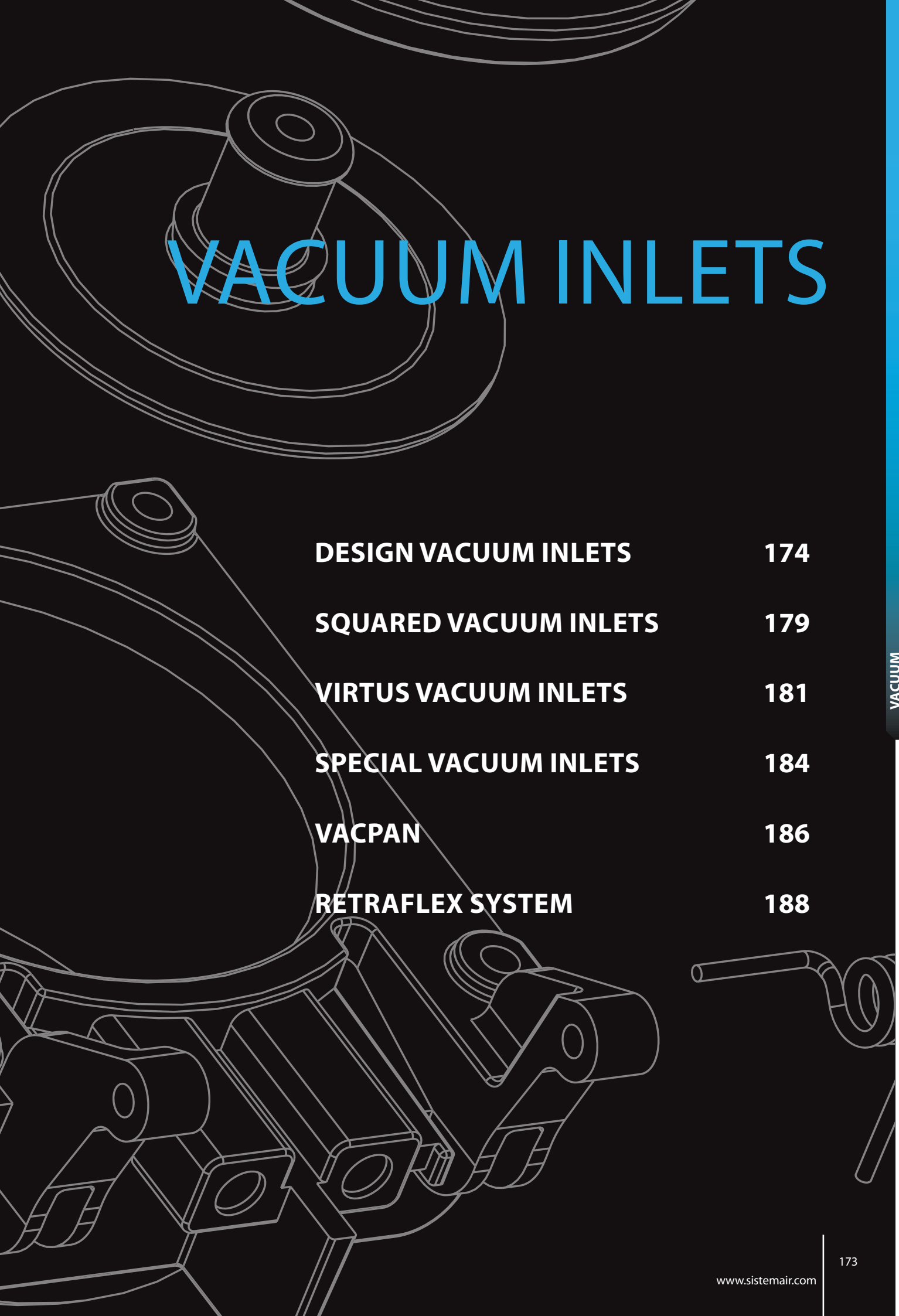






A constantly updated range, in order to meet the technical and aesthetic requirements of customers who always expect the best, from a leading company.

VACUUM INLETS



DESIGN VACUUM INLETS 174

SQUARED VACUUM INLETS 179

VIRTUS VACUUM INLETS 181

SPECIAL VACUUM INLETS 184

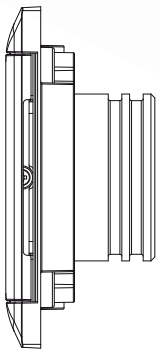
VACPAN 186

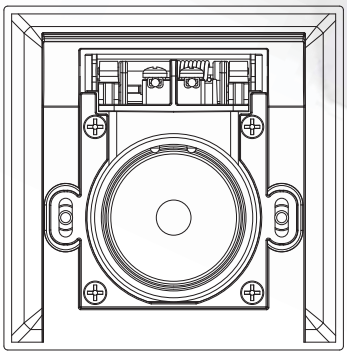
RETRAFLEX SYSTEM 188

DESIGN INLETS

SQUARED VACUUM INLETS DESIGN

Design inlets are the result of a project that has been developed entirely by Sistem Air: it developed a product with impeccable design, with high stress resistance, absolutely identical to the domestic series used for electrical installations.





INSTALLATION AREA

Sistem Air vacuum inlets are available in different models, according to their use, and are able to satisfy different requirements: from domestic use, where aesthetics is the most important feature, to the professional area, that requires strength and functionality before design.

MAIN FEATURES OF THE PRODUCT



1 - Ergonomic opening, perfect fit

The ergonomic flap door has been **designed to minimise stress during the vacuum inlet opening**, which occurs with natural motion and without force.

The door spring and the new seal allow firm closing, **ensuring the air tight element of the system**, both when it is switched off, or when another vacuum inlet is used.



2 - Exceptional rigidity

The screws that fix the vacuum inlet body to the frame support are **extremely strong** and the vacuum inlet can withstand the stress caused by the insertion and disconnection of the hose used for the cleaning operations.

3 - Easy to install

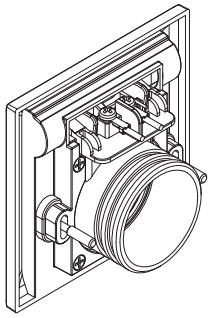


Design inlet has been designed to be **easily installed**: the coupling of the vacuum inlet with the backplate has a **double location for the seal** in order to move it and obtain the perfect fit, even when the backplate is not installed flush with the wall and it is necessary to use the specific extension kits (art. 1457.1 e 1450.9).

Even the electrical connection to the central vacuum unit micro-switch is very easy, thanks to the connecting clamps.

4 - Technical quality

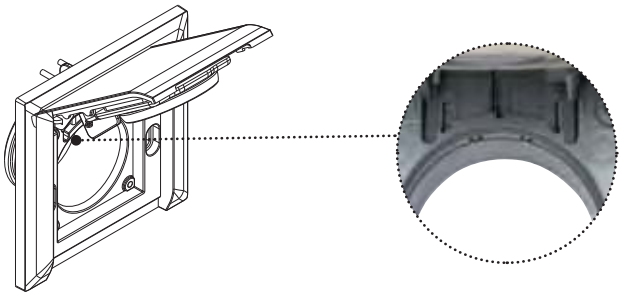
The materials used for production and assembly add total quality to Sistem Air vacuum inlets, that will remain unchanged over time.



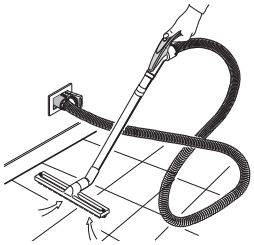


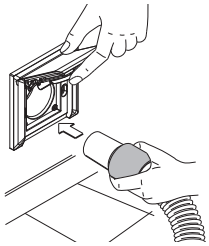
5 - Universal use

Sistem Air vacuum inlets, thanks to the contacts inside it, can be equally used:

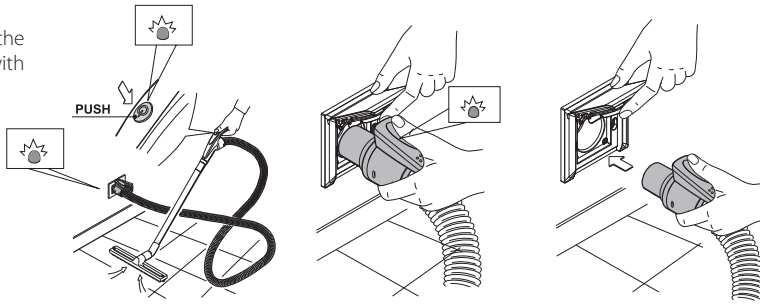


- **with standard flexible pipes** (vacuum starts on insertion of the pipe into the vacuum inlet. This happens thanks to the metal ring on the pipe-inlet connection);





- **with ON-OFF pipes** (vacuum starts by pressing a button on the pipe handle). In particular, these inlets are suitable to be used with ON-OFF wireless pipe. Flisy



6 - Cover set

Design covers are able to transform a functional element, a vacuum inlet, into a cheerful piece of furniture. Simply select the required color, and, in a few seconds, replace the provided standard white cover.



DESIGN INLETS

Choose your style

Sistem Air vacuum inlets don't need to be hidden, because they are a design element, like the other electrical elements of an electric system.





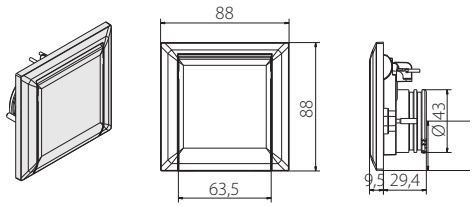




SELECTION TABLE - DESIGN COVERS

	COVERS FOR DESIGN VACUUM INLETS		
	ARTICLE	PRODUCT DESCRIPTION	
	1467.C1	Cover set for design vacuum inlet dark grey	1
	1467.C2	Cover set for Design vacuum inlet cream	1
	1467.C3	Cover set for Design vacuum inlet lemon	1
	1467.C4	Cover set for Design vacuum inlet silver	1
	1467.C5	Cover set for Design vacuum inlet black	1
	1467.C6	Cover set for Design vacuum inlet sand	1
	1467.C7	Cover set for Design vacuum inlet olive	1
	1467.C8	Cover set for Design vacuum inlet light grey	1
	1467.C9	Cover set for Design vacuum inlet vanilla	1
	1467.C10	Cover set for Design vacuum inlet coffee	1
	1467.C11	Cover set for design vacuum inlet berry	1

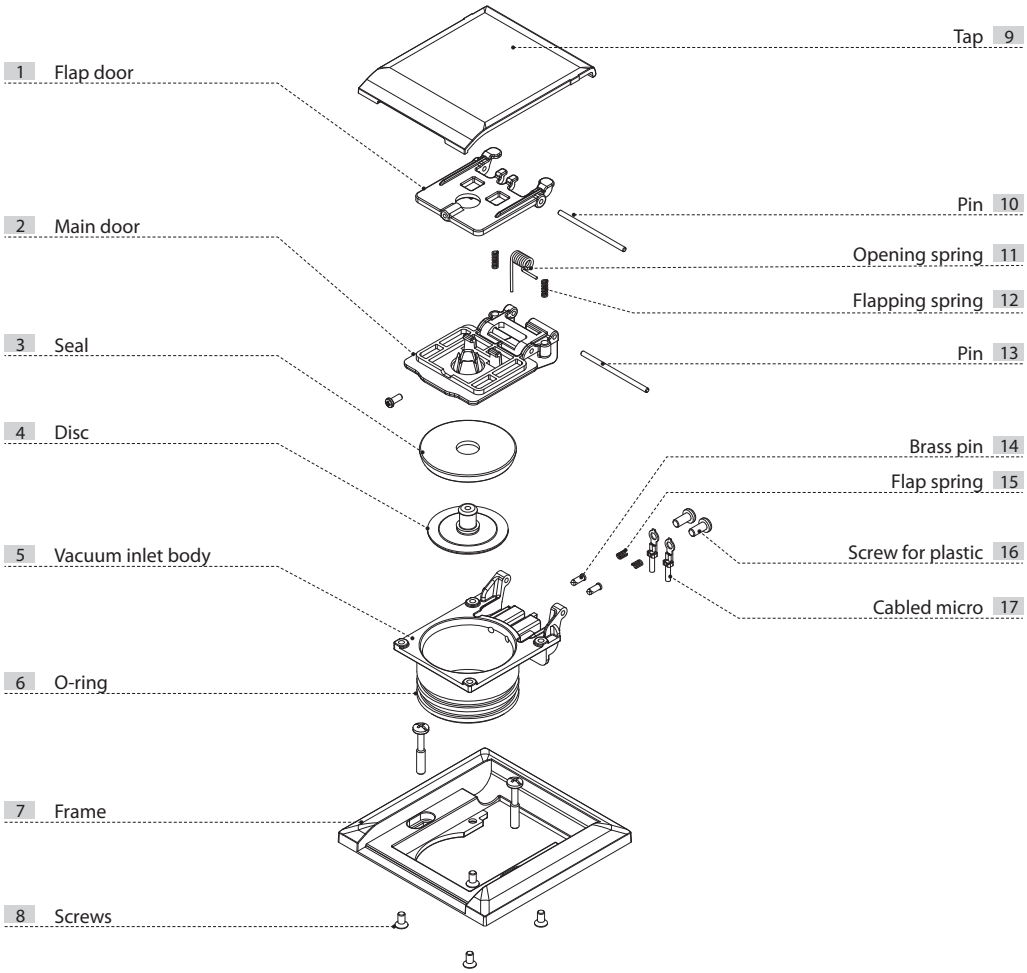
DESIGN VACUUM INLET



DESIGN SQUARED INLETS		
Article	Product description	Packaging Pc
1467.0	design squared vacuum inlet white colour*	1

* not suitable for installation on backplates art. 1450.12, 1450.13 e 1450.4C.

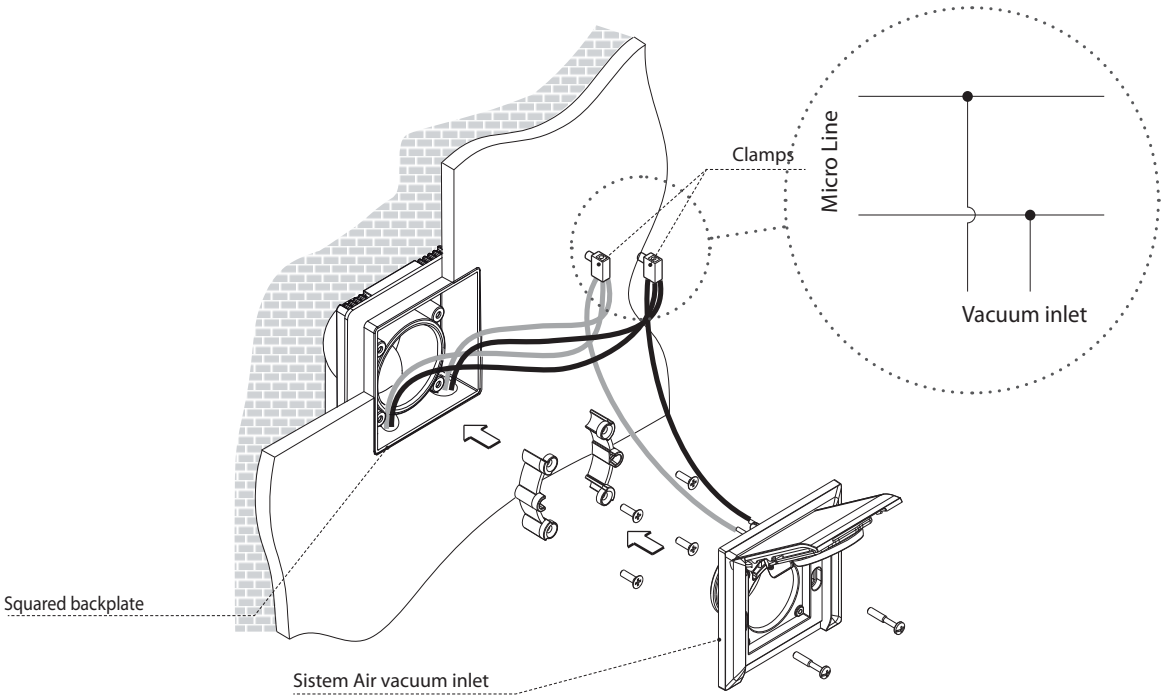
DESIGN VACUUM INLET SECTION



DESIGN INLETS

VACUUM INLET FIXING

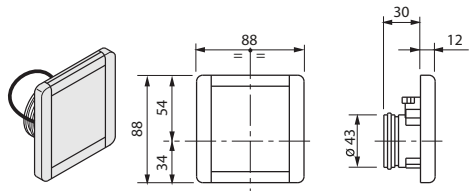
ELECTRICAL CONNECTIONS



DESIGN vacuum inlet, tailored to your home.

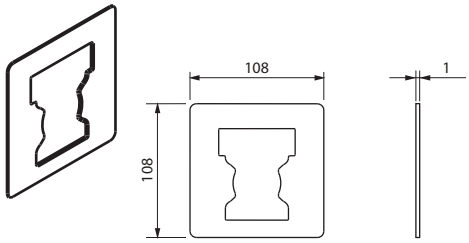


SQUARED VACUUM INLETS



VACUUM INLETS FOR SQUARE BACKPLATE (ART. 1450.4B E ART.1450.5B)

ARTICLE	Product description	Colour	Packaging pc
1464.0B	SQUARED VACUUM INLET	White	20
1464.1B		Ivory	20
1464.2B		Silver	20



FINISHING FRAMES FOR SQUARED VACUUM INLETS

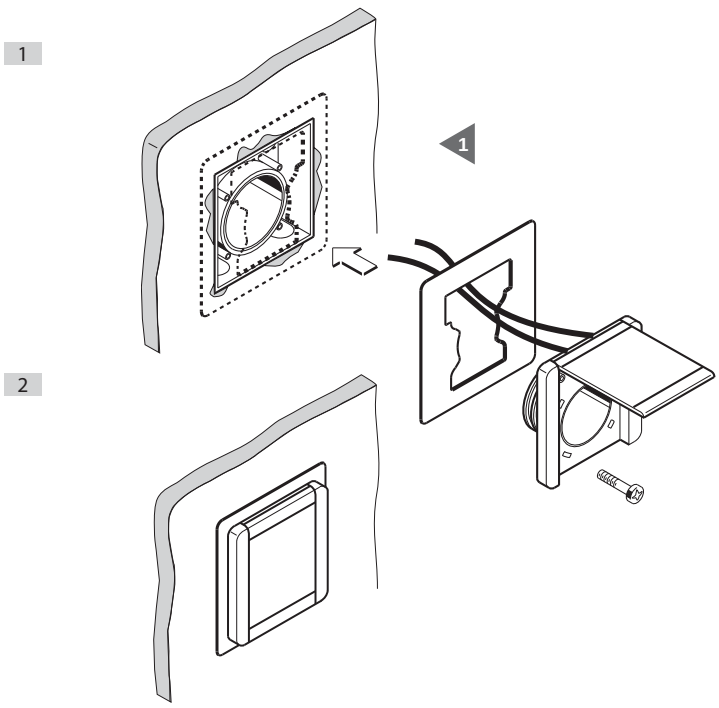
ARTICLE	Product description	Colour	Packaging pc
1450.10	FINISHING FRAMES	White	5
1450.11		Ivory	5
1450.19		Silver	5







EXPLANATORY SCHEME



N.B.: Plaster defects around the backplate can be resolved by inserting the finishing frame between backplate and vacuum inlet.

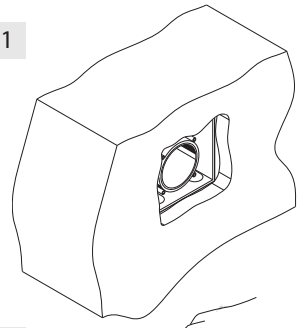
EXTENSIONS FOR VACUUM INLETS

USE INSTRUCTIONS FOR EXTENSION TOOLS

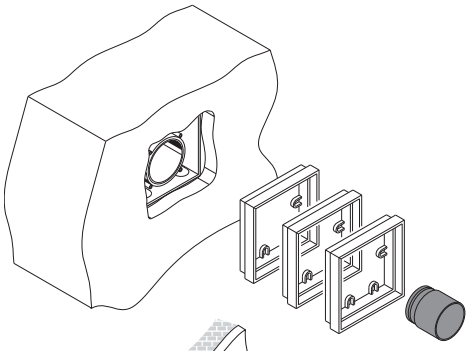
1 - art. 1450.9 Extension kit for backplate (art. 1450.4B and 1450.5B)

The extension kit for squared backplate allows correction in situations where the backplate is set back from the edge of the plaster. With the extension sleeve, the seal is restored, while the three modular frames cover the masonry around the inlet, allowing the right positioning.
Extension kits can be combined up to the required size.

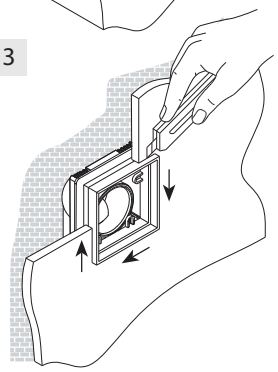
1



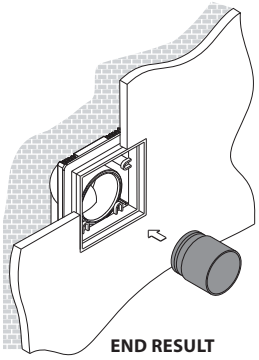
2



3



4



END RESULT

1 backplate has been walled in a recessed position relative to the wall surface and masonry is irregular.

2 use the extension frames (adequate quantity) to rebuild a smooth surface for the inlet fastening.

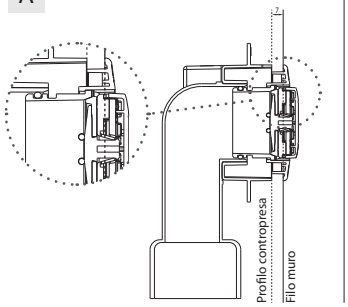
3 If necessary, trim the frame surplus.

4 Insert the extension sleeve by following the instructions below.

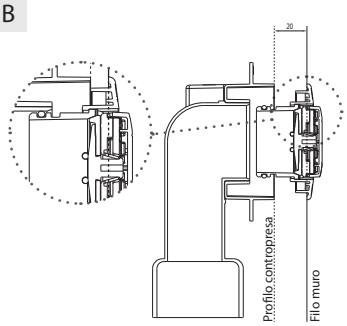
2 - art. 1457.1 extension for all domestic vacuum inlets

The backplate extension can correct those particular situations where the backplate is set back from the edge of the plaster, but restoring the bearing surface of the vacuum inlet is not necessary (e.g. coating panels, furniture, etc.). Extensions allow the restoring of the seal, and can be combined up to the required size.

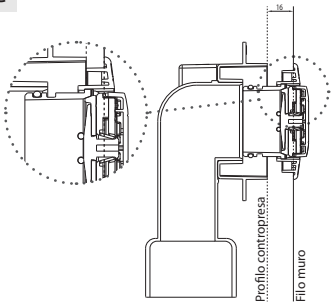
A



B



C

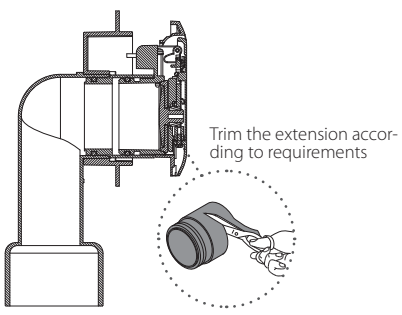


A: the backplate is set back up to 7 mm relative to the plaster
EXTENSION IS NOT REQUIRED (art. 1457.1)

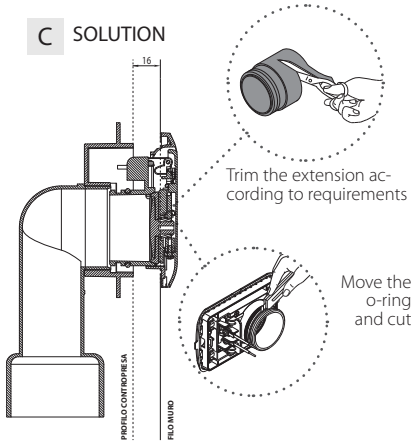
B: the backplate is set back more than 16 mm respect to the plaster
EXTENSION IS REQUIRED (to crop, according to need)

C: the backplate is set back between 16 and 18 mm relative to the plaster:
THE VACUUM INLET MUST BE SHORTENED MOVING THE O-RING ON THE INTERNAL POSITION AND USING THE EXTENSION (to crop, according to need)

B SOLUTION



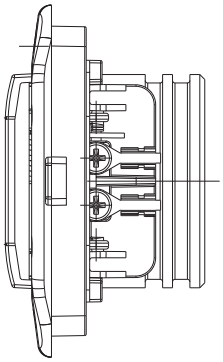
C SOLUTION

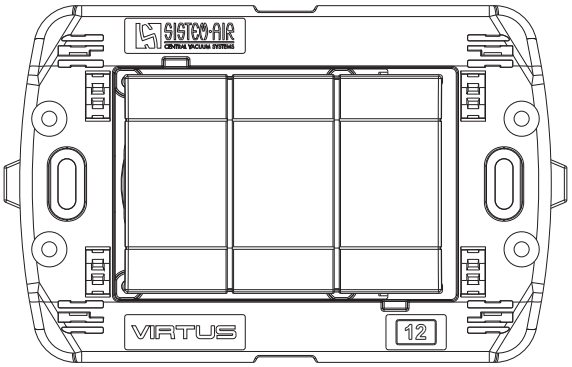


INLETS VIRTUS

RECTANGULAR VACUUM INLETS VIRTUS

They are the result of the same project as Design vacuum inlets, because Sistem Air Virtus have the same characteristics of robustness and functionality, plus an aesthetic line identical to the main domestic electric series on the Italian market.





EXTREMELY FAITHFUL TO THE ORIGINAL

The Sistem Air vacuum inlets accurately reflect shape, colours and finishes of the domestic series for the electrical system, with a perfect integration. The result is very harmonious and the available models are exactly the same produced by the main companies on the market.
A touch of "Italian Style" for those who care about details.





The fake aesthetic plugs reflect the domestic series in every detail, not only in shape, but also in colour and finish. This perfect likeness makes the combination of electrical switches and vacuum inlets possible.

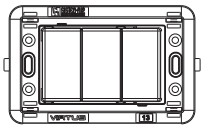




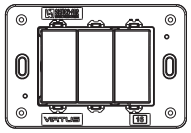
VIRTUS INLETS

SELECTION TABLE RECTANGULAR VACUUM INLETS

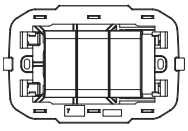
Sistem Air vacuum inlets are suitable for different installation and aesthetic requirements for every application.
Every vacuum inlet for rectangular backplates must be integrated with the finishing frame of the reference domestic series, while vacuum inlets for squared vacuum inlets have their aesthetic finishing, available in three different colors.



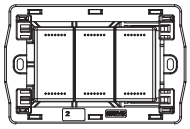
DOMESTIC VACUUM INLETS MOD. BTICINO		
ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1561.0	Vacuum inlet mod. BTicino Living International	10
1562.0	Vacuum inlet mod. BTicino Living Light	10
1564.0	Vacuum inlet mod. BTicino Axolute white	10
1565.0	Vacuum inlet mod. BTicino Light tech	10
1566.0	Vacuum inlet mod. BTicino Axolute black	10
1567.0	Vacuum inlet mod. BTicino Axolute silver	10
1568.0	Vacuum inlet mod. BTicino Luna white	20
1569.0	Vacuum inlet mod. BTicino Matix	10
1570.0	Vacuum inlet mod. BTicino Air black	10
1571.0	Vacuum inlet mod. BTicino Air white	10
1571.1	Vacuum inlet mod. BTicino Axolute Air anthracite	10
1571.2	Vacuum inlet mod. BTicino Axolute Air white	10
1571.2	Vacuum inlet mod. BTicino Axolute Air tech	10
1572.0	Vacuum inlet mod. BTicino Air tech	10



DOMESTIC VACUUM INLETS MOD. VIMAR		
ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1553.0	Vacuum inlet mod. VIMAR Idea black	10
1553.2	Vacuum inlet mod. VIMAR Idea white	10
1553.3	Vacuum inlet mod. VIMAR Plana silver	10
1553.4	Vacuum inlet mod. VIMAR Plana white	10
1553.5	Vacuum inlet mod. VIMAR Next /Eikon Evo Next	10
1558.0	Vacuum inlet mod. VIMAR Eikon/ Eikon Evo	10
1558.1	Vacuum inlet mod. VIMAR Eikon/ Eikon Evo white	10
1553.9	Vacuum inlet mod. VIMAR Arkè anthracite	10
1553.10	Vacuum inlet mod. VIMAR Arkè white	10

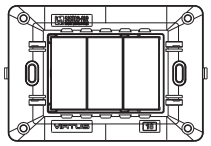


DOMESTIC VACUUM INLETS MOD. GEWISS		
ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1557.0	Vacuum inlet mod. GEWISS Playbus	20
1557.1	Vacuum inlet mod. GEWISS Chorus white	20
1557.2	Vacuum inlet mod. GEWISS Chorus black	20
1557.3	Vacuum inlet mod. GEWISS Chorus titanio	20



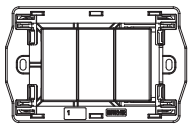
DOMESTIC VACUUM INLETS MOD. AVE

ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1552.0	Vacuum inlet mod. AVEE Noir	1
1563.0	Vacuum inlet mod. AVE Blanc	1
1563.1	Vacuum inlet mod. AVE Ral	1
1563.2	Vacuum inlet mod. AVE Banquise white	1
1563.3	Vacuum inlet mod. AVE Touch black	1
1563.4	Vacuum inlet mod. AVE Touch white	1
1563.5	Vacuum inlet mod. AVE Life 44 black	1
1563.6	Vacuum inlet mod. AVE Domus 100 white	1
1563.7	Vacuum inlet mod. AVE Alluminia S44	1
1563.8	Vacuum inlet mod. AVE Touch Alluminia gray	1



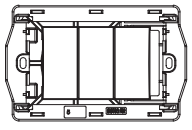
DOMESTIC VACUUM INLETS MOD. SIMON URMET

ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1543.0	Vacuum inlet mod. SIMON URMET Nea anthracite	10
1543.1	Vacuum inlet mod. SIMON URMET Nea white	10
1543.2	Vacuum inlet mod. SIMON URMET Nea dark steel	10
1543.3	Vacuum inlet mod. SIMON URMET Nea white ice	10
1543.4	Vacuum inlet mod. SIMON URMET Nea aluminium	10



DOMESTIC VACUUM INLETS MOD. LEGRAND

ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1551.4	Vacuum inlet mod. LEGRAND Vela black	1
1551.3	Vacuum inlet mod. LEGRAND Vela white	1



DOMESTIC VACUUM INLETS MOD. ABB

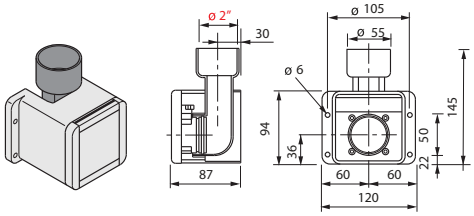
ARTICLE	PRODUCT DESCRIPTION	Packaging PC
1541.0	Vacuum inlet mod. ABB elos	1
1542.0	Vacuum inlet mod. ABB light	1
1542.1	Vacuum inlet mod. ABB Mylos black	1
1542.2	Vacuum inlet mod. ABB Mylos white	1

SPECIAL VACUUM INLETS

SPECIAL VACUUM INLETS

Sistem Air vacuum inlets are suitable for different installation requirements for domestic and professional application.
Floor vacuum inlets and industrial vacuum inlets have a micro-switch with IP65 protection degree.
N.B. external industrial vacuum inlets have a connection for both rigid Ø 50 mm pipes and for Ø 63 mm pipes (using the sleeve as a connection, art. 1163.1)..

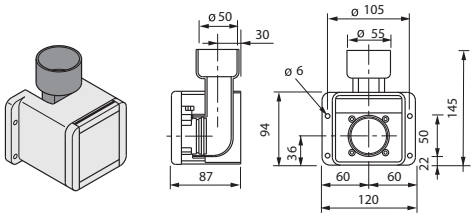
1 -External domestic vacuum inlet Ø 2”



EXTERNAL DOMESTIC VACUUM INLET FOR FLEXIBLE HOSE Ø 32 AND PVC PIPES Ø 2”

ARTICLE	PRODUCT DESCRIPTION	Colour	Packaging Pc
1459.4	External domestic vacuum inlet	☐ White	1

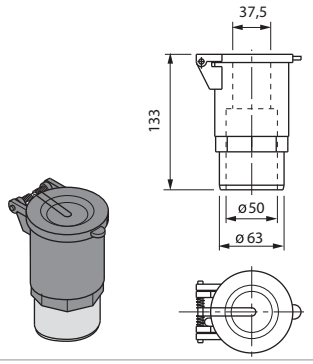
2 -External domestic vacuum inlet



EXTERNAL DOMESTIC VACUUM INLET FOR FLEXIBLE HOSE Ø 32 AND PVC PIPES Ø 50

ARTICLE	PRODUCT DESCRIPTION	Colour	Packaging Pc
1459.5	External domestic vacuum inlet	☐ White	1

3 -External industrial vacuum inlet



EXTERNAL INDUSTRIAL UNIVERSAL VACUUM INLET FOR FLEXIBLE HOSE Ø 32/40 AND PVC PIPES Ø 50/63

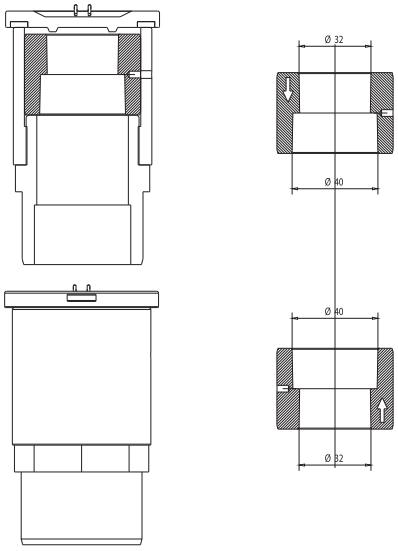
ARTICLE	PRODUCT DESCRIPTION	Packaging Pc
1556.0	Industrial universal vacuum inlet Ø 32/40 mm (with micro-switch)	1

N.B. antistatic version available (art. 1556.0A), see page 219

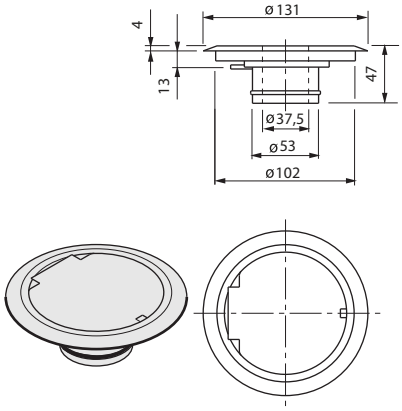


External industrial inlets

Industrial external inlets by Sistem Air can be connected to cleaning kits both Ø 32 or 40 mm: just rotate the adapting connection inside the vacuum inlet onto the required side.

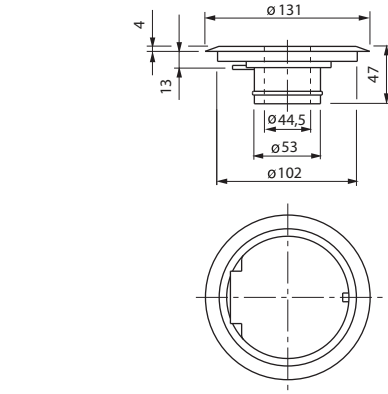


3 -Floor inlets



FLOOR INLETS FOR FLEXIBLE HOSE Ø 32

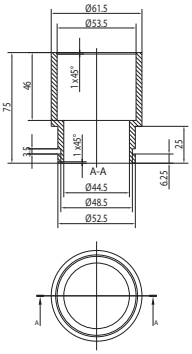
ARTICLE	PRODUCT DESCRIPTION	Colour	Packaging Pc
1455.0A	Floor inlet (with micro-switch)	Grey	1
1455.0N		Black	1



FLOOR VACUUM INLETS FOR FLEXIBLE HOSE Ø 40

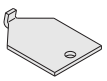
ARTICLE	PRODUCT DESCRIPTION	Colour	Packaging Pc
1455.2A	Floor vacuum inlets (with micro-switch)	Grey	1
1455.2N		Black	1





EXTENSION FOR FLOOR INLETS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pc
1457.2	Extension for floor inlets	1



STEEL KEY FOR PROTECTED INLETS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pc
1400.1	Steel key for protected inlets	5

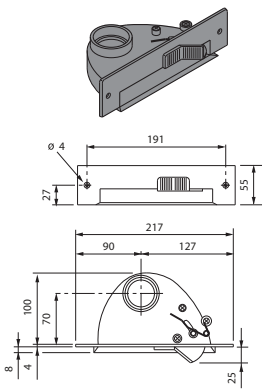
VACPAN VACUUM INLETS

VACPAN VACUUM INLETS

Sistem Air vacpan vacuum inlets are suitable to be installed in kitchen baseboards (see image below).
Turning the system on and off occurs by means of a pedal placed on the frontal part of the inlet. Thanks to built-in backplate (art. 1450.16) you can install the vacpan vacuum inlets also in the walls.

N.B. vacpan vacuum inlets are equipped with electrical contact for the vacuum unit control.





VACPAN VACUUM INLET

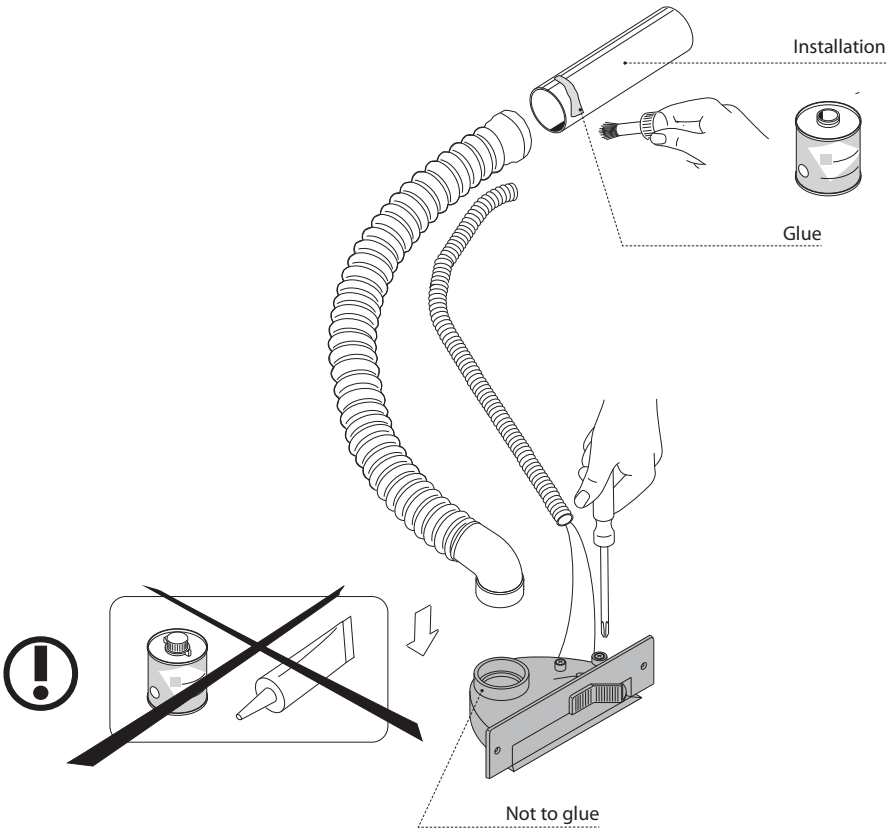
ARTICLE	PRODUCT DESCRIPTION	Colour	Packaging Pc
1464.2	Vacpan vacuum inlet with micro-switch	White	1
1464.3		Black	1
1464.5		Silver	1

PIPE NETWORK CONNECTION

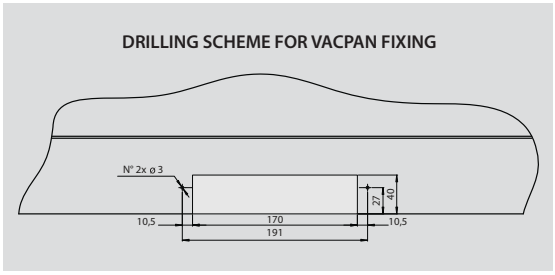
Sistem Air vacpan vacuum inlets have been designed to be directly installed in kitchen baseboards.
During installation it is necessary to bring the pipe network and the micro line near the inlet installation site.

VACPAN INLET CONNECTION

Sistem Air vacpan vacuum inlets are very easy to install.
In fact, they come complete with a flexible connection that connects to the pipe network Ø 50 at one end by gluing (with the same glue used for rigid pipes) while the other end has an integrated 90 ° elbow that fits into the vacpan inlet (not to glue, it facilitates disassembly in case of inspections behind the baseboard where the inlet has been fixed).



N.B. for wall installation it is necessary to use the specific backplate art. 1450.16 (see page 207).



RETRAFLEX

VACUUM INLET FOR RETRACTABLE FLEXIBLE HOSE

The system with Retraflex retractable hose has been designed to be used in all those applications where traditional hose is not required: Sistem Air offers it in its most advanced version, extremely easy to install and to use, thanks to the ON / OFF wireless control Flisy.



① Retraflex backplate
② Save-plaster cover
③ Retraflex door

THE COMFORT OF THE RETRACTABLE HOSE

With Retraflex the flexible hose retracts inside the installation pipe network at the end of the cleaning operations: it doesn't need further recovery space and it is ready for the following use.

5 SIMPLE STEPS AND YOU FORGET ABOUT



1 – open the door



2 – extract the flexible hose (to the required length)



3 – fix the hose to avoid its return (now vacuum starts)



4 – insert the specific handle



5 – add the accessory you need: you are ready for cleaning!

WHEN THE CLEANING OPERATIONS ARE OVER…



1 – remove the handle



2 –release the flexible hose



3 – lightly cover the entry: the hose will be "sucked down" in the pipe network



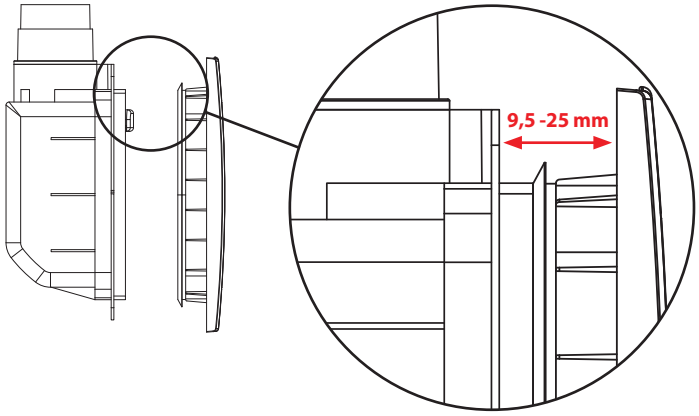
4 –close the door (now vacuum stops)

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

MAIN FEATURES OF THE PRODUCT

1 - Easy to install on the wall

Backplate for Retraflex system is easy to install on wood, plaster or brick walls. The door connection of the backplate has a 25 mm stroke which enables it to adapt easily to the level of the finished wall, without the need for extensions. The watertight door is always perfect.



2 - Adjustable aesthetic finishing

4 covers in different colours and finishings are available, adaptable to all environments.

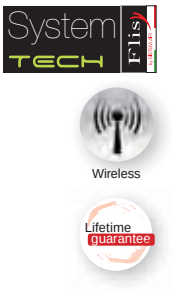


3 - Optional use with ON/OFF System Tech Flisy (see page 228)

Retraflex retractable hose is also available with ON/OFF wireless System Tech Flisy, which combines the comfort of the ON/OFF hose to the certainty of reception, due to the absence of batteries in the receiver module.
The reliability of the system is confirmed by a lifetime warranty on electronic components, also on this Flisy version.







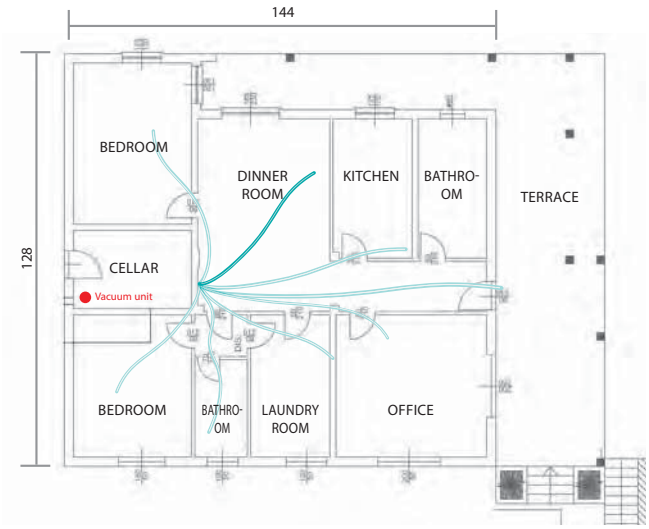
NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

RETRAFLEX

INSTALLATION PLAN WITH RETRAFLEX RETRACTABLE HOSE

- the installation pipe used for the flexible hose retraction must be the same length as the flexible pipe.
- This route can't have derivations but must be made with specific installation material for Retraflex. The remaining pipe network can be made equally with dedicated or standard grey installation material.
- Retraflex backplate has a thickness of about 10 cm: during installation planning, it is important to consider installing Retraflex vacuum inlets in walls with sufficient thickness.
- We recommend the installation of Retraflex vacuum inlets one metre above floor level.

Flexible hoses are supplied with cleaning accessories and are available 9, 12 or 15 metres long, in order to cover the maximum surface with the lowest number of hoses.

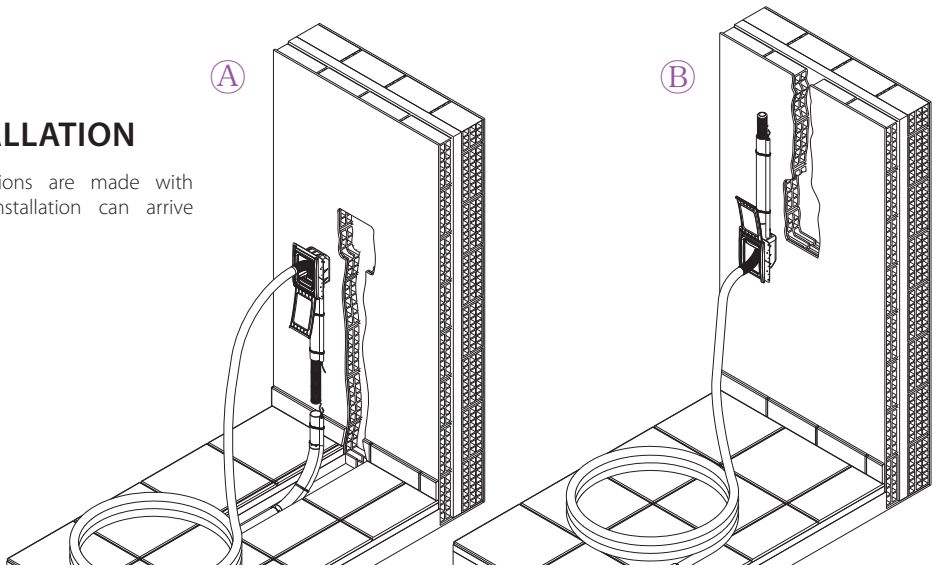


FLEXIBILITY OF INSTALLATION

With Retraflex, all cleaning operations are made with retractable hoses. Pipe network installation can arrive indifferently:

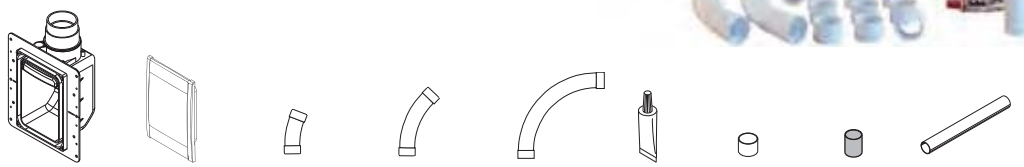
A) From below (i.e. under the floor)

B) From above (i.e. countertop)



1 - Retraflex installation kit 1 inlet

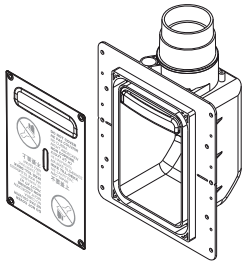


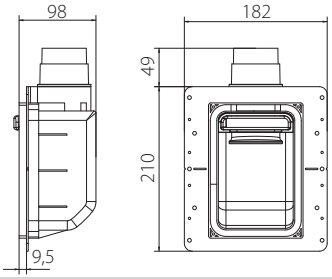


Article	Retraflex inlet pc	Door for Retraflex inlet pc	Elbow 22,5° 2" wide range pc	Elbow 45° 2" wide range pc	Elbow 90° 2" wide range pc	Glue 60 gr pc	Sleeve PVC 2" pc	Adapter 50/2" pc	PVC pipe Ø 2" m
7230.1	1	1	2	2	3	1	7	1	16 m

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

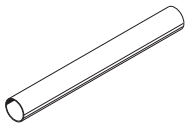
SPECIAL INSTALLATION MATERIAL FOR RETRAFLEX SYSTEM





Backplate for Retraflex inlet

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
1450.30	Backplate for Retraflex inlet	1



PVC pipe Ø 2", 1,4 thick, white, Sistem Air (2 m bar)

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
1851.0	PVC pipe Ø 2", 1,4 thick, white Sistem Air (2 m bar)	1



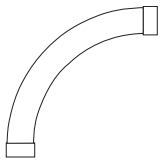
PVC elbow 22,5° FF Ø 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
3051.6	PVC elbow 22,5° FF Ø 2"	1



PVC elbow 45° FF Ø 2" large

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
3051.7	PVC elbow 45° FF Ø 2" large	1

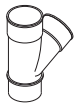


PVC elbow 90° FF Ø 2" large

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
3051.8	PVC elbow 90° FF Ø 2" large	1

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

SPECIAL INSTALLATION MATERIAL FOR RETRAFLEX SYSTEM



PVC derivation 45° FFF 2" white Sistem Air

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
4051.2	PVC derivation 45° FFF 2" white Sistem Air	35



PVC sleeve 2" white Sistem Air

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
1151.1	PVC sleeve 2" white Sistem Air	20



Fixing for pipe 2" white Sistem Air

ARTICLE	PRODUCT DESCRIPTION	Packaging pc
1401.0	Fixing for pipe 2" white Sistem Air	20

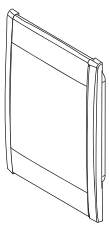


Pipe cap 2" white Sistem Air

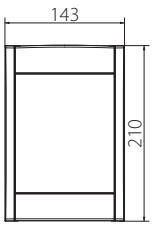
ARTICLE	PRODUCT DESCRIPTION	Packaging pc
5051.1	Pipe cap 2" white Sistem Air	8

Retraflex cover

	ARTICLE	PRODUCT DESCRIPTION	Packaging pc
	1490.0	White cover for Retraflex inlet	1
	1490.1	Black cover for Retraflex inlet	1
	1490.2	Aluminum cover for Retraflex inlet	1
	1490.2	Antique cover for Retraflex inlet	1







NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

RETRAFLEX COMPLETE KITS

Sistem Air accessories are supplied in single packs and are suitable for domestic and professional use.

RETRAFLEX ACCESSORY KIT			
ARTICLE **7232.9** **7232.12** **7232.15**	(with 9 m flexible hose) ((with 12 m flexible hose) (with 15 m flexible hose)		
	Article	Description	Q.ty
	**7041.1**	Accessory holder 4 pcs	1
	**-**	Flexible hose	1
	**7039.5**	Handle	1
	**7040.1**	Telescopic chromed extension	1
	**7047.1**	Floor brush 30 cm	1
	**7043.0**	Dust brush	1
	**7045.0**	Nozzle corner	1

RETRAFLEX ACCESSORY KIT (flexible with socket)			
ARTICLE **7232.9P** **7232.12P** **7232.15P**	(with 9 m flexible hose with socket) (with 12 m flexible hose with socket) (with 15 m flexible hose with socket)		
	Article	Description	Q.ty
	**7041.1**	Accessory holder 4 pcs	1
	**-**	Flexible hose with socket	1
	**7039.5**	Handle	1
	**7040.1**	Telescopic chromed extension	1
	**7047.1**	Floor brush 30 cm	1
	**7043.0**	Dust brush	1
	**7045.0**	Nozzle corner	1

SPECIAL ACCESSORIES FOR RETRAFLEX



Flexible hose Ø 32

Article	Colour	Material	Length m	Packaging Pc
7237.9	Silver	Plastic	9	1
7237.12	Silver	Plastic	12	1
7237.15	Silver	Plastic	15	1



Retraflex plastic handle

Article	Colour	Material	Packaging Pc
7039.5	Grey	Plastic	1



Flexible hose Ø 32 with socket

Article	Colour	Material	Length m	Packaging Pc
7237.9P	Silver	Plastic/Wool	9	1
7237.12P	Silver	Plastic/Wool	12	1
7237.15P	Silver	Plastic/Wool	15	1

SISTEM TECH FLISY FOR RETRAFLEX



Sistem Tech Flisy

Article	Colour	Material	Packaging Pc
7039.4W	-	Plastic	1



Sistem Tech Flisy receiver

Article	Material	Packaging Pc
3301.12	-	1

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

Sistem Air vacuum inlets are efficient, elegant and strong in every application







Sistem Air installation material allows the construction of systems suitable for different installation requirements, always granting the best performance of the installed vacuum units.

INSTALLATION MATERIAL

INSTALLATION BASICS	**198**
INSTALLATION MATERIAL	**204**
INSTALLATION KITS	**216**
METAL INSTALLATION MATERIAL	**220**

INSTALLATION BASICS

INSTALLATION BASICS

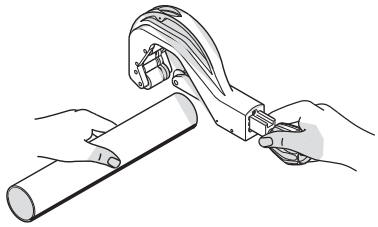
Sistem Air pipes are made in self-extinguishing PVC that grants the perfect coupling between connections and pipes.
In particular, pipes are:
self-extinguishing, antistatic, calibrated with thicknesses ranging from 2.2 mm for Ø 50 mm pipe, and 3 mm for Ø 63/80/100 mm.

Our pipes are glue-connecting with a special cold-welding glue.
Its particular technical characteristics guarantee a perfect seal of the glued components.

Arranging and installing the pipe network in the proper way grants the correct working of the system, meaning this is the most important phase in obtaining the perfect working of the central vacuum system.
We recommend all installers closely respect the indications below, in order to simplify the pipe network installation and obtain the perfect system operation, keeping the performance unchanged over time.

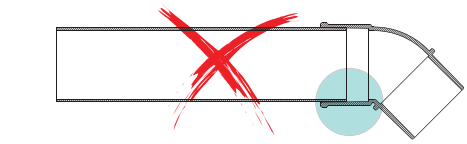
PIPE CUTTING AND CORRECT CONNECTION ASSEMBLY

In order to obtain the right pipe cut, use only the pipe-cutter tool, see page 248.

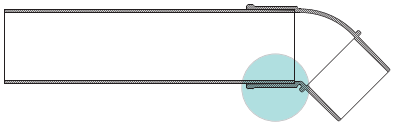


RIGHT tool

Pipes must always be correctly positioned: they must always be matched with the connection stop.



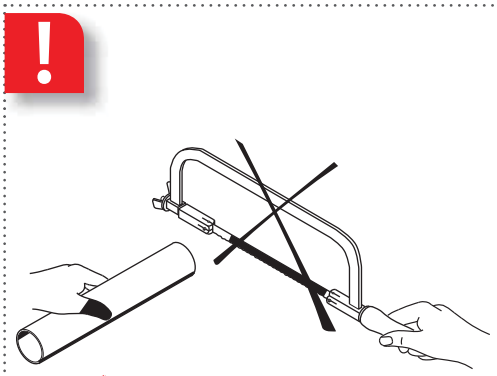
CORRECT cut and WRONG positioning



CORRECT cut and CURRENT positioning

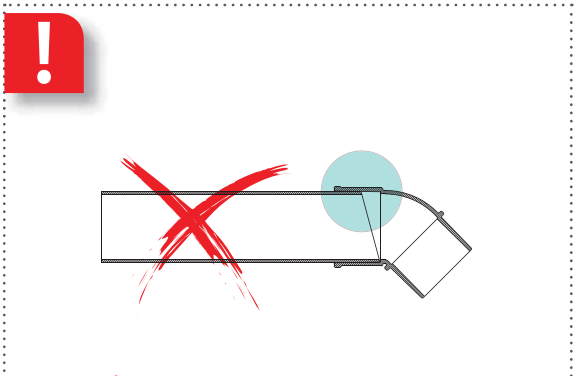
WRONG PIPE CUT EXAMPLES

Wrong cut tools



WRONG tool

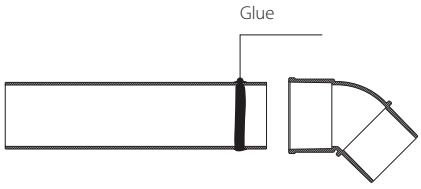
Example of cut made with the wrong tools.



WRONG installation

PIPE AND CONNECTION GLUEING

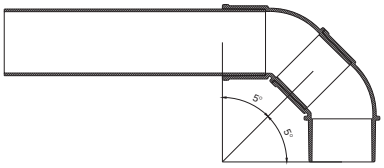
The phase of pipe and connection gluing is the most delicate of the central vacuum system, because, if not carried out correctly, it can generate system pressure loss, causing sedimentation of the vacuumed product inside the chased pipes.
The correct action is to spread the glue only on the pipe or on the male connection.
In this way, when the piping is fitted to the connector, any excess glue will overflow creating an extra hold ring.
If the operation is carried out in reverse order, that is spreading the glue on the female part of the connector, the excess glue will drip inside the pipe.



RIGHT installation

RADIUS OF CURVATURE

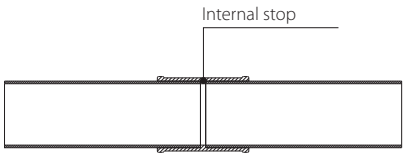
The radius of curvature of the pipe network that has been installed externally or chased, must be done with 45° connectors that ensure air movement with the least possible effort, e.g. a 90° curve can be made in two different ways, the first one with a male female and female female curve connector; the second with a female female curve connector, a small piece of pipe and another female female
curve connector.
The fewer curve connectors installed in the system, the greater is the speed of the vacuumed air, with better final performance of the central vacuum system.



CORRECT installation

LINEAR CONNECTION OF THE PIPE

The pipe connection must be made with the appropriate double stop sleeve connection. The stop, present in all Sistem Air fittings, is the element that grants the perfect fit between pipes and connections.
In order for pipes to make a perfect stop with connections, without steps inside the pipes, the cut MUST BE DONE with the appropriate pipe cutter. This will ensure an exact, linear cut without burrs.

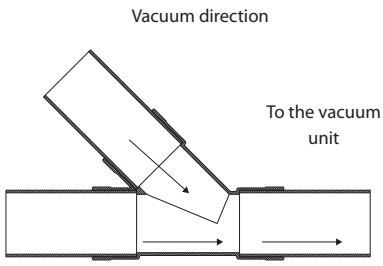


CORRECT installation

INSTALLATION BASICS

VACUUM DIRECTION

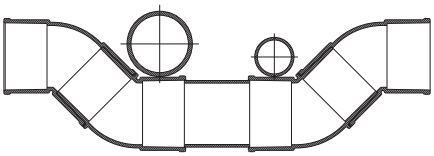
For multi vacuum inlet branching, use the female female 45° derivation connectors, or male female 45° derivation. This connector is used both for the derivation of a vacuum inlet on the same floor and for the construction of rising pipes on buildings with several floors.
It is essential that the derivation is always correctly installed in relation to the system's vacuum direction (see figure).
The wrong installation of the derivation will inevitably provoke system obstruction.



CORRECT installation

SPECIAL SITUATIONS

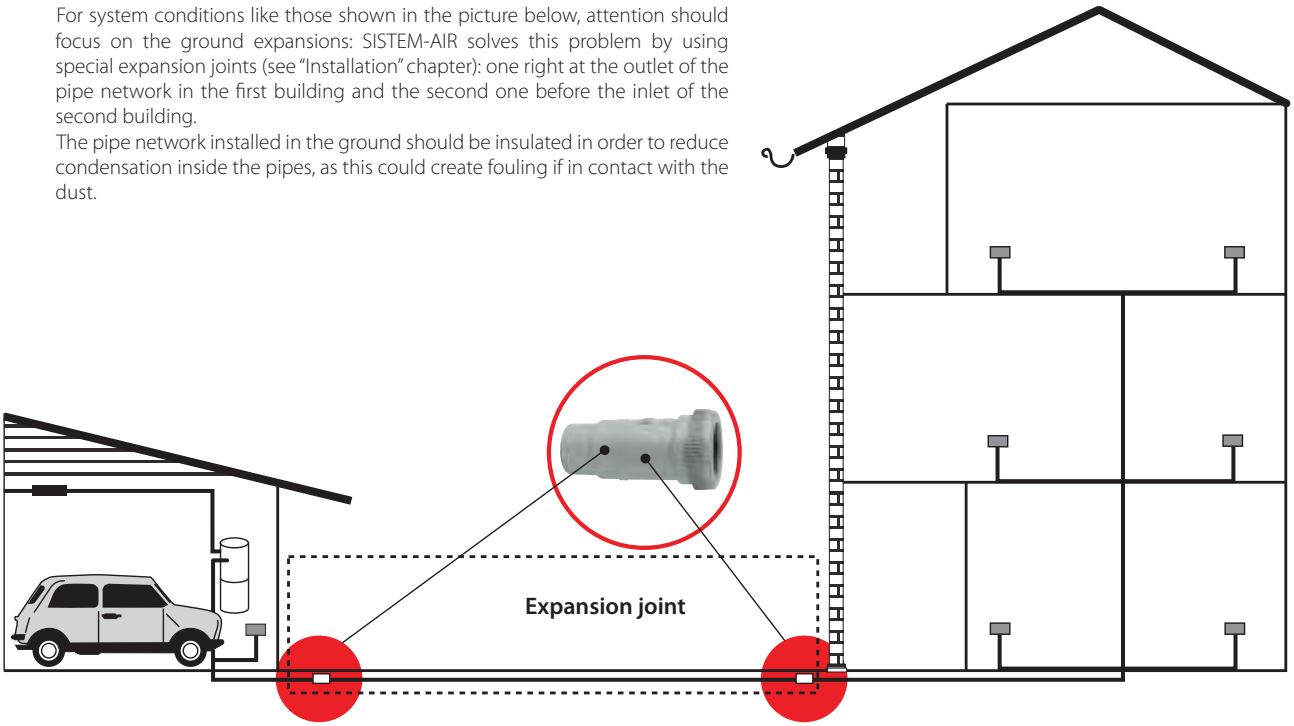
During installation you may encounter obstacles that cannot be overcome, because the foundation is not properly levelled: this problem can be resolved with a so-called underground passage. The underground passage should be made with a male female 45° curve connector, a female female 45° connector, a small piece of pipe, another male female 45° elbow connector and another female female 45° elbow connector. This operation should be carried out as little as possible on the same system, as it produces a considerable strain on the speed of the vacuumed air.



CORRECT installation

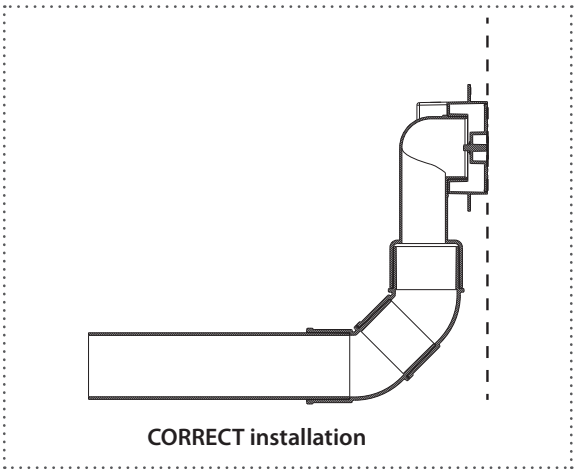
EXPANSION JOINT

For system conditions like those shown in the picture below, attention should focus on the ground expansions: SISTEM-AIR solves this problem by using special expansion joints (see "Installation" chapter): one right at the outlet of the pipe network in the first building and the second one before the inlet of the second building.
The pipe network installed in the ground should be insulated in order to reduce condensation inside the pipes, as this could create fouling if in contact with the dust.



UNIVERSAL MOUNTING PLATE WITH ELBOW CONNECTOR

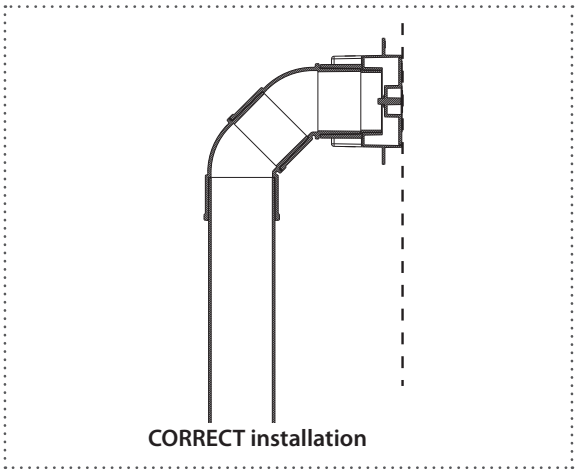
The universal mounting plate with elbow connector, 7 cm thick only, can be installed in any kind of wall.
The mounting plate has a rotating elbow connector to enable fixing to the connection at any point.
IMPORTANT: the mounting plate must always be flush wall-mounted.



CORRECT installation

UNIVERSAL MOUNTINGPLATE WITH STRAIGHT CONNECTOR

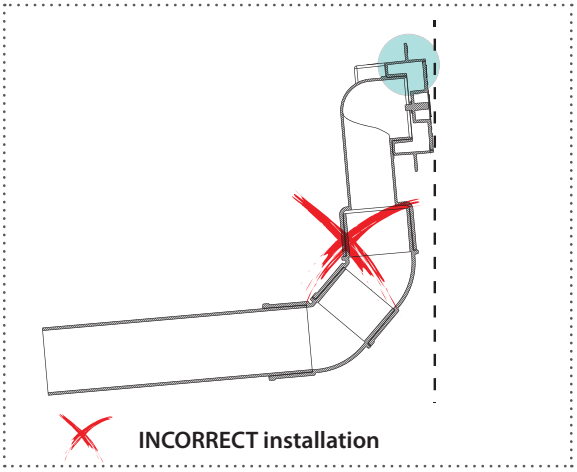
The universal mounting plate with straight connector is suitable for all particular situations (renovations, counter walls, movable walls etc.).
IMPORTANT: the mounting plate must always be flush wall-mounted.



CORRECT installation

MOUNTING PLATE WITH ELBOW CONNECTOR FIXING

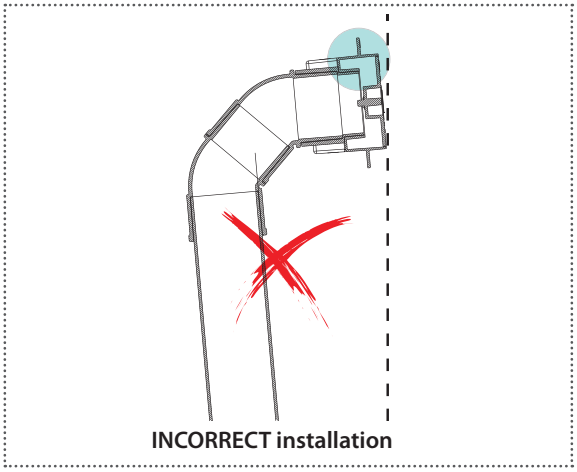
Fixing the mounting plate with elbow connector to the wall or outside requires maximum precision so that, when the vacuum inlet is installed, the holding elements adhere perfectly.
It is very important that the mounting plate box is perfectly flush wall-mounted.



INCORRECT installation

MOUNTING PLATE WITH STRAIGHT CONNECTOR FIXING

Fixing the mounting plate with straight connector to the wall, or outside requires maximum precision so that when the vacuum inlet is installed, the holding elements adhere perfectly.
It is very important that the mounting plate box is perfectly flush wall-mounted.

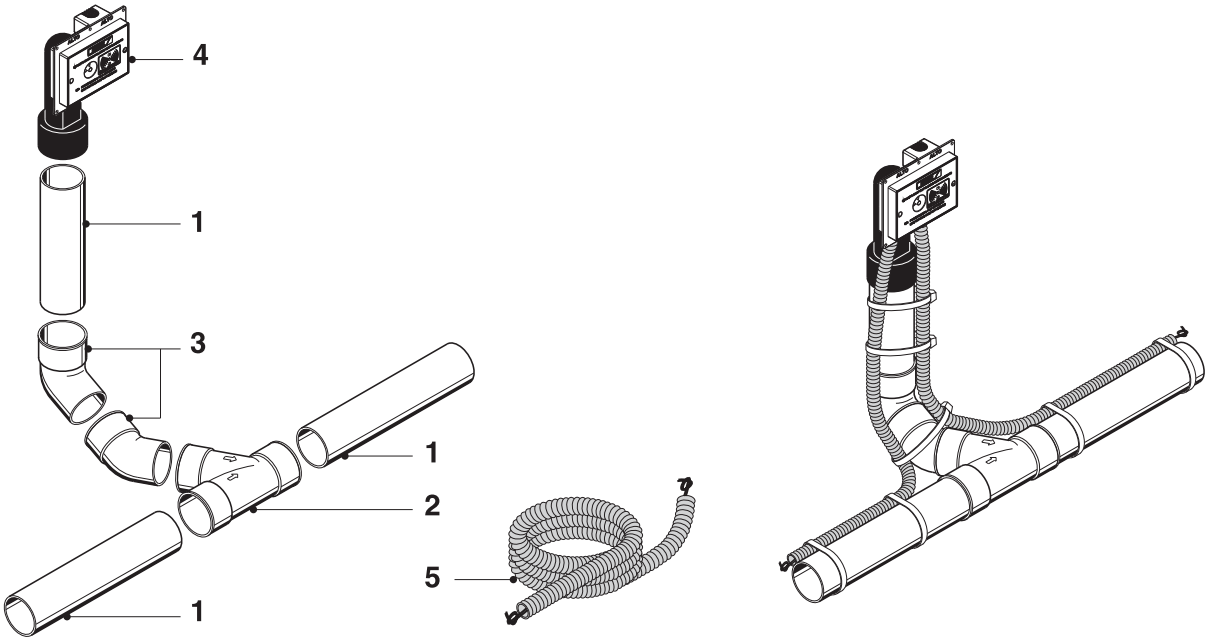


INCORRECT installation

INSTALLATION BASICS

EXAMPLE OF BASIC CONNECTIONS

Example of basic connection for single vacuum inlet installation.



	ARTICLE	Product description
1	**1850.0**	PVC pipe 2,2 mm Ø 50
2	**4050.1**	45° FFF PVC derivation Ø 50
3	**3050.0**	45° MF PVC elbow connector Ø 50
4	**1450.0**	Standard mounting plate, straight connector with cover
5	**9016.7**	2x1 mm², 25 m pre-wired conduit
5	**9016.0**	2x1 mm², 50 m pre-wired conduit
5	**9016.1**	2x1 mm², 100 m pre-wired conduit

Example of vacuum inlet made according to correct installation standards.



VACUUM INLET ELECTRICAL CONNECTION



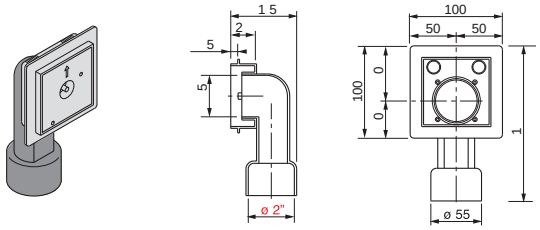


INSTALLATION MATERIAL

INSTALLATION MATERIAL

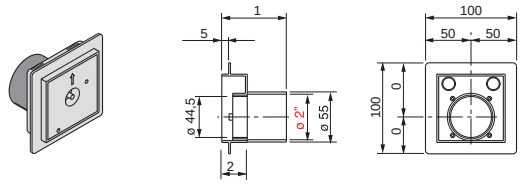
1 - Mounting plates for 2" square vacuum inlets

Ø 2"



SQUARE UNIVERSAL MOUNTING PLATE Ø 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.4E	UNIVERSAL MOUNTING PLATE ELBOW connector, with cover	10

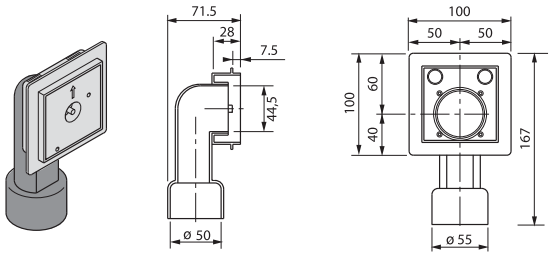


SQUARE UNIVERSAL MOUNTING PLATE Ø 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.5E	UNIVERSAL MOUNTING PLATE STRAIGHT connector, with cover	10

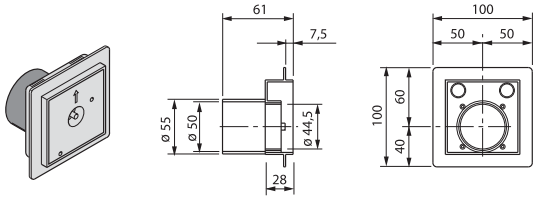
2 - Mounting plates for Ø 50 square vacuum inlets

Ø 50



SQUARE UNIVERSAL MOUNTING PLATE

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.4B	UNIVERSAL MOUNTING PLATE ELBOW connector, with cover	10

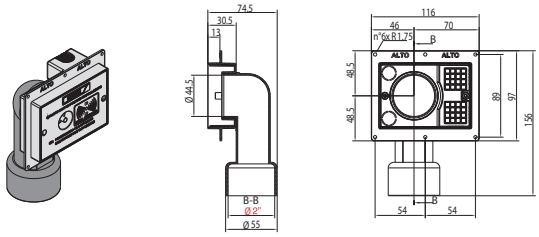


SQUARE UNIVERSAL MOUNTING PLATE

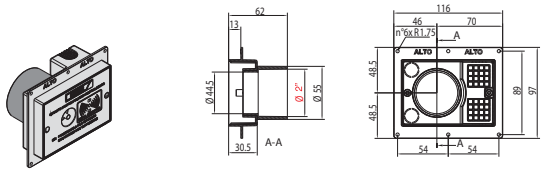
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.5B	UNIVERSAL MOUNTING PLATE STRAIGHT connector, with cover	10

Ø 2"

3 - Mounting plates for 2" rectangular vacuum inlets



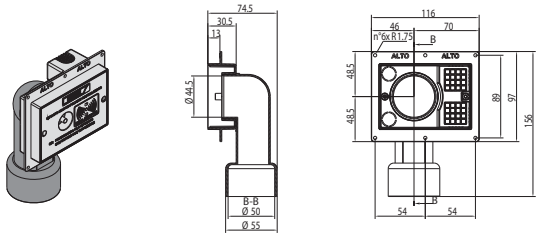
RECTANGULAR UNIVERSAL MOUNTING PLATE Ø 2		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.0E	UNIVERSAL MOUNTING PLATE ELBOW connector, with cover	10



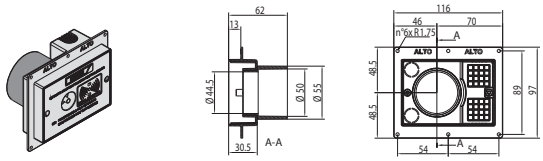
RECTANGULAR UNIVERSAL MOUNTING PLATE Ø 2"		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.1E	UNIVERSAL MOUNTING PLATE STRAIGHT connector, with cover	10

Ø 50

4 - Mounting plates for Ø 50 rectangular vacuum inlets

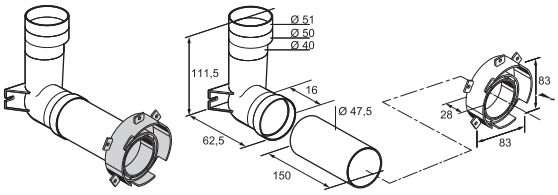


RECTANGULAR UNIVERSAL MOUNTING PLATE Ø 50		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.0	UNIVERSAL MOUNTING PLATE ELBOW connector, with cover	10



RECTANGULAR UNIVERSAL MOUNTING PLATE Ø 2"		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.1	UNIVERSAL MOUNTING PLATE STRAIGHT connector, with cover	10

5 - Adjustable mounting plate for plasterboard



ADJUSTABLE MOUNTING PLATE FOR PLASTERBOARD (square vacuum inlets)		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.4C	MOUNTING PLATE FOR PLASTERBOARD Square vacuum inlets	1

N.B.: universal mounting plates suitable for pipes Ø 40/50/2"

INSTALLATION MATERIAL

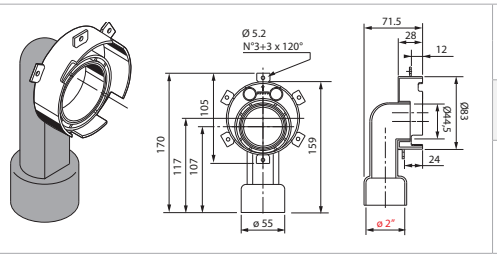
INSTALLATION MATERIAL

ROUND BUILT-IN MOUNTING PLATES FOR PLASTERBOARD OR WOOD WALLS

Round built-in mounting plates can only be used with square vacuum inlets and they have been studied to be installed on plasterboard walls with a thickness of 12 or 24 mm.
All models are arranged with notches for the pre-wired conduit.
N.B. Mounting plates suitable for use with Ø 50 pipes.

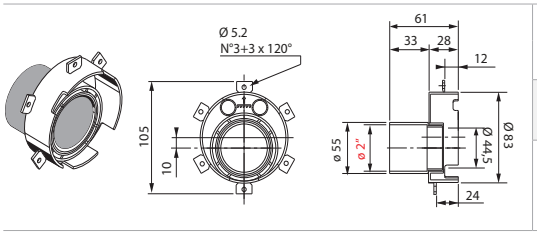
Ø 2"

1 - Universal mounting plates Ø 2"



UNIVERSAL MOUNTING PLATE

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.14	UNIVERSAL MOUNTING PLATE Elbow connector for square inlets	10

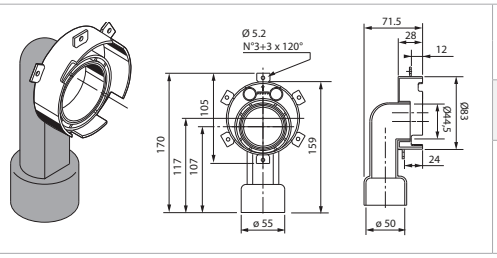


UNIVERSAL MOUNTING PLATE

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.15	UNIVERSAL MOUNTING PLATE Straight connector for square inlets	10

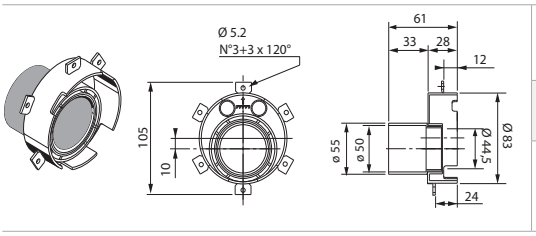
Ø 50

2 - Universal mounting plates Ø 50



UNIVERSAL MOUNTING PLATE

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.13	UNIVERSAL MOUNTING PLATE Elbow connector for square inlets	10

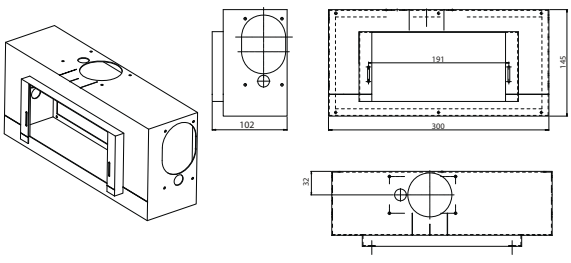


CONTROPRESA UNIVERSALE

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.12	UNIVERSAL MOUNTING PLATE Straight connector for square inlets	10

BUILT-IN MOUNTING PLATE FOR WALL INSTALLATION OF VACPAN

Thanks to the built-in vacpan art. 1450.16 it is possible to install vacpan inlets in the walls too.



BUILT-IN MOUNTING PLATE FOR WALL INSTALLATION OF VACPAN

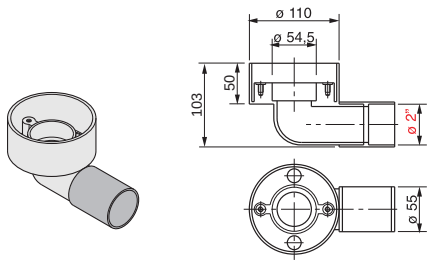
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.16	STEEL MOUNTING PLATE for vacpan inlet	1

BUILT-IN MOUNTING PLATES FOR FLOOR VACUUM INLETS

Built-in mounting plates for floor vacuum inlets are made to last over time and withstand heavy loads. They are made in aluminum, for this reason they are resistant to atmospheric agents, and their sturdiness makes them safe and reliable.

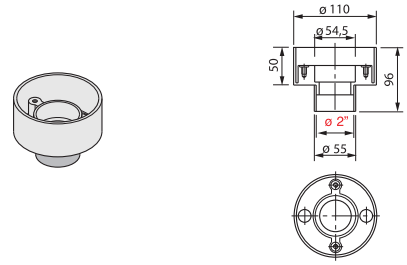
Ø 2"

1 - Floor mounting plates Ø 2"



FLOOR MOUNTING PLATES Ø 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.2E	ELBOW CONNECTOR MOUNTING PLATE	1

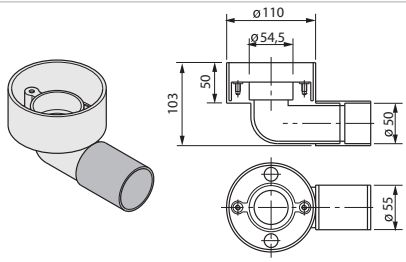


UNIVERSAL SQUARE MOUNTING PLATES Ø 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.3E	STRAIGHT CONNECTOR MOUNTING PLATE	1

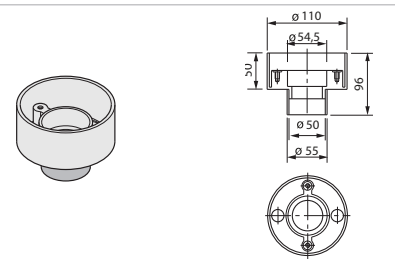
Ø 50

2 - Floor mounting plates Ø 50



FLOOR MOUNTING PLATES

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.2	ELBOW CONNECTOR MOUNTING PLATE	1

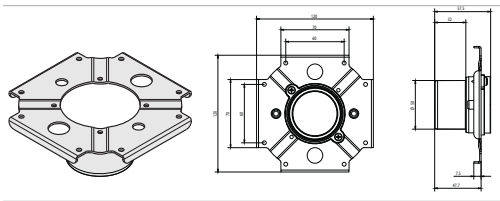


CONTROPRESA A PAVIMENTO

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.3	STRAIGHT CONNECTOR MOUNTING PLATE	1

FIXING SUPPORT FOR FLOOR INLETS ON FLOATING FLOORS

Enables installation of floor inlets directly on floating floor tiles, without the mounting plate.



FLOOR ADAPTER

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.23	Floating floor adapter	1

INSTALLATION MATERIAL

EXTENSION KIT FOR MOUNTING PLATE

The mounting plate extension kit represents a real innovation in the sector. Thanks to this innovation, it is possible to extend the wall box by multiples of a centimeter without size limits: the flat inlayed box ensures simple installation and a perfect grip of the vacuum inlet.

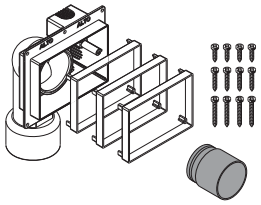
N.B. Each extension kit is fitted with 3x1 cm frames, a 3cm inlet valve extension and a pack of screws.
Frames can be added until the required measurement has been reached.





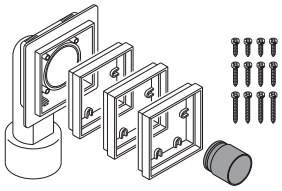
3 CM EXTENSION

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1457.1	Extension for domestic sector vacuum inlets	5



3 CM EXTENSION KIT

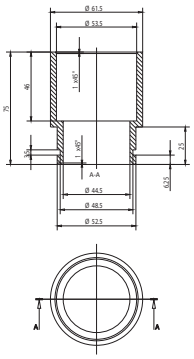
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.8	Extension kit for rectangular mounting plate	10



3 CM EXTENSION KIT

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1450.9	Extension kit for square mounting plate	10





FLOOR INLETS EXTENSION

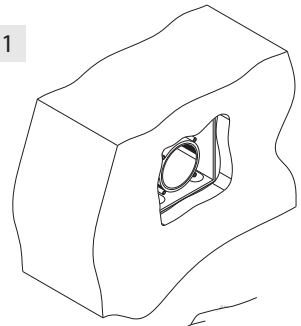
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs.
1457.2	Extension for floor inlets	1

INSTRUCTIONS for EXTENSION TOOLS

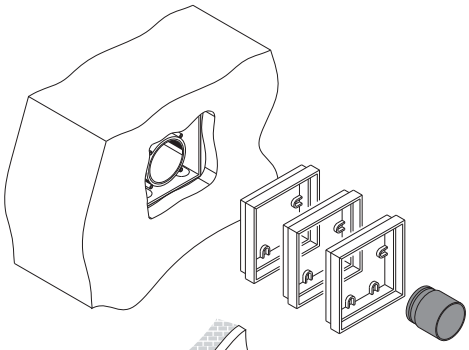
1 - art. 1450.8 Mounting plate extension kit (art. 1450.0 e 1450.1)

The extension kit for rectangular mounting plate allows correction in situations where the mounting plate is set back from the edge of the plaster. With the extension sleeve, the seal is restored, while the 3 modular frames allow restoration of masonry around the vacuum inlet, allowing fix in the right position. Extension kits can be added to each other until the required size.

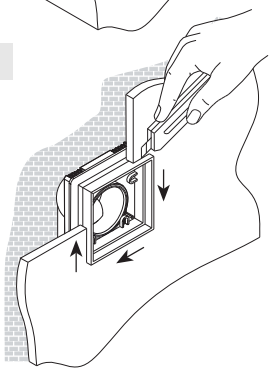
1



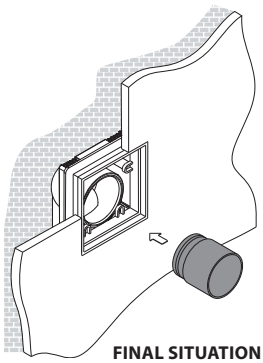
2



3



4



FINAL SITUATION

1 The mounting plate is walled back from the level of the wall and the masonry is uneven.

2 Use the extension frames (the appropriate quantity) to restore a regular surface for the inlet fixing.

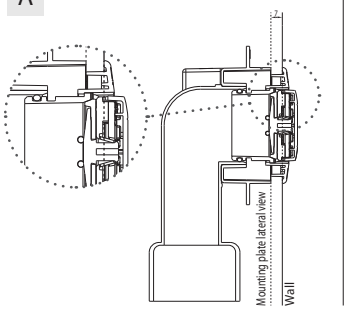
3 Cut the excess frame if necessary.

4 Insert the sleeve extension by following the instructions below.

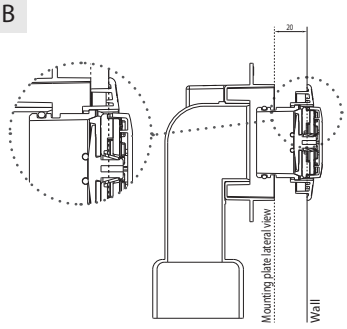
2 - art. 1457.1 Extension for all domestic vacuum inlets

The extension mounting plate allows correction of situations where the mounting plate is set back from the edge of the plaster, but it is not necessary to restore the surface where the vacuum inlet is installed (e.g. cover panels, furniture, etc.). Extensions allow restoration of the seal, and they can be added to each other until the required size.

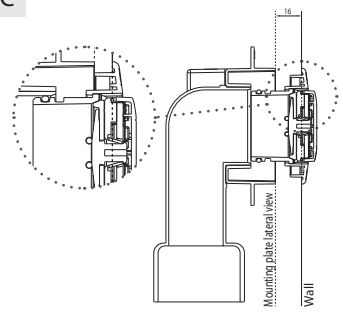
A



B



C

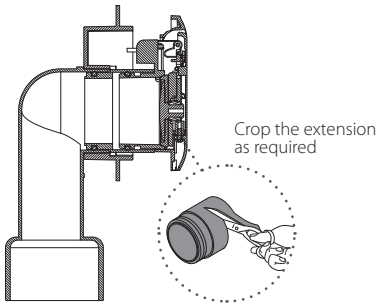


A: the mounting plate is set back from the edge of the plaster up to 7 mm:
EXTENSION IS NOT REQUIRED (ART. 1457.1)

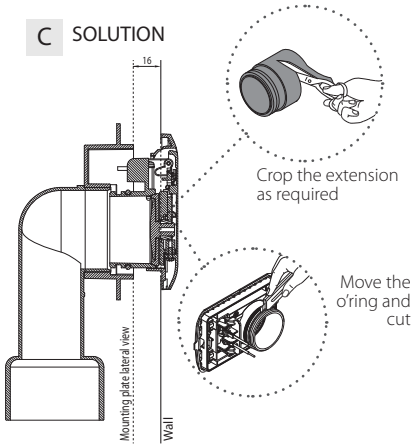
B: the mounting plate is set back from the edge of the plaster more than 16 mm:
EXTENSION IS REQUIRED (it can be shortened as necessary)

C: the mounting plate is set back from the edge of the plaster between 16-18 mm:
THE VACUUM INLET MUST BE SHORTENED, MOVING THE O'RING ON THE INTERNAL POSITION AND USING THE EXTENSION (it can be shortened as necessary)

B SOLUTION



C SOLUTION



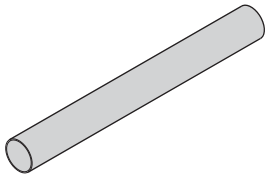
INSTALLATION MATERIAL

Ø 50

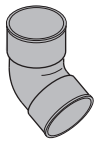
INSTALLATION MATERIAL

Rigid PVC pipe and connectors especially designed for central vacuum systems
In order to create a perfect fit between the pipes and connectors; only 45° connectors are provided to allow for the best airflow possible, avoiding possibility of system blockage.

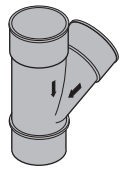
NB: It is extremely important that the rigid PVC piping is cut using the appropriate tool (pipe cutter) and that the hold between the joints is guaranteed by using abundant special SISTEM-AIR glue, spreading it on the male and never on the female connector.



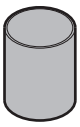
	PVC PIPE		
DIAMETER	ARTICLE	Product description	Packaging m
40 mm	**1840.0**	Pipe in PVC ø 40 2,2 mm thick (1 m bars)	20
50 mm	**1850.0**	Pipe in PVC ø 50 2,2 mm thick (2 m bars)	20
63 mm	**1863.0**	Pipe in PVC ø 63 3 mm thick (2 m bars)	20
80 mm	**1880.0**	Pipe in PVC ø 80 3 mm thick (2 m bars)	10
100 mm	**1810.0**	Pipe in PVC ø 100 3 mm thick (2 m bars)	10



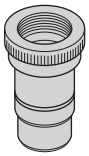
	PVC 45° ELBOWS		
DIAMETER	ARTICLE	Product description	Packaging pcs.
40 mm	**3040.0**	PVC 45° elbow male/female Ø 40	100
	3040.1	PVC 45° elbow female/female Ø 40	100
50 mm	**3050.0**	PVC 45° elbow male/female Ø 50	60
	3050.1	PVC 45° elbow female/female Ø 50	60
63 mm	**3063.0**	PVC 45° elbow male/female Ø 63	30
	3063.1	PVC 45° elbow female/female Ø 63	30
80 mm	**3080.0**	PVC 45° elbow male/female Ø 80	1
	3080.1	PVC 45° elbow female/female Ø 80	1
100 mm	**3010.0**	PVC 45° elbow male/female Ø 100	1
	3010.1	PVC 45° elbow female/female Ø 100	1



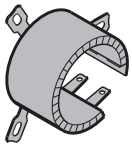
	PVC 45° DERIVATION		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
40 mm	**4040.1**	PVC 45° derivation female/female Ø 40	50
50 mm	**4050.0**	PVC 45° derivation male/female Ø 50	20
	4050.1	PVC 45° derivation female/female Ø 50	20
63 mm	**4063.0**	PVC 45° derivation male/female Ø 63	15
	4063.1	PVC 45° derivation female/female Ø 63	15
80 mm	**4080.0**	PVC 45° derivation male/female Ø 80	1
	4080.1	PVC 45° derivation female/female Ø 80	1
100 mm	**4010.0**	PVC 45° derivation male/female Ø 100	1
	4010.1	PVC 45° derivation female/female Ø 100	1



	PVC SLEEVES FOR LINEAR JUNCTIONS		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
40 mm	**1140.1**	PVC sleeve with shutter Ø 40	120
50 mm	**1150.1**	PVC sleeve with shutter Ø 50	100
63 mm	**1163.1**	PVC sleeve with shutter Ø 63	40
80 mm	**1180.1**	PVC sleeve with shutter Ø 80	1
100 mm	**1110.1**	PVC sleeve with shutter Ø 100	1



	PVC expansion joints		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**5050.0**	PVC expansion joint Ø 50	1
63 mm	**5050.2**	PVC expansion joint Ø 63	1



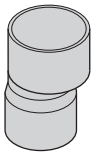
	FIRE STOP COUPLINGS		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**1150.3**	Fire stop coupling Ø 50	1
63 mm	**1163.2**	Fire stop coupling Ø 63	1
80 mm	**1180.2**	Fire stop coupling Ø 80	1
100 mm	**1110.2**	Fire stop coupling Ø 100	1

INSTALLATION MATERIAL

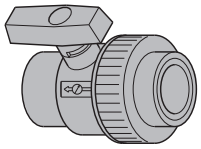
Ø 50



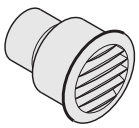
	PVC PLUG FOR INSPECTION		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**5050.1**	PVC plug for inspection Ø 50	1
63 mm	**6063.1**	PVC plug for inspection Ø 63	1
80 mm	**8080.1**	PVC plug for inspection Ø 80	1
100 mm	**1010.1**	PVC plug for inspection Ø 100	1



	PVC ECCENTRIC EXTENSION		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
40/50 mm	**5040.1**	PVC eccentric extension Ø 40/50 black	1
50/63 mm	**6063.3**	PVC eccentric extension Ø 50/63	1
63/80 mm	**8080.3**	PVC eccentric extension Ø 63/80	1
80/100 mm	**1010.3**	PVC eccentric extension Ø 80/100	1



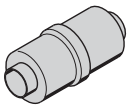
	PVC BALL VALVE FOR MANUAL SECTION		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**2050.0**	PVC ball valve for manual section Ø 50	1
63 mm	**2050.1**	PVC ball valve for manual section Ø 63	1
80 mm	**2050.2**	PVC ball valve for manual section Ø 80	1
100 mm	**2050.3**	PVC ball valve for manual section Ø 100	1



	PVC VENT GRID		
DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**5050.4**	PVC vent grid Ø 50	1
63 mm	**5063.4**	PVC vent grid Ø 63	1



PLUG TO TEST DOMESTIC SYSTEMS		
ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
5050.5	Plug to Test domestic systems	5



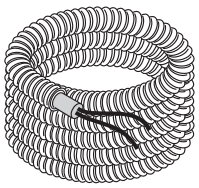
SILENCER

DIAMETER	ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
50 mm	**110001**	PVC universal silencer Ø 50	1
63 mm	**110002**	PVC universal silencer Ø 63	1



SPECIAL GLUE FOR PVC

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
9225.1	Special glue gr 250 with brush	5
9225.2	Special glue gr 500 with brush	5
9500.0	Special glue gr 500 without brush	4

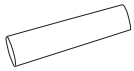


PREWIRED CABLE 2X1 mm^2

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
9016.0	Prewired cable mm^2 2X1 (50 m)	1
9016.1	Prewired cable mm^2 2X1 (100 m)	1
9016.7	Prewired cable mm^2 2X1 (25 m)	1

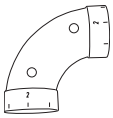
2" INSTALLATION MATERIAL

Ø 2"



PVC PIPE Ø 2" (2 M BARS) 1,4 MM THICK

ARTICLE	PRODUCT DESCRIPTION	Packaging m
1851.0	PVC pipe Ø 2" (2 m bars) 1,4 mm thick	20



PVC LARGE ELBOW 90° 2"WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
3051.4	PVC large elbow 90°MF 2"white	1
3051.5	PVC large elbow 90°FF 2"white	1



PVC ELBOW 45° 2"WHITE SISTEM AIR

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
3051.1	PVC elbow 45° FF 2" white	1
3051.0	PVC elbow 45° MF 2" white	1



ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
3051.3	PVC narrow elbow 90° FF 2" white	1



PVC WYE FFF 2"WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
4051.0	PVC wye FFF 2" white	1



PVC WYE 90° FFF 2"WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
4051.1	PVC wye 90° FFF 2" white	1



PVC WYE 45° FFF 2" WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
4051.2	PVC WYE 45° FFF 2" WHITE	1



PVC SLEEVE WHITE 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
1151.1	PVC sleeve white 2"	1



PIPE CAP 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
5051.1	Pipe cap 2"	1



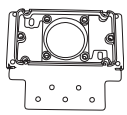
PVC SILENCER WHITE 2"

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
110003	PVC silencer white 2"	1



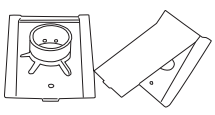
FIXING FOR PIPE 2" WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
1401.0	Fixing for pipe 2" white	1



2" MOUNTING PLATE FOR VACUUM INLET WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
1450.51	2" mounting plate for vacuum inlet	1



VACUUM NLET 2" WHITE

ARTICLE	PRODUCT DESCRIPTION	Packaging pcs.
1550.51	Vacuum nlet 2" white	1

INSTALLATION MATERIAL

Ø 40 INSTALLATION KITS

The installation kit includes everything needed to make a central vacuum system arrangement.
Installation kits can be combined in order to obtain the number of vacuum inlets required.

N.B. The installation kit is made to simplify the purchase of installation material as much as possible. For installations in buildings with standard layout, it is possible to have all the material required with the certainty of being able to complete the pipe network without further additional installation material.

Notice
Installations kits include only the installation material because vacuum inlets are part of the completion of the system, therefore they should be selected from the appropriate section of the catalogue.

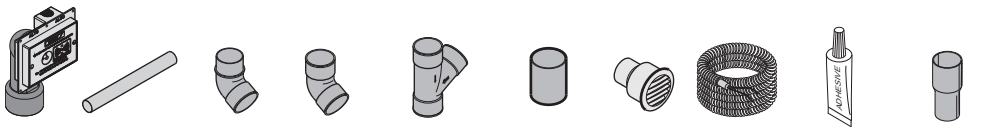


Ø 40 INSTALLATION KITS

Ø 40

1 - Ø 40 INSTALLATION KITS with rectangular mounting plates (art. 1450.0)

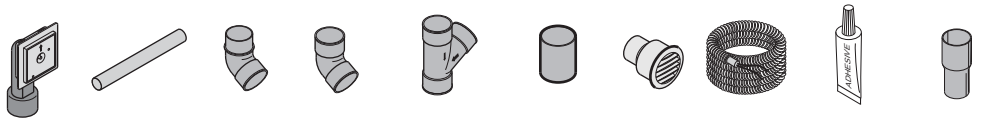




Article	Vacuum inlets N.	EC Mounting plate pcs	PVC pipe m	M/F elbow pcs	F/F elbow pcs	FF Derivation pcs	Sleeve pcs	Air vent pcs	Pre-wired conduit m.	Special glue pcs	Extension 40/50
Art. 1450.0											
Art. 1840.0											
Art. 3040.0											
Art. 3040.1											
Art. 4040.1											
Art. 1140.1											
Art. 5050.4											
Art. 9225.1											
Art. 5040.1											
7030.01	1	1	10	5	7	-	5	1	12,5	1	2
7030.02	2	2	15	10	14	1	10	1	25	2	3
7030.03	3	3	20	15	21	2	15	1	25	3	4

2 - Ø 40 INSTALLATION KITS with square mounting plates (art. 1450.4B)





Article	Vacuum inlets N.	EC Mounting plate pcs	PVC pipe m	M/F elbow pcs	F/F elbow pcs	FF Derivation pcs	Sleeve pcs	Air vent pcs	Pre-wired conduit m.	Special glue pcs	Extension 40/50
Art. 1450.4B											
Art. 1840.0											
Art. 3040.0											
Art. 3040.1											
Art. 4040.1											
Art. 1140.1											
Art. 5050.4											
Art. 9225.1											
Art. 5040.1											
7030.01E	1	1	10	5	7	-	5	1	12,5	1	2
7030.02E	2	2	15	10	14	1	10	1	25	1	3
7030.03E	3	3	20	15	21	2	15	1	25	1	4

* N.B. Sistem Air recommends using Ø 40 installation material for single level installations, max. 120 square meters.

Ø 50 INSTALLATION KITS

The installation kit includes everything needed to set up a central vacuum system.
Installation kits can be combined in order to obtain the number of vacuum inlets required.
(Example: an installation with 8 vacuum inlets can be made adding N. 1 kit with 3 vacuum inlets + N. 1 kit with 5 vacuum inlets; or it is possible to use N. 2 kits with 4 vacuum inlets).
The material list contained in the kit can be checked in the tables below.

N.B. The installation kit is made to simplify the purchase of installation material as much as possible. For installations in buildings with standard layout, it is possible to have all the material required with the certainty of being able to complete the pipe network without further additional installation material.

Notice
Installation kits only include the installation material because the vacuum inlets are part of the completion of the system, therefore they should be selected from the appropriate section of the catalogue.



Ø 50 INSTALLATION KITS

Ø 50

1 - Ø 50 INSTALLATION KITS with rectangular mounting plates (art. 1450.0)



Art. **1450.0** | Art. **1850.0** | Art. **3050.0** | Art. **3050.1** | Art. **4050.1** | Art. **1150.1** | Art. **5050.4** | Art. **9225.1**



Article	Vacuum inlets N.	EC Mounting plate pcs	PVC pipe m	M/F elbow pcs	F/F elbow pcs	FF Derivation pcs	Sleeve pcs	Air vent pcs	Pre-wired conduit m.	Special glue pcs
7030.3	3	3	20	9	12	3	9	1	25	1
7030.4	4	4	28	12	16	4	12	1	37,5	1
7030.5	5	5	36	15	20	5	15	1	50	1

2 - Ø 50 INSTALLATION KITS with square mounting plates (art. 1450.4B)



Art. **1450.4B** | Art. **1850.0** | Art. **3050.0** | Art. **3050.1** | Art. **4050.1** | Art. **1150.1** | Art. **5050.4** | Art. **9225.1**



Article	Vacuum inlets N.	EC Mounting plate pcs	PVC pipe m	M/F elbow pcs	F/F elbow pcs	FF Derivation pcs	Sleeve pcs	Air vent pcs	Pre-wired conduit m.	Special glue pcs
7030.3E	3	3	20	9	12	3	9	1	25	1
7030.4E	4	4	28	12	16	4	12	1	37,5	1
7030.5E	5	5	36	15	20	5	15	1	50	1

2" INSTALLATION MATERIAL

Ø 2"

2" INSTALLATION KITS

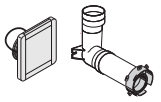
The installation kit includes everything needed to make a central vacuum system arrangement.
Installation kits can be combined in order to obtain the number of vacuum inlets required.
(Example: an installation with 8 vacuum inlets can be made adding N. 1 kit with 3 vacuum inlets + N. 1 kit with 5 vacuum inlets; or it is possible to use N. 2 kits with 4 vacuum inlets).
The material list contained in the kit can be checked in the tables below.

N.B. The installation kit is made to simplify the purchase of installation material as much as possible. For installations in buildings with standard layout, it is possible to have all the material required with the certainty of being able to complete the pipe network without further additional installation material.

Notice
Installation kits include only the installation material because the vacuum inlets are part of the completion of the system, therefore they should be selected from the appropriate section of the catalogue.



2 - Ø 2" INSTALLATION KITS with square mounting plates (art. 1550.51)

Art. 1464.0B	Art. 1450.4C	Art. 3051.3	Art. 1851.0	Art. 1401.0	Art. 3051.1	Art. 3051.0	Art. 3051.5	Art. 3051.4	Art. 4051.1	Art. 1450.51	Art. 5050.4	Art. -	Art. 9225.1
													

Article	Square inlet white pcs	Backplate white 2" pcs	Narrow elbow 90° FF 2" white pcs	PVC pipe Ø 2" (2 m bars) 1,4 mm thick m	Fixing for pipe 2" white pcs	PVC elbow 45° FF 2" white pcs	PVC elbow 45° MF 2" white pcs	PVC large elbow 90°FF 2"white pcs	PVC large elbow 90°MF 2"white pcs	PVC wye 90° FFF 2" white pcs	Mounting plate white 2" pcs	PVC vent grid Ø 50 mm pcs	Pre-wired conduit m	Special glue pcs
7051.3	**3**	3	3	20	10	2	2	4	5	3	9	1	25	1
7051.4	**4**	4	4	28	14	3	3	5	7	4	12	1	37,5	1
7051.5	**5**	5	5	36	18	4	4	7	9	5	15	1	50	1

METAL INSTALLATION MATERIAL

The solution for special installations

In case of central vacuum systems for special applications, Sistem Air has a complete line of pipes and connections in metal.
The use of metal fittings is necessary in the following cases:

- Vacuum of highly flammable or explosive materials, which could explode in the pipe network due to sparks generated by the accumulation of static charges formed with air passage in PVC pipes. In order to disperse these charges, a fully conductive earth pipeline connection must be made, thanks to special jointing sleeves which allow the electrical conductivity;
- vacuum of incandescent materials, which could puncture the plastic pipes once they have been vacuumed;
- vacuum of abrasive materials, capable of eroding the plastic pipes, especially in curves;
- Exposed pipework, where there is the need to avoid that the outer walls of the pipe deposit environmental dust attracted by the static charges present .

All zinc coated steel pipes are available **Ø 50,60 and 80 mm.**



The coupling sleeves of the metal fittings have a conductive tab, which once the screws of the sleeve have been tightened, ensures continuity along the pipe.

Example of exposed metal vacuum pipe network.

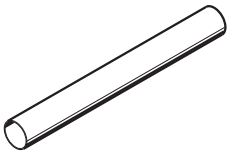


INSTALLATION MATERIAL

METAL INSTALLATION MATERIAL

2 - Zinc-coated installation material

Rigid steel pipes and connections, built to guarantee endurance and electric transmission in all the contexts where these characteristics are essential for correct installation.



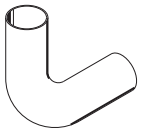
STEEL PIPES

ARTICLE	PRODUCT DESCRIPTION	Packaging m
1850.0F	Steel pipe Ø 50 (2 m bars)	2
1863.0F	Steel pipe Ø 60 (2 m bars)	2
1880.0F	Steel pipe Ø 80 (2 m bars)	2



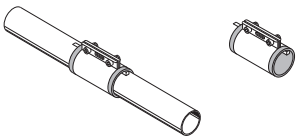
45° STEEL ELBOWS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
3050.1F	Steel elbow 45° M/M Ø 50	1
3063.1F	Steel elbow 45° M/M Ø 60	1
3080.1F	Steel elbow 45° M/M Ø 80	1



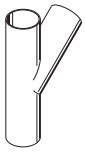
90° STEEL ELBOWS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
3050.0F	Steel elbow 90° M/M Ø 50	1
3063.0F	Steel elbow 90° M/M Ø 60	1
3080.0F	Steel elbow 90° M/M Ø 80	1



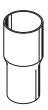
JUNCTION GROUPS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
1150.1F	Steel junction groups Ø 50	5
1163.1F	Steel junction groups Ø 60	5
1180.1F	Steel junction groups Ø 80	5



45° STEEL DERIVATIONS

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
4050.0F	45° steel derivations M/M/M Ø 50	1
4063.0F	45° steel derivations M/M/M Ø 60	1
4080.0F	45° steel derivations M/M/M Ø 80	1



STEEL EXTENSION

ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
6050.0F	Steel extension Ø 50/Ø 60	1
8050.0F	Steel extension Ø 50/Ø 80	1
8060.0F	Steel extension Ø 60/Ø 80	1

ANTISTATIC CLEANING ACCESSORIES

In case of vacuum of materials likely to create an accumulation of static charges, also along the flexible hoses, Sistem Air has a specific hose able to disperse them through a special vacuum inlet with an earth connection. All the flexible components for antistatic cleaning are made of conductive material, in order to allow the passage of static electricity.

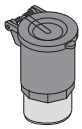


Factory with installation and antistatic accessories



Antistatic vacuum inlet with ground connection

ANTISTATIC CLEANING ACCESSORIES



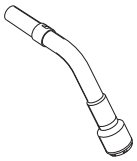
ANTISTATIC INDUSTRIAL VACUUM INLET		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
1556.0A	Antistatic industrial vacuum inlet w/micro Ø 32/40	1



ANTISTATIC FLEXIBLE HOSE Ø 32		
ARTICLE	PRODUCT DESCRIPTION	Packaging m
7037.30A	Antistatic flexible hose Ø 32 (m 30)	30
7037.10AC	Antistatic flexible hose Ø 32 (m 10)	10



ANTISTATIC INLET CONNECTOR Ø 32		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
7038.0A	Antistatic inlet connector Ø 32	1



ANTISTATIC CHROMIUM PLATED HANDGRIP Ø 32		
ARTICLE	PRODUCT DESCRIPTION	Packaging Pcs
7039.0A	Antistatic chromium plated handgrip Ø 32	1

INSTALLATION MATERIAL

INSTALLATION MATERIAL TECHNICAL FEATURES

PVC PIPING

Ø 40/50x2.2 mm, Ø 63x3 mm, Ø 80 x3 mm, Ø 100x3 mm.
PVC piping (non plastic polyvinyl chloride, PVC-U) for air vacuum.
Self-extinguishing piping, cat. 1 according to material classification in the D.M 26.06.1984 (Ministerial Degree) based on ISO 1182, UNI 8457 test methods.
Grey colour.
Compliance with legislation:
Ø 40/50 pipes – Specification based on ex UNI 7443:1985 + F.A. 178:1987
P.I.I.P. certification issued by the Italian Institute of Plastics.
Ø 63-80-100 pipes - UNI EN 1329:2000
P.I.I.P. certification issued by the Italian Institute of Plastics.
Applied compliance label: Piip/c 261.
The SISTEM-AIR rigid pipe with circular section is for use on centralised vacuum systems and for discharge that is not under pressure or compressed ventilation.
Suitable for glued joints.

PVC CONNECTORS

PVC connectors for air vacuum.
The connectors have a calibrated coupling diameter to obtain the best coupling with the pipes.
Available in numerous forms and connections, in Ø 40, Ø 50, Ø 63, Ø 80, Ø100 diameters as well as the numerous accessories.
Colour: grey.
Self-extinguishing.
Fire resistance level: behavioural category according to RSN-M1 legislation
(superior standard quality in the field of plastic fire resistance).

STEEL PIPES AND CONNECTORS

Pipes' thickness: Ø 50x2 mm, Ø 60x1,8 mm.
Material: P02
Characteristics: welded and seamed without internal welding, with deep drawing.

INSTALLATION MATERIAL TECHNICAL FEATURES

PRE-WIRED CONDUIT

Pre-wired, protective, folding insulating conduit.
Grey colour , Ø 16 mm.
CE, IMQ labelling.
IMQ certification.
Complies with the following regulations:
-EN 50086-1:1993
-EN 50086-2-2:1995 +A11:1998
Products conform to the essential requirements found in the B.T.73/23/CEE directive and subsequent changes.
Pipe with C1 base classification. 3422, corrugated, DOES NOT propagate flames.
Further C1 classification. 32-0-010.
Product halogen-free in accordance with:
IEC EN 50267-2-1:1999 and IEC EN 50267-2-2:1999.
This kind of conduit is suitable for all those places requiring non-toxic characteristics and non emission of fumes or toxic gases.
Reference document:
IEC EN 50267-1:1999 - Cat. IEC 20-37/2-0- F. 5325
IEC EN 50267-2-1:1999-Cat. IEC 20-37/2-1- F. 5326
The same as IEC 60754-1
IEC EN 50267-2-2:1999-Cat. IEC 20-37/2-2- F. 5327
The same as IEC 60754-2.
Suitable in cases where particular mechanical resistance is needed.
Crush resistance (pipe): Cat. 3 average (greater than 750 N on 5 cm at +20°C)
Impact resistance (pipe): Cat. 3 average (2 joules at -5°C)
Minimum working temperature (pipe): Cat. 2 (-5°C)
Maximum working temperature (pipe): Cat. 1 (+60°C)
For the cables:
The conduction wires are IMQ certified, red colour and No7VK type, do not propagate fire, with 1 mm2 section.
Legislation:
IEC 20-20, 20-22, 20-37
IEC-UNEL 35752
CENELEC H D 21

FIRE FIGHTING COUPLINGS

To be applied everywhere that fire prevention legislation is in effect.
Fire resistance cat.: REI 180 certified (180 min).
The fire fighting couplings are used to seal the crossings of engineering resin pipes (PVC, PE, PP) in fire prevention compartments.
At a temperature of approx. 150°C, the internal intumescent material starts expanding thus increasing its own volume by about 10 times, developing a considerable pressure, enough to activate the fire resistance closure system that keeps in burning gases.
Read the safety instructions before use.
To use them, the fire stop couplings must be used in compliance with fire resistance certificates both in number and orientation as well as fixing system.

GLUE

Certified PVC based glue dissolved in solvent.
Basic ingredients: PVC resins.
Special ingredients: organic solvents.
Solder the glued junction.
Gluing is equally resistant to chemical agents and has the same mechanical properties as hard PVC.
Its controlled viscosity means it can easily be applied without gluing.
Ideal for longitudinal junctions on hard PVC pipes and the assembling of PVC pipes and connectors.

INSTALLATION MATERIAL





Sistem Air installation material obtains the best results in all installations, thanks to its high quality materials.



Sistem Air accessories are characterised by high quality construction, giving excellent functionality and extended wear resistance. The wide range of accessories can meet every cleaning requirement.

KITS AND ACCESSORIES

FLISY	228
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COMPLETE CLEANING KITS

APPLICATION

The ON/OFF wireless hose Flisy can be used with every central vacuum system.
It is compatible with both domestic and industrial vacuum units (if the system is used by more than one user, we recommend disconnecting the hose from the vacuum inlet when not in use).



MAIN FEATURES OF THE PRODUCT

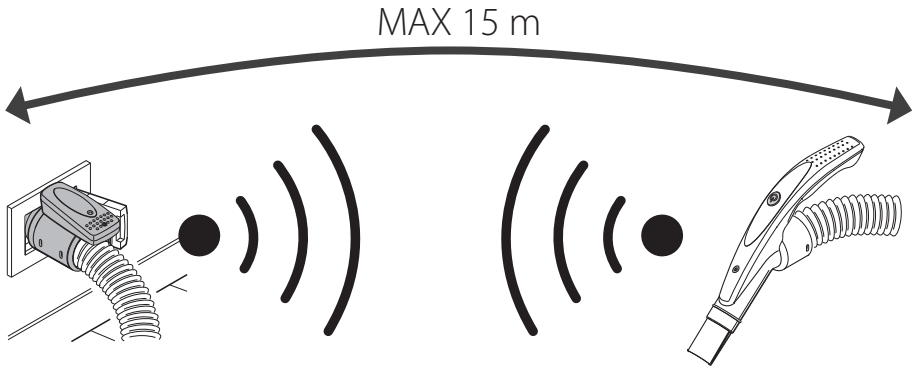
- **CONVENIENT**: it is possible to start and stop the central vacuum cleaner by pressing the button on the handgrip: this gives maximum freedom during cleaning activities without the need to unplug the hose from the vacuum inlet.
- **RELIABLE:** The electronic components have been tested to ensure faultless operation: this commitment illustrates the Sistem Air quality and is backed by the lifetime warranty covering the Flisy electronic components.
- **LIGHTWEIGHT:** The electric wire that normally runs inside the traditional electric hoses has been removed, guaranteeing the comfort of the ON/OFF system, but with a weight reduction of about 40% compared to a traditional electric hose of equal length.
- **STRONG:** The lack of the electric wire makes this hose extremely flexible, making it stronger and more durable.
- **UNIVERSAL:** during its design, constructive solutions have been adopted in order to make the Flisy hose compatible with the main vacuum inlets on the market.
- **SMART:** its technology avoids accidental system use, because the vacuum unit only starts cleaning when the hose is plugged into the vacuum inlet.
- **ERGONOMIC:** the handgrip has been designed to offer an extreme ease of handling thanks to its light weight.
- **HANDY:** both handgrip and inlet connection rotate 360°, allowing excellent ease of movement.



DISTINCTIVE FEATURES OF THE PRODUCT

1 - Wireless connection is always assured

The distance between the transmitter and the receiver is limited to the flexible hose length.
In this way the signal, which has a higher coverage, is always received, enabling starting and stopping vacuuming in any situation.



2 - Comfort of use

- Comfortable to use, thanks to the 360° rotation of handle and inlet connection.
- Extremely light hose, thanks to the removal of the electric wire.





1. 0



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3 - Lifetime warranty

Flisy contains the best electronic components available on the market combined with a high precision assembly, to achieve a flawless product both in construction and in operation: this quality is guaranteed by the lifetime warranty that covers the Flisy electronic components.



The technology of Flisy is a unique innovation worldwide.

BREVETTO IT 1394092
BREVETTO IT 270966

Patents obtained confirm the exceptional value of this product.







CLEANING ACCESSORIES

System Tech Flisy represents the latest evolution of the ON/OFF wireless hose, combining the convenience of the switch on the handle, the light weight hose and the convenience of the pipe network construction.

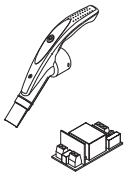


APPLICATION

Flisy Tech wireless system can be used in all central vacuum cleaning systems. For correct operation, the receiver board must be connected to the vacuum inlets and to the electricity supply. It is compatible with both domestic and industrial vacuum units (in case of use by multiple operators at the same time, it is not recommended to leave the hose inside the vacuum inlet when it is not in use).

SYSTEM TECH FLISY

The system is composed of a handle with an integrated transmitter and a receiver board connected to one or more vacuum inlets. If the surface of the house requires, for its coverage, the presence of more than one receiver board, the system allows use of a single handle for all cards, making it easy to use the System Tech Flisy.



System Tech Flisy, ON/OFF wireless system			
Handle and receiver board Flisy			
	Color	Material	Material Pc.
7039.4W	white/grey	Plastic	1

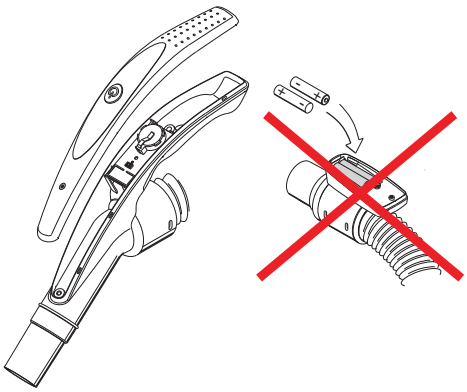


Receiver module Sistem Tech Flisy			
Receiver board Flisy			
Article	Color	Material	Material Pc.
3301.12	-	-	1

MAIN FEATURES OF THE PRODUCT

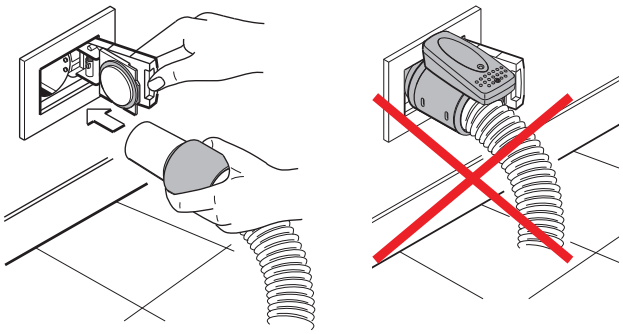
1 - Prolonged battery life

In System Tech Flisy, the only battery is inside the transmitter module, with lower consumption than batteries in the receiver module, now eliminated.



2 - Easier to use

The elimination of the receiver module in the inlet connection makes the system stronger, preventing malfunctions due to accidental impact of the board installed on the connection.

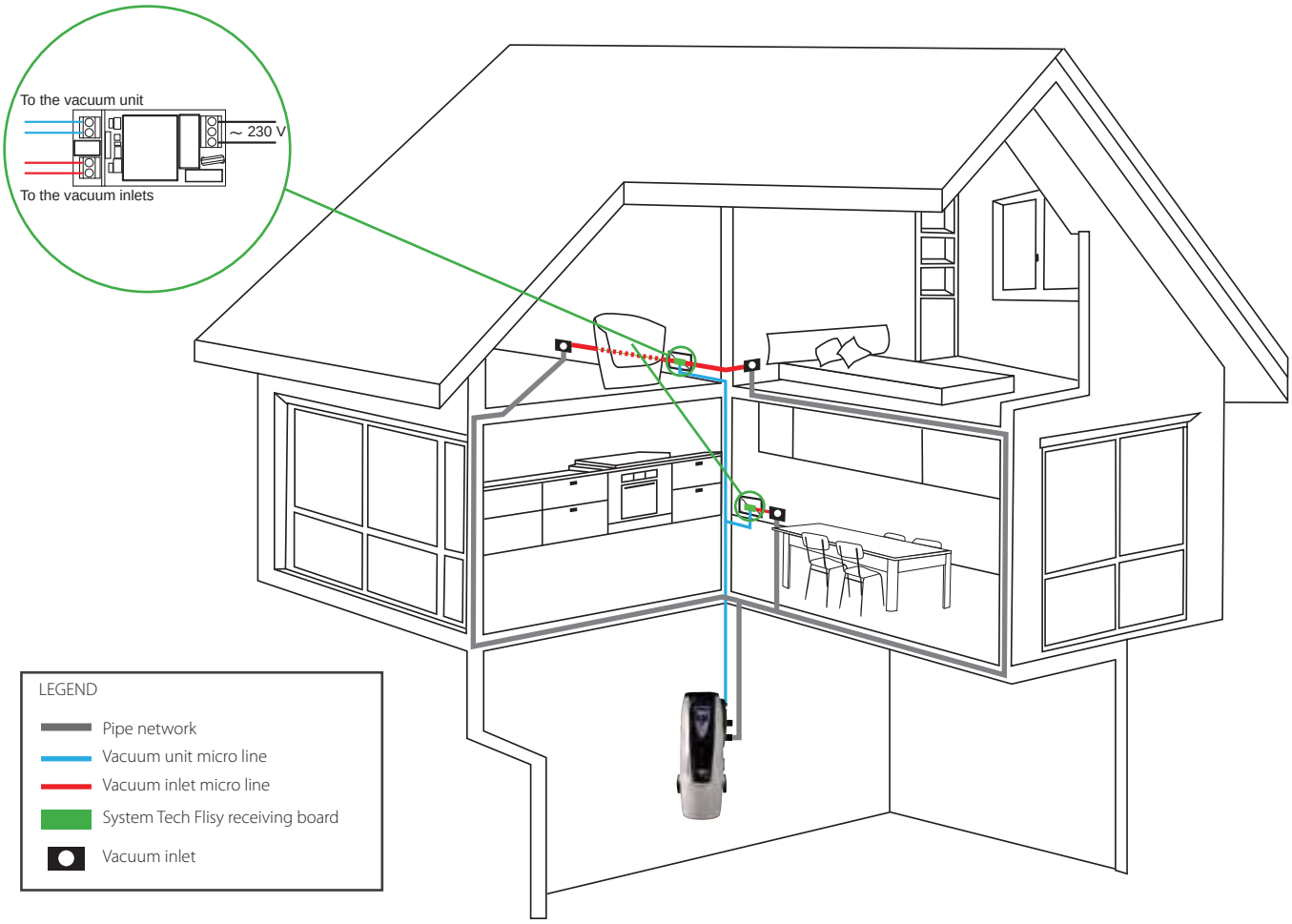


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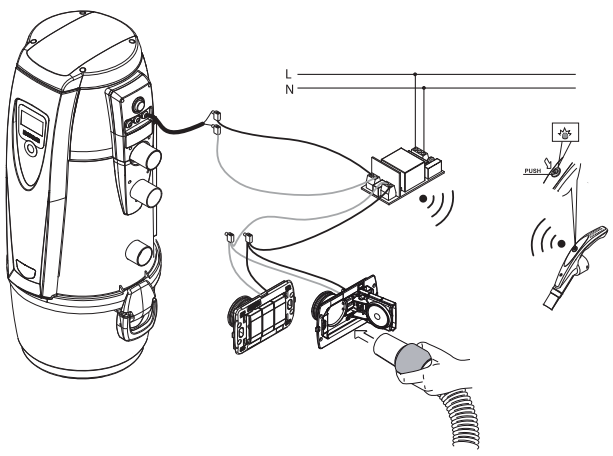
A NEW WAY TO DESIGN A SYSTEM

With System Tech Flisy it is possible to install the system by innovating the electric remote connection to vacuum unit.
The total installation is divided into different areas where the reception of the module is guaranteed: the vacuum inlets in this area are connected to the receiving module so as to activate vacuum. With the same handle it is possible to manage the vacuum of different areas, and the activation of the receiver in a specific area won't interfere with receivers in other areas.

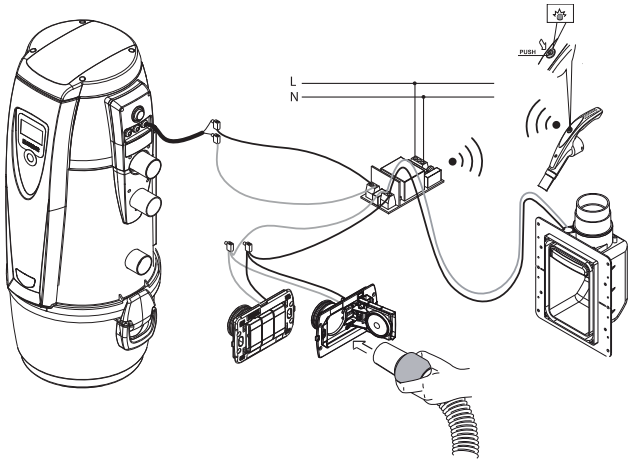
1 - System Tech Flisy electric connection



2 - Use with traditional flexible hose or with retractable hose



Electric connection with standard vacuum inlets



Electric connection in a mixed installation with traditional vacuum inlets and with retractable hose vacuum inlets.

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

COMPLETE CLEANING KITS

COMPLETE ON/OFF ACCESSORY KITS

Cleaning kits Ø 32 mm for RECTANGULAR or SQUARE mounting plates

Flisy accessory kits are totally new thanks to Flisy hose: a light and flexible hose, without internal wiring, but with the convenience of the wireless system, allowing system operation directly on the hand grip.
Flisy kits are available in 6 different combinations, with 7 m or 9 m hoses and with a wide range of accessories, for every kind of need.
They are supplied in an elegant customised package.

ARTICLE **7030.7W**	BASIC cleaning accessory kit (hose 7 m)		
ARTICLE **7030.9W**	CLEANING KIT WITH 9 M HOSE		
	Article	Description	Q.ty
	**7037.7**	7 m flexible hose	1
	**7039.0W**	Flisy handle and inlet connection	1
	**7040.0**	Pair of chrome pipes	1
	**7047.1**	30 cm floor brush	1

ARTICLE **7031.7W**	ELITE cleaning accessory kit (hose 7 m)		
ARTICLE **7031.9W**	CLEANING KIT WITH 9 M HOSE		
	Article	Description	Q.ty
	**7041.0**	Accessory holder (10 pieces)	1
	**7037.7**	7 m flexible hose	1
	**7039.0W**	Flisy handle and inlet connection	1
	**7040.1**	Chromed telescopic extension	1
	**7047.1**	30 cm floor brush	1
	**7036.0**	Double use brush	1
	**7043.0**	Dusting brush	1
	**7046.0**	Radiator brush	1
	**7042.0**	Clothes brush	1
	**7044.0**	Mattress – upholstery brush	1
	**7045.0**	Crevice tool	1

ARTICLW **7032.7W**	STANDARD cleaning accessory kit (hose 7 m)		
ARTICOLO **7032.9W**	CLEANING KIT WITH 9 M HOSE		
	Article	Description	Q.ty
	**7041.0**	Accessory holder (10 pieces)	1
	**7037.7**	7 m flexible hose	1
	**7039.0W**	Flisy handle and inlet connection	1
	**7040.0**	Pair of chrome pipes	1
	**7047.1**	30 cm floor brush	1
	**7043.0**	Dusting brush	1
	**7046.0**	Radiator brush	1
	**7042.0**	Clothes brush	1
	**7044.0**	Mattress – upholstery brush	1
	**7045.0**	Crevice tool	1

Kit wireless Standard



Ø 32

COMPLETE CLEANING ACCESSORY KITS

Cleaning kits Ø 32 mm for RECTANGULAR or SQUARE mounting plates

Sistem Air cleaning accessory kits contain all the brushes required to clean in an easy, precise way.
They are available in 6 different combinations for every kind of need.
They are supplied in an elegant customised package.

ARTICLE **7032.4**	BASIC cleaning accessory kit (hose 7 m)		
	Article	Description	Q.ty
	**7037.7**	7 m flexible hose	1
	**7038.0M**	Metal ring connection	1
	**7039.1**	Plastic handle	1
	**7040.0**	Pair of chrome pipes	1
	**7047.1**	30 cm floor brush	1

ARTICLE **7031.0**	ELITE cleaning accessory kit (hose 7 m)		
ARTICLE **7031.2**	CLEANING KIT WITH 9 M HOSE		
	Article	Description	Q.ty
	**7041.0**	Accessory holder (10 pieces)	1
	**-**	6 m flexible hose	1
	**-**	2 m flexible hose	1
	**7038.0M**	Metal ring connection	1
	**7048.0**	Extension pipe connection	1
	**7039.0**	Chrome handle	1
	**7040.1**	Chromed telescopic extension	1
	**7047.1**	30 cm floor brush	1
	**7036.0**	Double use brush	1
	**7043.0**	Dusting brush	1
	**7046.0**	Radiator brush	1
	**7042.0**	Clothes brush	1
	**7044.0**	Mattress – upholstery brush	1
	**7045.0**	Crevice tool	1

ARTICOLO **7030.0**	MINI cleaning accessory kit (hose 7 m)		
	Article	Description	Q.ty
	**7041.1**	Accessory holder (4 pieces)	1
	**7037.7**	7 m flexible hose	1
	**7038.0M**	Metal ring connection	1
	**7039.1**	Plastic handle	1
	**7040.2**	Pair of plastic pipes	1
	**7047.1**	30 cm floor brush	1
	**7043.0**	Dusting brush	1
	**7045.0**	Crevice tool	1

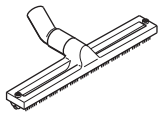
ARTICLE **7032.0**	STANDARD cleaning accessory kit (hose 7 m)		
ARTICLE **7032.2**	CLEANING KIT WITH 9 M HOSE		
	Article	Description	Q.ty
	**7041.0**	Accessory holder (10 pieces)	1
	**7037.7**	7 m flexible hose	1
	**7038.0M**	Metal ring connection	1
	**7039.1**	Plastic handle	1
	**7040.0**	Pair of chrome pipes	1
	**7047.1**	30 cm floor brush	1
	**7043.0**	Dusting brush	1
	**7046.0**	Radiator brush	1
	**7042.0**	Clothes brush	1
	**7044.0**	Mattress – upholstery brush	1
	**7045.0**	Crevice tool	1

Ø 32

CLEANING ACCESSORIES

CLEANING ACCESSORIES Ø 32

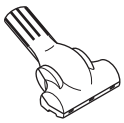
Sistem Air accessories are supplied with single package. They can be used in domestic and professional applications.



FLOOR BRUSH 37 CM

Universal brush, for every kind of surface

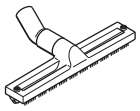
Article	Color	Material	Package Pc.
7047.0	Black	Plastic	1



TURBO BRUSH FOR UPHOLSTERY

Brush with comb and rotating bristles

Article	Color	Material	Package Pc.
7033.3	Black	Plastic	1



FLOOR BRUSH 30 CM

Universal brush, for every kind of surface

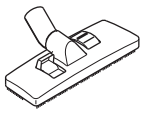
Article	Color	Material	Package Pc.
7047.1	Black	Plastic	1



CLOTHES BRUSH WITH BRISTLES

Brush with long bristles for clothes cleaning

Article	Color	Material	Package Pc.
7042.0	Black	Plastic	1



DOUBLE USE BRUSH FOR FLOORS AND

Brush with interchangeable double comb

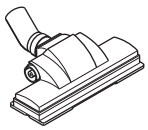
Article	Color	Material	Package Pc.
7036.0	Black	Plastic	1



DUST BRUSH WITH BRISTLES

Directable dust brush

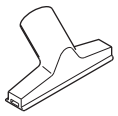
Article	Color	Material	Package Pc.
7043.0	Black	Plastic	1



FELT BRUSH FOR PARQUET

Brush without bristles, with felt bottom

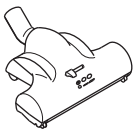
Article	Color	Material	Package Pc.
7035.0	Nero	Plastica	1



BRUSH FOR MATRESSES AND UPHOLSTERY

Brush without bristles for regular surfaces

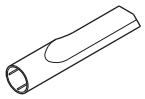
Article	Color	Material	Package Pc.
7044.0	Black	Plastic	1



TURBO BRUSH FOR RUGS AND CARPETS

Floor brush with rotating bristles

Article	Color	Material	Package Pc.
7034.0	Black	Plastic	1



CREVICE TOOL

Specific tool for corner cleaning

Article	Color	Material	Package Pc.
7045.0	Nero	Plastica	1

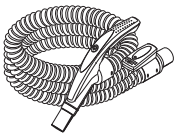
Ø 32



BRUSH FOR WOOD BEAMS AND PIPES

Curve brush with bristles

Article	Color	Material	Package Pc.
7033.2	Black	Plastic	1



WIRELESS FLEXIBLE HOSE FLISY 9 M

On/OFF pipe with wireless button

Article	Color	Material	Package Pc.
7037.9W	Silver	Plastic	1



FLOOR BUSH WITH 180° ROTATION

Brush with bristles in natural fibre

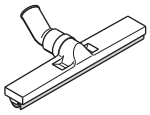
Article	Color	Material	Package Pc.
7047.9	Black	Plastic	1



METAL RING CONNECTION Ø 32

With metal ring for system starting

Article	Color	Material	Package Pc.
7038.0M	Black	Plastic	1



LIQUID BRUSH WITH RUBBER CM 30

Floor brush without bristles and rubber

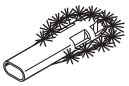
Article	Color	Material	Package Pc.
7033.1	Black	Plastic	1



EXTENSION PIPE CONNECTOR Ø 32

For connection to art. 7038.0M to connect two

Article	Color	Material	Package Pc.
7048.0	Black	Plastic	1



RADIATOR BRUSH

It can be used with art. 7045.0

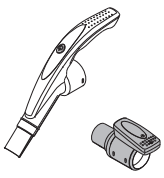
Article	Color	Material	Package Pc.
7046.0	Black	Plastic	1



FLEXIBLE HOSE Ø 32, 7 M

Flexible hose bundle without connections

Article	Color	Material	Package Pc.
7037.7	Silver	Plastic	1



FLISY HANDLE AND INLET CONNECTION

To transform a standard hose into a wireless ON/OFF hose

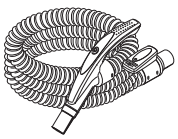
Article	Colore	Material	Package Pc.
7039.0W	-	Plastic	1



FLEXIBLE HOSE Ø 32, 9 M

Bundle of flexible hose without connections

Article	Color	Material	Package Pc.
7037.9	Silver	Plastic	1



WIRELESS FLEXIBLE HOSE FLISY 7 M

ON/OFF wireless hose

Article	Color	Material	Package
7037.7W	Silver	Plastic	1



FLEXIBLE HOSE Ø 32, 18 M

Flexible hose bundle without connections

Articolo	Color	Material	Package Pc.
7037.18	Silver	Plastic	1

Ø 32

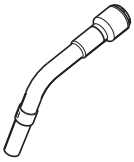
CLEANING ACCESSORIES



PLASTIC HANDLE WITH PRESSURE REGULATOR Ø 32

Handle for flexible hose and accessory connection.

Article	Color	Material	Package Pc.
7039.1	Grey	Plastic	1



CHROMED HANDLE WITH PRESSURE REGULATOR

Handle for flexible hose and accessory connection.

Article	Color	Material	Package Pc.
7039.0	Steel	Metal	1



SOCK FOR FLEXIBLE HOSE 7 M

Soft sock to cover the flexible hose

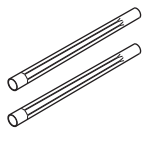
Article	Color	Material	Package Pc.
7037.1	Denim	Wool	1



SOCK FOR FLEXIBLE HOSE 10 M

Soft sock to cover the flexible hose

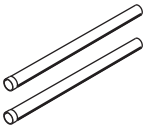
Article	Color	Material	Package Pc.
7037.4	Denim	Wool	1



PAIR OF PLASTIC EXTENSIONS Ø 32

Connection extensions for handle and accessories

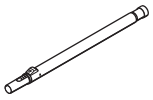
Article	Color	Material	Package Pc.
7040.2	Black	Plastic	1



PAIR OF EXTENSION CHROMED PIPES Ø 32

Connection extensions for handle and accessories

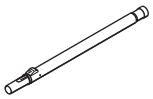
Article	Color	Material	Package Pc.
7040.0	Steel	Metal	1



CHROMED TELESCOPIC EXTENSION Ø 32

Telescopic extension for connection with handle and accessories

Article	Color	Material	Package Pc.
7040.1	Steel	Metal	1



STEEL TELESCOPIC EXTENSION

For connection to the handle of the flexible hose

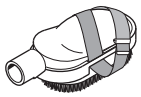
Article	Color	Material	Package Pc.
7040.10	Aluminum	Aluminum	1



STOP-OBJECTS ACCESSORY

To connect onto the handle of the flexible hose

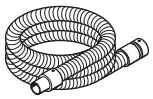
Article	Color	Material	Package Pc.
7040.5	Black	Plastic	1

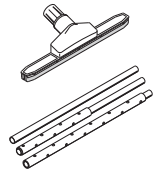


PET BRUSH

Curry brush with handle

Article	Color	Material	Package Pc.
7049.0	Black	Plastic	1





OVEN CLEANING KIT

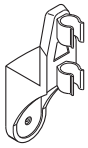
Heat resistant accessories with insulated handle

Article	Color	Material	Package Pc.
7032.3	Steel	Metal	1

Ø 32

ACCESSORY HOLDER

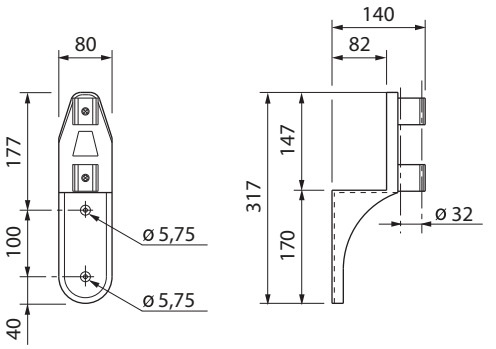
Allow organisation of all vacuum system cleaning accessories.

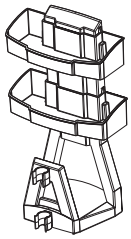


MINI HOLDER FOR ACCESSORIES – FOR 4 PIECES

To tidy the flexible hose

Article	Color	Material	Package Pc.
7041.1	Grey	Plastic	1

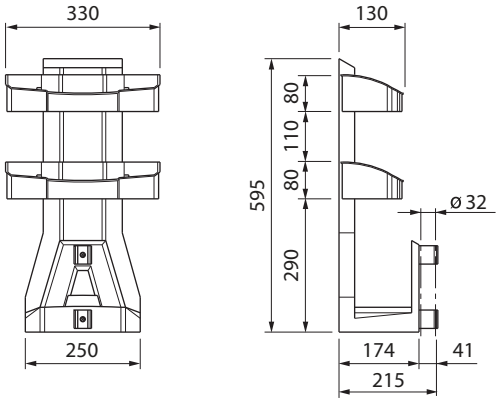


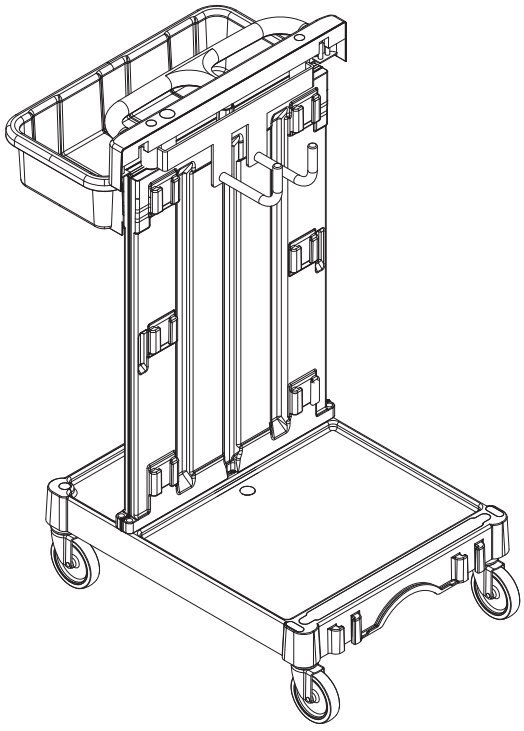


BASKET HOLDER FOR ACCESSORIES – FOR 10 PIECES

To tidy flexible hose and all accessories

Article	Color	Material	Package Pc.
7041.0	Grey	Plastic	1

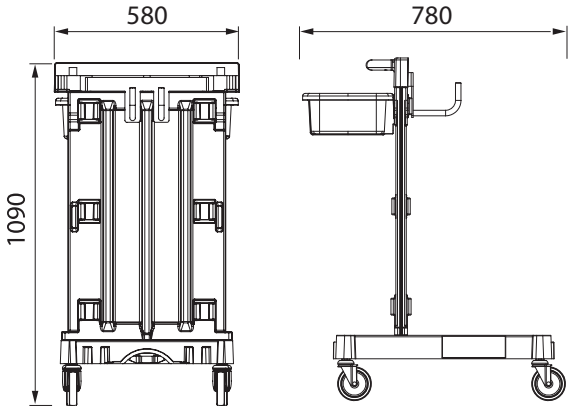




ACCESSORY CART

To place and transport the flexible hose and accessories

Article	Color	Material	Package Pc.
7041.2	Grey/Green	Plastic	1



Ø 40

CLEANING ACCESSORIES

CLEANING ACCESSORIES Ø 40 MM



FLEXIBLE HOSE Ø 40 MM (10 M)

Flexible hose bundle without connections

Article	Color	Material	Package Pc.
7037.2	Black	Plastic	1



DUST BRUSH WITH BRISTLES Ø 40

Directable dust brush

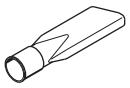
Article	Color	Material	Package Pc.
7047.3	Black	Plastic	1



HANDLE FOR FLEXIBLE HOSE Ø 40

Handle for flexible hose and connection for accessories

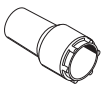
Article	Color	Material	Package Pc.
7038.1	Nero	Plastica	1



CREVICE TOOL Ø 40

Specific tool for corners cleaning

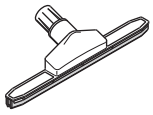
Article	Color	Material	Package Pc.
7047.4	Black	Plastic	1



SWIVEL CONNECTION Ø 40

Connection flexible hose/vacuum inlet

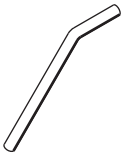
Article	Color	Material	Package Pc.
7038.2	Black	Plastic	1



LIQUID BRUSH WITH RUBBER Ø 40

Floor brush without bristles

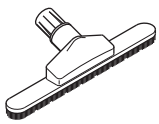
Article	Color	Material	Package Pc.
7033.8	Black	Plastic	1



CHROMED EXTENSION (UPPER) Ø 40

Extension for accessories (upper part)

Article	Color	Material	Package Pc.
7039.21	Steel	Metal	1



FLOOR BRUSH WITH BRISTLES 48 CM, Ø 40

Suitable for any kind of surface

Article	Color	Material	Package Pc.
7047.2	Black	Plastic	1



CHROMED EXTENSION (LOWER) Ø 40

Extension for accessories (lower part)

Article	Color	Material	Package Pc.
7039.22	Steel	Metal	1

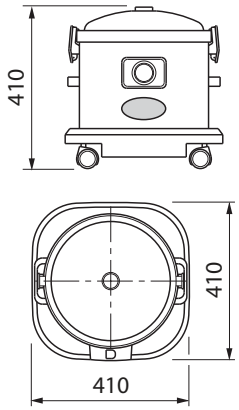
N.B.: all Ø 40 accessories are to be used with the specific floor inlets (art. 1455.2A e 1455.2N) and industrial inlets (1556.0).

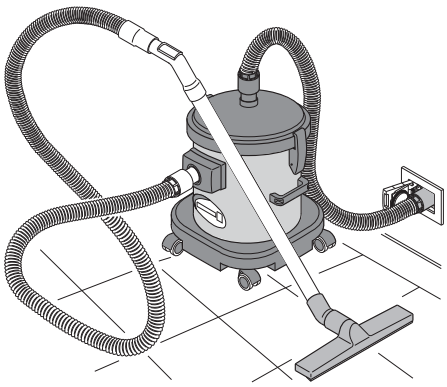
Ø 32

SPECIAL CLEANING SEPARATORS

Special separators are cleaning accessories that can be matched to the central vacuum system: they are used to vacuum liquids or ashes that cannot enter inside the pipe network of the system.
Equipped with reels for movement, they can be transported and emptied quickly and easily.

LIQUID SEPARATOR





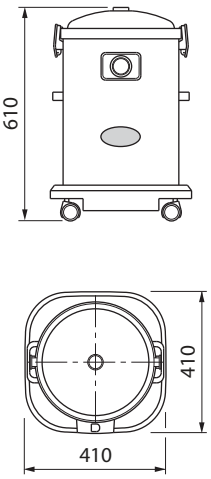
EQUIPMENT
-Ø 32 flexible hose for connection to the system
-Liquid brush
-Vacuum hose adapter

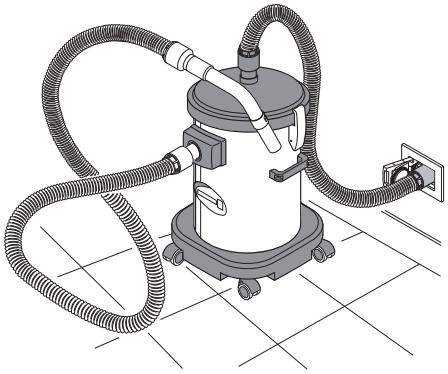
LIQUID SEPARATOR

Article	Color	Material	Package Pc.
7033.0	Grey	Plastic	1



ASH SEPARATOR





EQUIPMENT
- Ø 32 flexible hose for connection to the system
- Vacuum hose adapter

METAL ASH SEPARATOR WITH WHEELS

Article	Color	Material	Package Pc.
7033.7	Steel	Metal	1





Filter cartridge for ashes separator

Article	Color	Material	Package Pc.
1610.10	White	Fire resistant fabric	1

CLEANING ACCESSORIES

HOSE REEL ACCESSORIES

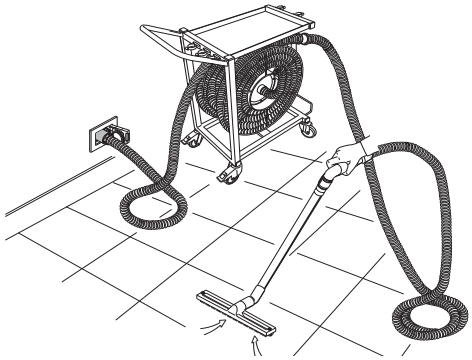
Hose reel accessories are easy to move during cleaning operations in factories, because it is not necessary to transport the flexible hose. Moreover, the work is facilitated by the possibility to use only the length of flexible hose required.
All our hose reels are supplied with flexible hose already installed.

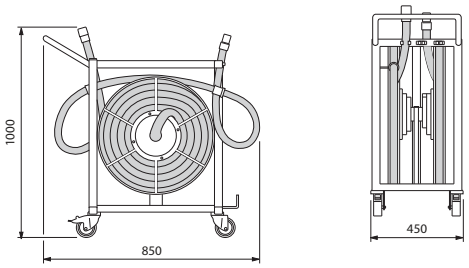
HOSE REEL WITH WHEELS

The hose reel cart has an accessory shelf in order to facilitate materials transport and to keep on hand all the cleaning accessories. Connection to pipe network is made with any vacuum inlet of the vacuum system.

Article	Flexible hose mm	On-off Contact	Connection mm	Usable hose length m	Packaging pz.
7041.3	Ø 32	NO	Ø 32	15+15	1
7041.4	Ø 40	NO	Ø 40	10+10	1

OVERALL SIZE





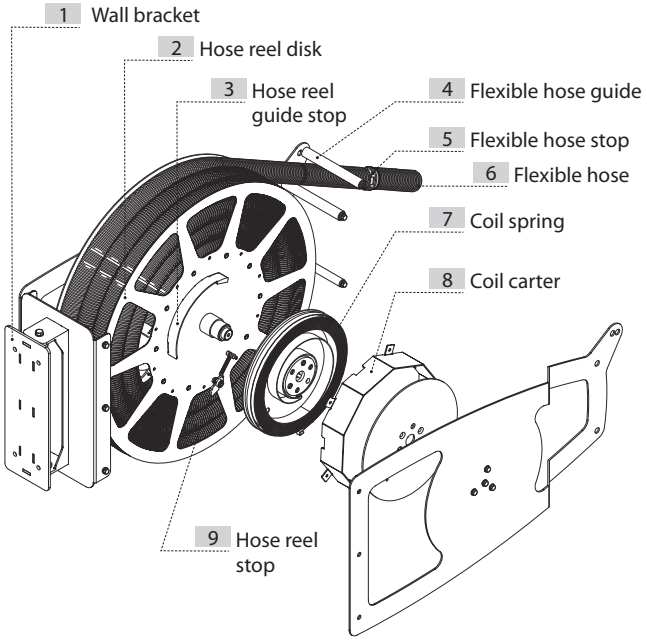
WALL-MOUNTED HOSE REEL

Wall-mounted hose reel allows easy access to the areas to be cleaned, even with numerous obstacles on the floor. The return spring will rewind the flexible hose previously unfolded.
Connection to pipe network doesn't need specific vacuum inlets, but it is made with a flexible hose connection Ø 50 on the pipe network (Ø 50).
To start and stop the system it is necessary to prepare a switch, to be connected to the micro line of the vacuum unit, near the hose reel installation point, or in a convenient point for use.

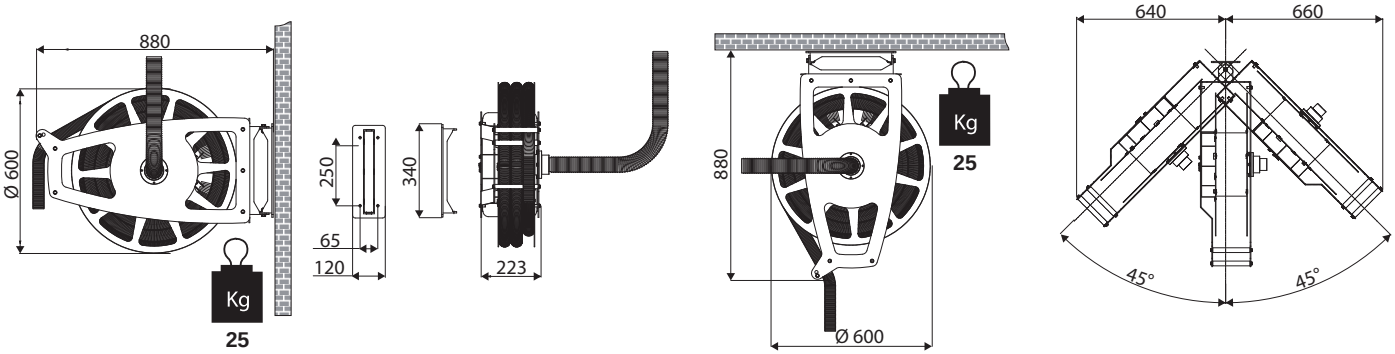


Article	Flexible Hose mm	Connection mm	Usable hose length	Package Pc.
7041.51	Ø 32	Ø 50	14	1
7041.61	Ø 40	Ø 50	10	1

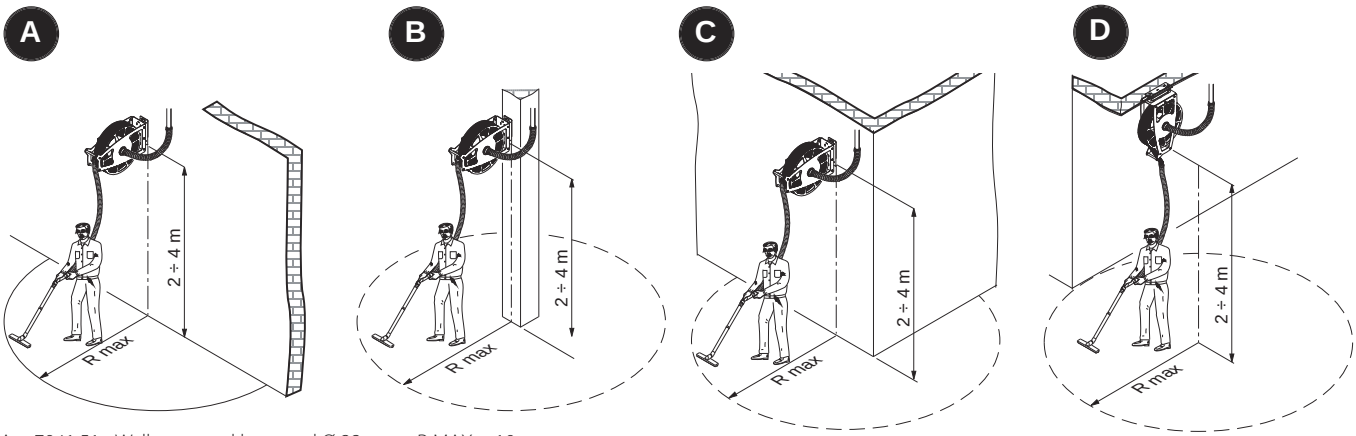
WALL MOUNTED HOSE REEL - EXPLODED DRAWING



OVERALL SIZE



COVERAGE AREA



Art. 7041.51 - Wall mounted hose reel Ø 32 mm - R MAX = 10 m
Art. 7041.61 - Wall mounted hose reel Ø 40 mm - R MAX = 7 m

CLEANING ACCESSORIES

MOTORISED WALL-MOUNTED HOSE REEL

Roll Flex by Sistem Air is a motorised wall-mounted hose reel that represents the evolution of the traditional wall-mounted hose reel: equipped with a motorised system for unfolding/rewinding the hose, it is characterised by an extreme strength, thanks to the careful design of mechanical and electrical components, designed to withstand numerous cycles of use. It is very easy to use, with two switches to control the direction of the wheel rotation.
Connection to pipe network is made with a flexible hose connection.
The switching on and off of the system can be automatic or controlled by a button (see below).



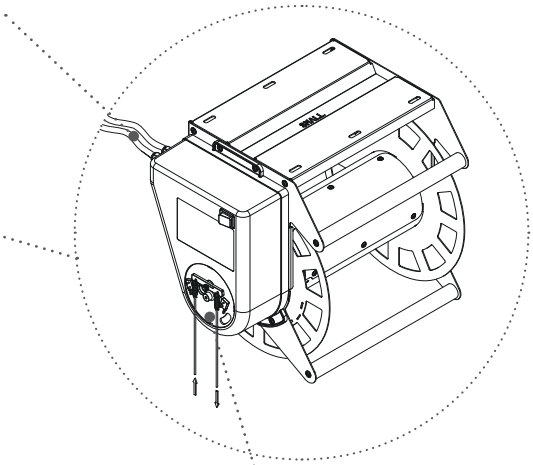
MAIN FEATURES OF THE PRODUCT

1 - Great comfort of use

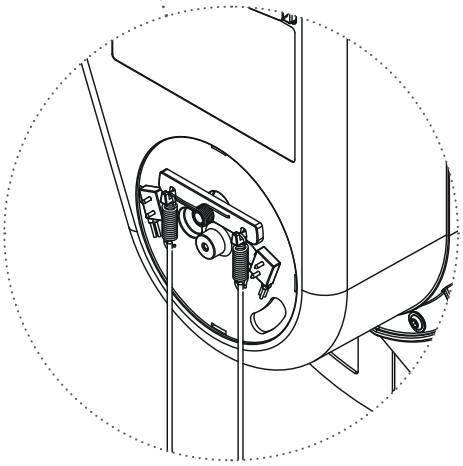
The hose-reel is equipped with a motor that allows both unfolding and rewinding without the need of return springs.



Roll Flex has an integrated contact that allows to start and stop vacuuming without a further switch



The up-down control can be activated by **two ropes of 5 m length** (they can be shortened on one's choice), **with a very simple mechanism**.
Furthermore:
- With a special connection, and without further equipment, it is possible to install a **double button** that starts unfolding/rewinding.
- It is possible to buy, as an extra equipment, **a remote control unfolding/rewinding of the hose, making its use even more convenient.**



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

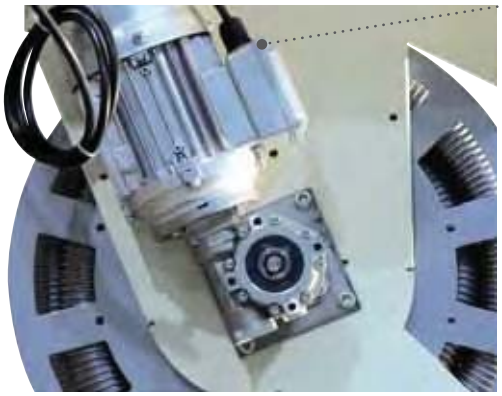


2 - Easy to connect

The connection to the pipe network is made with **an inlet arranged on the side of the hose-reel**, which connects to the rigid pipe with a simple flexible hose.

3 - Extreme reliability

Roll-Flex hose reel is driven by a **powerful electric motor**, which ensures the correct unfolding and rewinding, without that the hose is affected by load variations during these two operations
Therefore the reliability of the motor **is combined with a longer life of the flexible hose**, that doesn't receive sudden strains from the hose-reel.

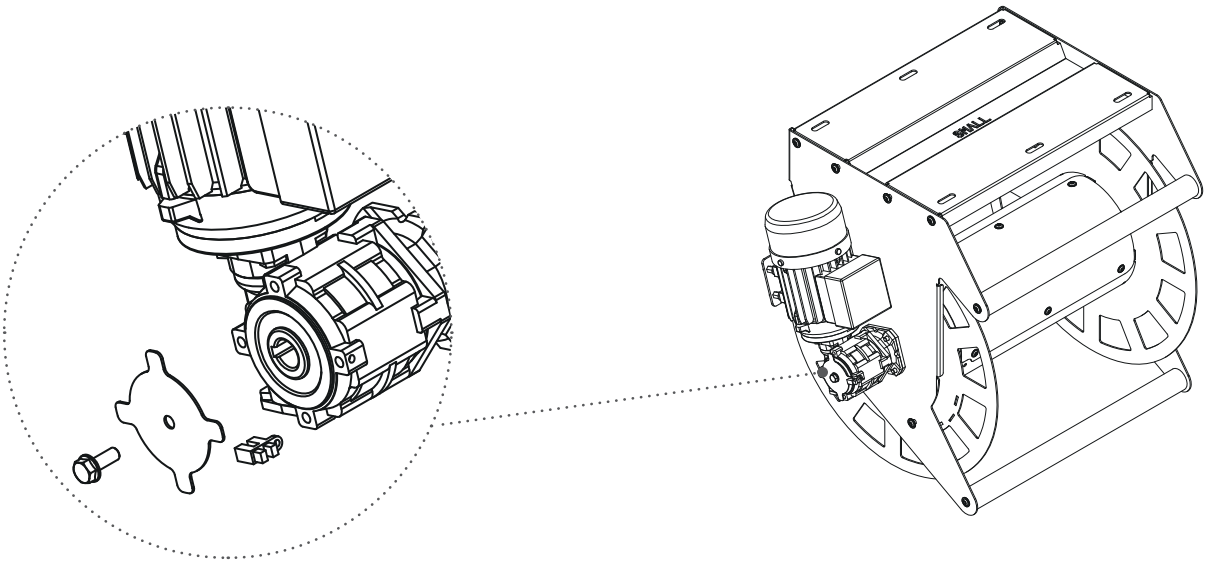




Roll Flex is equipped with an electronic board which, in addition to managing the ascending/descending automatism, **works as a safety device in case of accidental stops** that may occur during its working (eg. weight that blocks the flexible hose during rewind).

4 - Accurate rewind

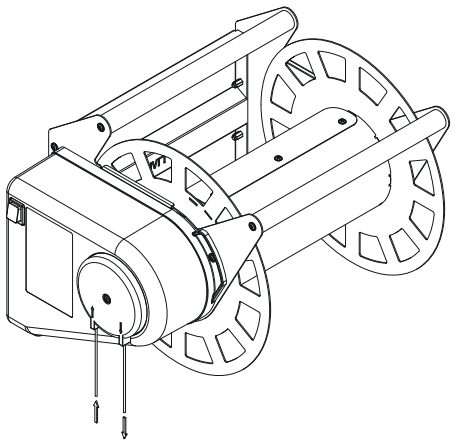
Every time that unfolding starts, an optical sensor measures **the section of the unfolded flexible hose**, in order to rewind exactly the same part.
In this way **the flexible hose always returns to the same starting position**.



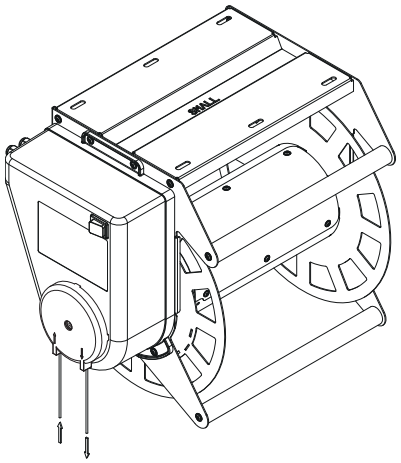
NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

5 - Installation versatility

It can be **installed on the wall or on the ceiling**.
Transformation is easy and quick, it consists in the rotation of the control switches of the motor. The hose-reel fixing is made with appropriate plugs.

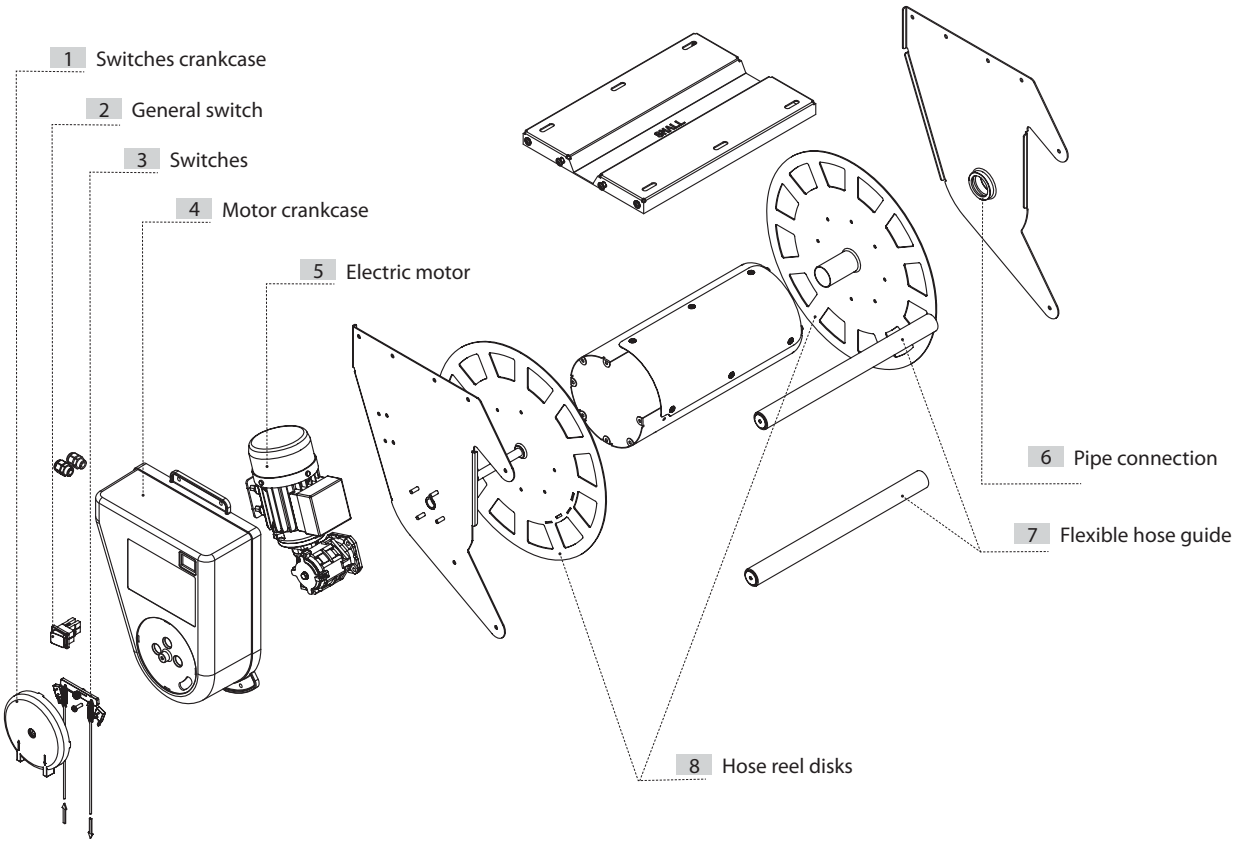


Wall mounting



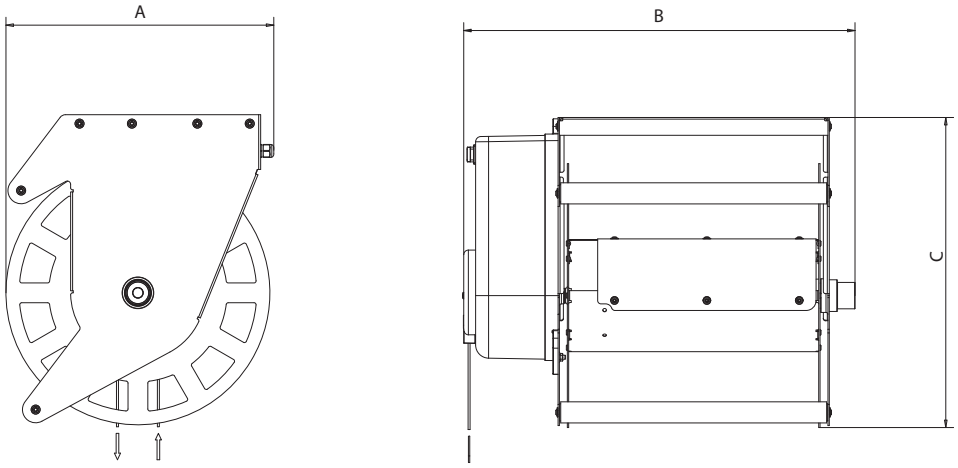
Ceiling mounting

WALL MOUNTED HOSE REEL ROLL FLEX



NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

MEASUREMENT AND TECHNICAL DATA



		ROLL FLEX	
Model		ROLL Flex Ø 32	ROLL Flex Ø 40
Article		**7041.51E**	**7041.61E**
Protection degree	IP	44	44
Supply	V ac	220/240	220/240
Frequency	Hz	50/60	50/60
Motor power	W	90	90
Absorption	A	0,41	0,41
Number of laps	RPM	24	24
Vacuum inlet	Ø mm	40	40
Flexible hose	Ø mm	32	40
Maximum length of flexible hose	m	18	20
Weight	kg	20	22
Measurement A	mm	410	410
Measurement B	mm	593	743
Measurement C	mm	470	470

NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW

CLEANING ACCESSORIES

Flisy
by SISTEM AIR

Wireless on-off flexible hose



The quality of performance of the system is related to the quality of professional equipment used: with Sistem Air each instrument is easy to use and ensures a high technical result.

EQUIPMENTS AND SYSTEMS

EQUIPMENTS 250

SISTEM TEST 252

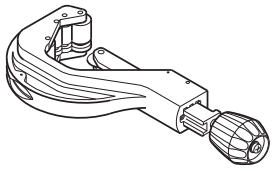
SISTEMI ELETTRONICI DI CONTROLLO 254

PIPECUTTERS AND VACUUM GAUGES

EQUIPMENTS

Sistem Air equipments simplify and improve the quality of working.

The pipe cutter tool allows to make a clear cut of the pipe, obtaining a perfect coupling with the connectio



PVC PIPE CUTTER AND SPAREPARTS

ARTICLE	Description	Packaging Pc.
4163.0	Pipe cutter up to Ø 63 mm	1
4100.0	Pipe cutter up to Ø 100 mm	1
4163.1	Spare wheel for pipe cutter	5

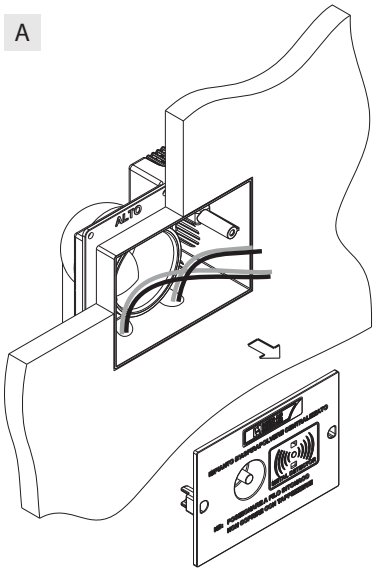
The cap for depression testing is used to seal hermetically the mounting plates in order to test the seal of the piping network before the floor laying.



CAP FOR DEPRESSION TESTING

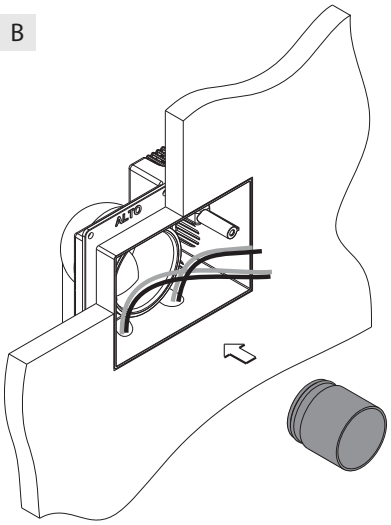
ARTICLE	Color	Material	Packaging Pc.
5050.5	Black	Plastic	5

A



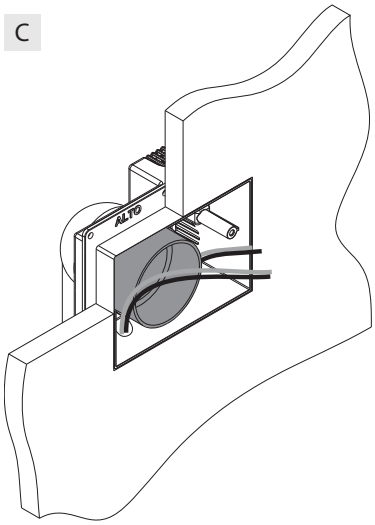
Remove the protective save-plaster cover.

B



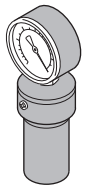
Plug the cap inside the mounting plate entrance until the end.

C

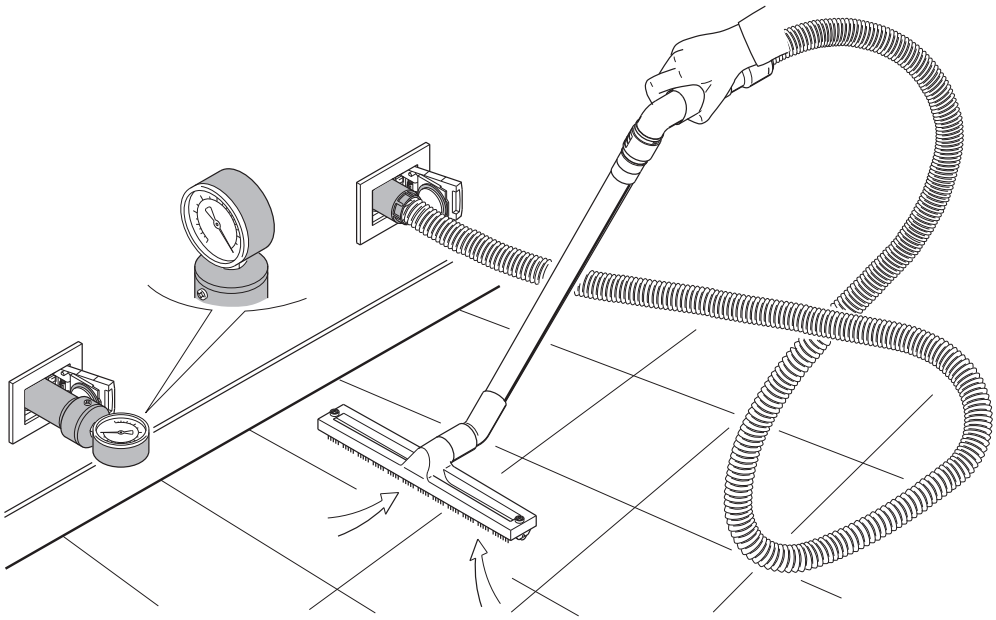


Make sure that the cap has been connected inside the entrance in the correct way, in order to seal the pipe network.

Vacuum gauge tool allows to test the seal of the piping network before the floor lying; furthermore it you can detect the amount of pressure loss of a pipe network according to the central vacuum depression.



VACUUM GAUGE			
ARTICLE	Color	Material	Packaging Pc
4001.0	Steel	Metal	1



SISTEM TEST

SISTEM TEST

Testing the piping network with Sistem Test becomes quick and easy for every installer. The Sistem Test verification set is in fact the instrument designed to allow the professional to certify that the pipe network has been made perfectly, protecting them from possible errors caused by others.

TECHNICAL FEATURES

Sistem Test offers all the necessary elements to qualify the specialized installer work during the installation of Sistem Air pipe networks: thanks to this portable vacuum unit, with vacuum gauge and other tools supplied, it is possible to verify the correct installation of the pipes. After the installation of the pipe network, it is possible to check its correct installation and pipe seal, releasing a certificate which is a further guarantee for the customer that the system has been made in a perfect way.
Sistem Test is supplied with all the components required to test the installation:

- Sistem Test, with vacuum gauge, to read the depression values of the installation in a quick and easy way. Thanks to its wheels, it can be moved in an easy way.
- A flexible hose to connect the vacuum unit to the installation.
- A universal adapter.
- A complete set of caps to make the test
- A strong and handy bag to transport the complete kit.

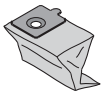
CE Classe II



SISTEM TEST ARTICLE 4300.1 CONTAINS:

Description	Quantity pc
Sistem TEST vacuum unit with vacuum gauge	1
Connection flexible hose Ø 50	1
Universal adapter Ø 50/63	1
Caps for depression testing	20
Notebook for test certificates in triplicate	1
Bag with handles for the kit transport	1

SPAREPARS

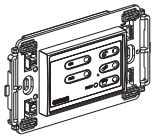
MODEL	ARTICLE	Filter cartridge Q.ty =1 pc  Art.	Bags Q.ty =10 pc  Art.
Sistem Test	**4300.1**	**1610.16**	**1614.15**

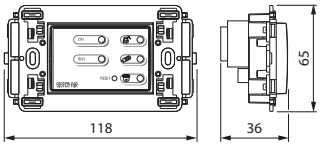
ELECTRONIC CONTROL SYSTEMS

ELECTRONIC CONTROL SYSTEMS

Distance electronic control systems to check maintenance activities for Domestic, Professional and Industrial units.
"Tecno Control" remote systems, made with special attention to design, allow to carry out a scheduled maintenance required for the correct working of the central vacuum unit.
It is very easy to install on every existing installation of central vacuum system; programming preset allow a quick use of the final user.
For custom requirements of maintenance management it is possible You can modify programming following the instructions in the user equipment.
Tecno Control is available in three versions:
- "Control Table", for hotel receptions
- "Control Wall", for a professional use with wall installation
- "Control Remote", for built-in installations in domestic use.

Their connection and installation is very easy because it is made through a connection to the supply network or to any micro line point of the vacuum system.
Through their use you can manage and program the dust container emptying cycles, filter cleaning and motor maintenance.



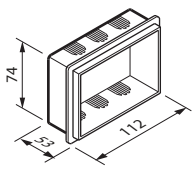




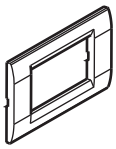
PLASTIC BUILT-IN REMOTE PANELS
(MATCHABLE TO ALL VACUUM UNITS)

ARTICLE	DOMESTIC SERIES	COLOR	Packaging Pc.
4200.6	Universal*	White and Black	1
4201.9	BTicino Axolute nera	Black	1
4201.10	Bticino Axolute silver	Silver	1
4201.11	Bticino Axolute white	White	1
4201.12	Bticino living light tech	Silver	1
4201.13	Bticino matix white	White	1
4201.18	Bticino Air black	Black	1
4201.19	Bticino Air white	White	1
4201.20	Bticino Air tech	Silver	1
4201.1	Vimar Plana	White	1
4201.2	Vimar Plana Silver	Silver	1
4201.3	Vimar Eikon	Black	1
4201.4	Vimar Eikon bianca	White	1
4201.5	Vimar Next	Silver	1
4201.16	Vimar Arkè anthrax	Anthrax	1
4201.17	Vimar Arkè white	White	1
4201.14	Ave Life 44 black	Black	1
4201.15	Ave Domus 100 white	White	1
4201.21	Urmet Nea anthrax/steel	Anthrax/Steel	1
4201.22	Urmet Nea white/ice	White/Ice	1
4201.23	Urmet Nea alluminium	Alluminium	1
4201.6	Gewiss Chorus white	White	1
4201.7	Gewiss Chorus black	Black	1
4201.8	Gewiss Chorus titanium	Titanium	1

*They can be matched to the following domestic series: Living International, Livin Light, Vimar Idea, Vimar Idea Rondò



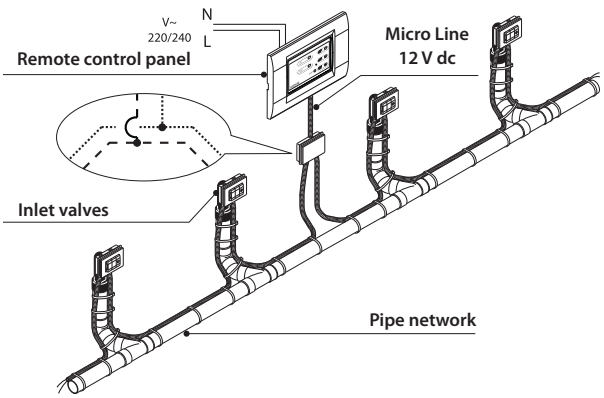




BUILT-IN REMOTE CONTROL PANEL WITH BOX AND PLATE (WHITE COLOR)

ARTICLE	COLOR	MATERIAL	Packaging (Pc)
4200.7	White	Plastic	1

ELECTRIC CONNECTION



N.B.: connection is possible in any point of the micro line.

ELECTRONIC CONTROL SYSTEMS

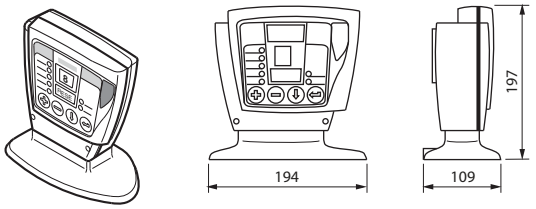
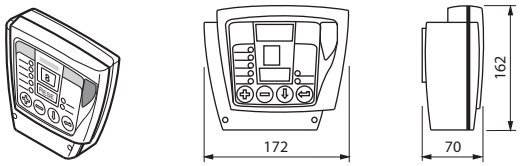


TABLE REMOTE CONTROL PANEL

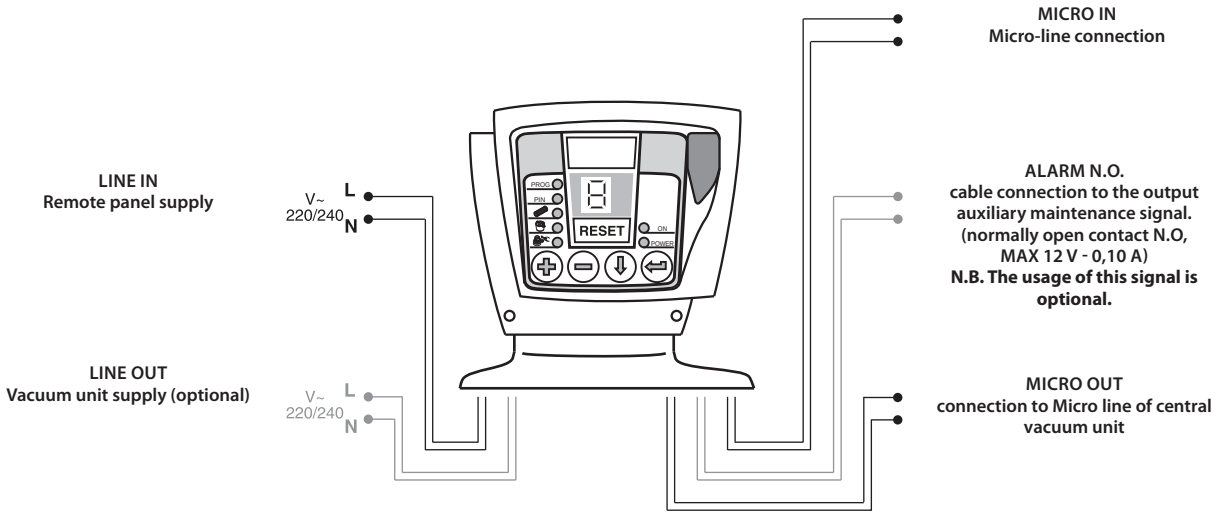
ARTICLE	COLOR	MATERIAL	Packaging Pz.
4200.2	ALUMINIUM	PLASTIC	1
4200.3	ANTHRAX	PLASTIC	1



WALL REMOTE CONTROL PANEL

ARTICLE	COLOR	MATERIAL	Imballo Pz.
4200.0	ANTHRAX	PLASTICA	1

ELECTRIC CONNECTION



Sistem Air offers all the instruments required to make perfect installations, because the quality of the product must match the even quality in the construction of the plant .







www.sistemair.com

Sistem Air Group 27020 Gravellona Lomellina (PV) ITALIA - Via Cilavegna, 53 - GPS: N: 45° 19' 28"; E: 8° 45' 32"
Tel. + 39 0381 650082 - Fax +39 0381 650120 - info@sistemair.com

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