

DOMESTIC

PROFESSIONAL

INDUSTRIAL

JOLLY SYSTEM

Catalogue

2008

Central vacuum systems



CENTRALISED VACUUM CLEANERS



a world of well being...



Hygiene, comfort and total simplicity



1 Central vacuum cleaner



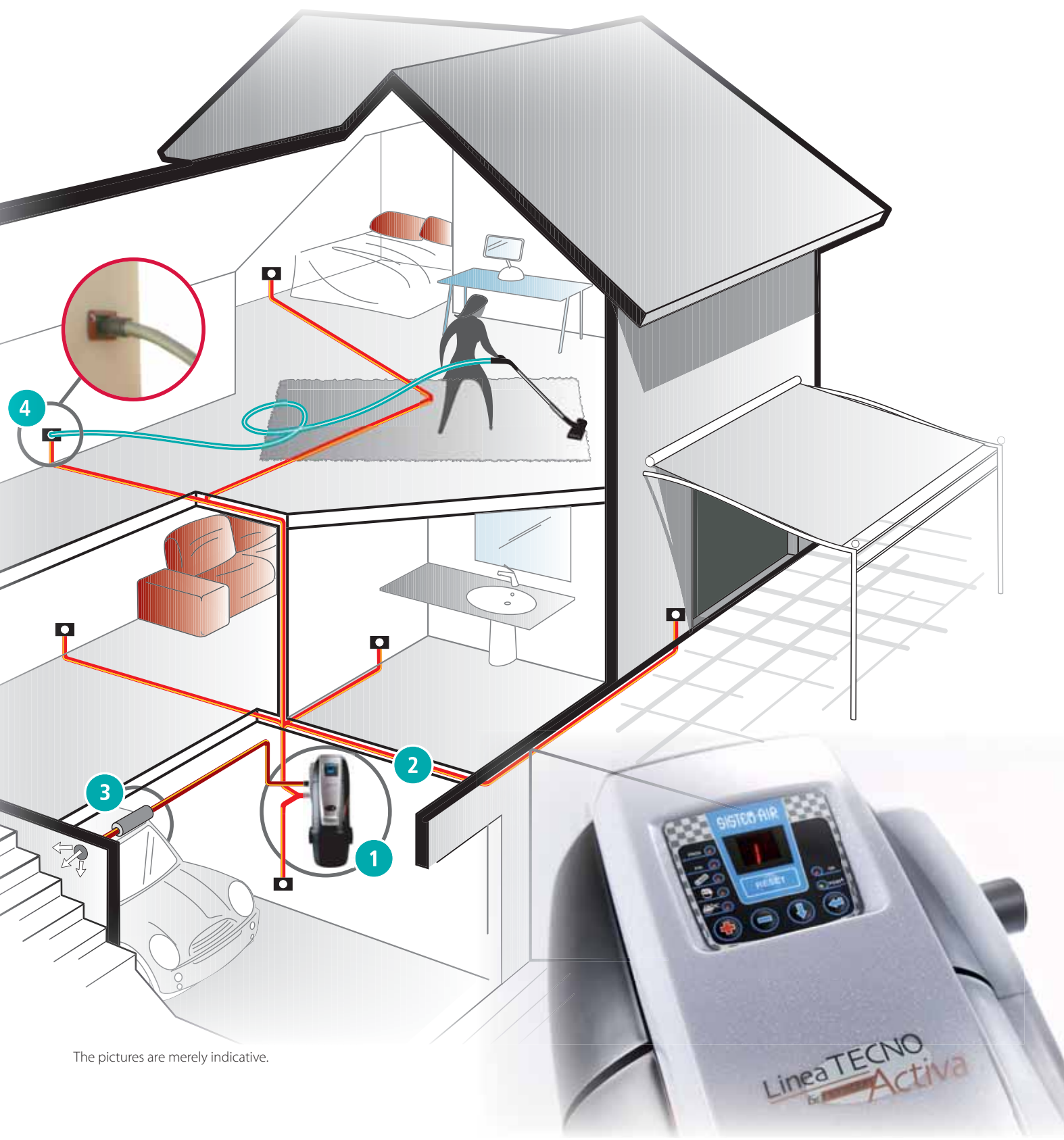
2 Pipes made of PVC



3 Silencer



4 Suction inlet



The pictures are merely indicative.





Sistem-Air is Europe's leading Manufacturer of complete central vacuum systems. Its products stand out for their quality, innovation and design. It is deeply involved in the training of its distributors and installers for years. Its objective is to continually upgrade the quality level of both the products themselves and the entire system. Sistem-Air is committed in providing its customers with constant research & design, striving to increase its sales, a constant challenge to its competitors. Thorough knowledge of the foreign market has created an interactive communication channel, which results in high quality user friendly products.



continuous evolution



The design department produces top quality results achieving an excellent quality to price ratio, considerable energy savings and a product range for all requirements. Design and the wide of products represent the distinctive the Sistem-Air brand.



ADI DESIGN 2002



informative material/support for both users and installers



The marketing tools provided by Sistem-Air are a fundamental element for solid information. Thanks to the information provided, more exacting decisions can be made; the Internet gives you fast access to our on-line data, our DVD offers a wide panorama on the products and systems, whilst hard copy information is still the most proffered method. Please contact us for further information.



List of available items:

- General catalogue
- Information DVD
- Cost estimation software
- List of specifications
- Certification
- WebSite: **www.sistemair.it**
- Email: **info@sistemair.it**

IMPIANTO CENTRALIZZATO DI ASPIRAZIONE SISTEM-AIR INFORMAZIONE PUBBLICITARIA

SISTEM-AIR
ASPIRATORE CENTRALIZZATO

IGIENE e COMFORT all'insegna della SEMPLICITA'

Perché la casa è più facile, intelligente e silenziosa. Come? Con il SISTEMA di aspirazione centralizzato. La centrale aspirante può essere collegata in un locale di servizio o sul balcone, da dove si dirama una rete tubaria pressurizzata verso il pavimento, o parete o nel soffitto, che va a terminare nei diversi locali con delle bocchette aspiranti per effettuare le pulizie facilmente e silenziosamente. Il tutto è controllato da un unico telecomando. I vantaggi sono evidenti. Primo, il comfort: non è necessario portarsi la spina e il tubo ovunque si vuole aspirare. Secondo, il silenzio: non si produce nessun rumore nelle stanze, perché l'aspiratore lavora molto silenziosamente e a bassa velocità, a differenza di un aspiratore tradizionale, che produce un rumore molto forte. Inoltre, gli anni e i polveri, sono per la salute.

Come si installa. L'impianto di aspirazione centralizzato SISTEM-AIR si installa quando la casa è in costruzione o in ristrutturazione. Il sistema deve collegare gli aspiratori disposti sotto il pavimento o nelle pareti o nel soffitto ad un motore aspirante grande come un aspiratore da porta in uno spazio di 10x10 cm.

Miglior prezzo qualità. Oggi sempre più famiglie scelgono il sistema di aspirazione centralizzato SISTEM-AIR. Meglio chiedere all'istituto di installare l'intero impianto o almeno gli elementi della predisposizione. Per non avere domani inutili rimpianti.

Un impianto alla portata di tutti. Anche nel prezzo, i costi non superano quelli di un aspiratore di buona qualità. Basta sapere scegliere l'azienda che sa garantire il professionista SISTEM-AIR lavoro nel settore da vent'anni.

IGIENICO • SICURO • SILENZIOSO • PRATICO • POTENTE • VERSATILE

www.sistemair.it Tel. +39 0381 650082



spreading the culture of the system

SISTEM-AIR invests a great deal of effort in trade shows and exhibitions in order to standardize its message to the public.

Sistem-Air proposes two kinds of exhibitions. The first is aimed at the end user, in order to stimulate their awareness of the brand, and the benefits offered by the system. The second is specifically for installers of the system, aiming at informing them on how to correctly install the different systems and informing them of upcoming new products and innovations.

In our regularly scheduled meetings, our strategy and our goals are constantly monitored with respect to the needs of tomorrow's market.



the Sistem-Air brand worldwide

Think globally, act locally. This has resulted in us exporting products to a continually increasing number of areas around the globe. This expansion has been achieved thanks to our clever positioning of importers that guarantee the quality of the Sistem-Air brand. They are expected to promote our brand clearly and innovatively. On the other hand, we can guarantee them a solid business relationship based on seriousness and stability. Research and development highlight Sistem-Air's commitment to the central vacuum market. The strong financial position of our company can guarantee our foreign client, stability and growth. Meanwhile, Sistem-Air has acquired a much greater knowledge of worldwide market requirements. This cultural exchange has made our R & D easier. Our IT systems with a continually updated web site, provides access to all for updates on promotions and about new products and services.

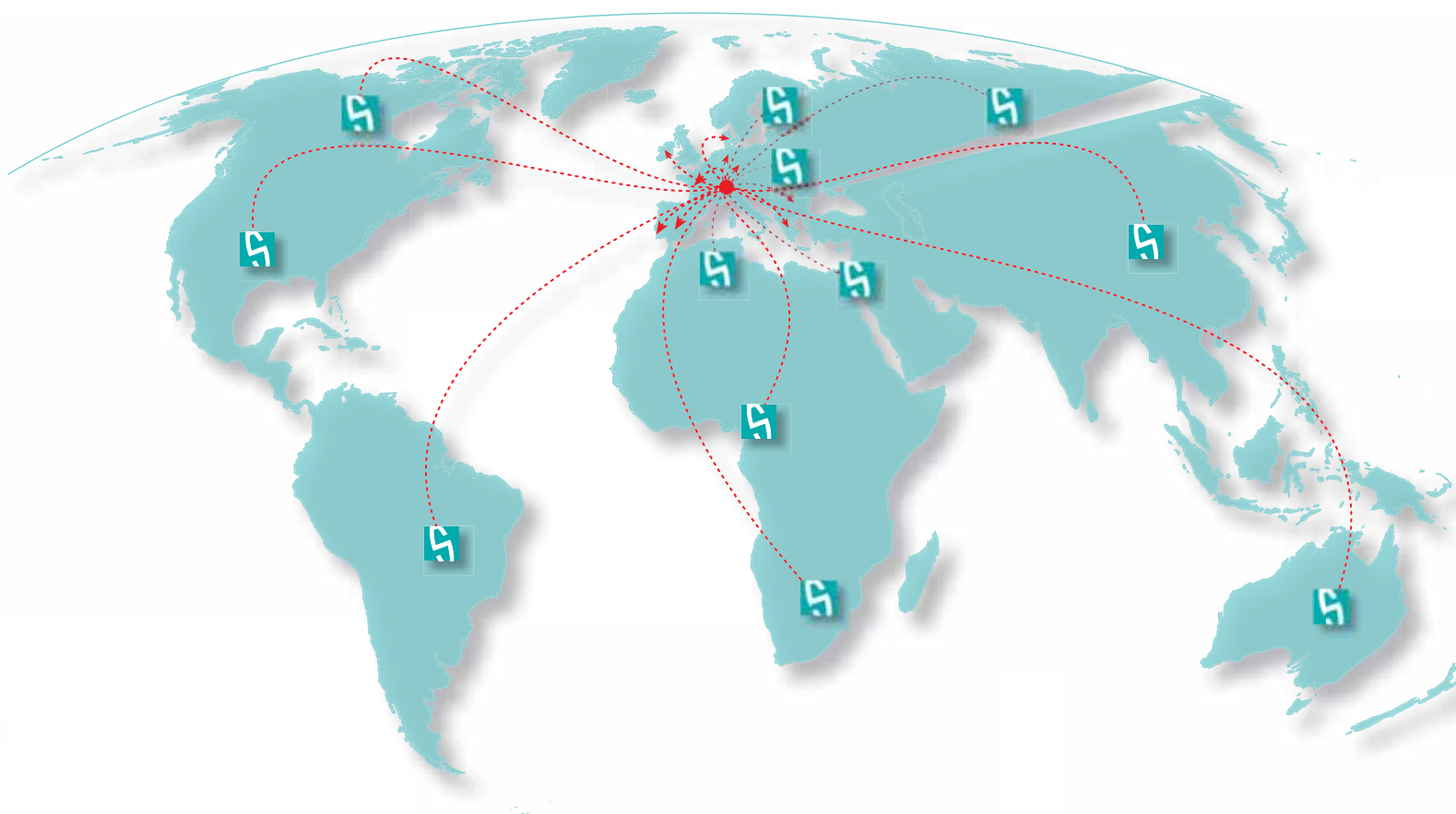
www.sistemair.it

CEE Countries

- Austria
- Denmark
- Finland
- France
- Germany
- Greece
- Ireland
- Portugal
- Czech Republic
- Slovakia
- Slovenia
- Espana
- Spain
- Hungary

Extra CEE Countries

- Africa (Africa del Sur, Tunisia, Cameron)
- Australia
- Bosnia and Herzegovina
- Brazil
- Canada
- China
- Croatia
- Kosovo
- Liban
- Moldova
- Norway
- Romania
- Russia
- Serbia
- United States





INDEX

DOMESTIC

Central Vacuum Cleaners from 30 to 450 m ²	
• Tecno Evolution Generation line - Tecno Activa Generation line	14
Central Vacuum Cleaners up to 450 m ² – 2 operators	
• Serie TECNO STAR	22
Central Vacuum Cleaners for vertical building up to 120 m ²	
• Sistem CUBE	30
Built-in Central Vacuum Cleaners for vertical building up to 300 m ²	
• WOLLY	36

DOMESTIC

Central Vacuum Cleaners for pre-built houses	
• System JOLLY	42

PROFESSIONAL

Central Vacuum Cleaners up to 600 m ²	
• Tecno Block Mini Line	52
Central Vacuum Cleaners up to 1200 m ²	
• Tecno Block Maxi Line	58

INDUSTRIAL

• Dust separators	68
• Blowing Power units	74
• Peripherals of central units	83

INSTALLATION

• Installation	96
• Installation elements	102
• Sistem Case	103
• Installation Kit	108
• Electronic control systems	110

Back plates and suction inlets

• Chase mounting plates	114
• Extension kit	120
• Domestic inlet valves	122
• Special inlet valves	126
• Valpan	128

Cleaning accessories

• Complete accessories	132
• Single accessories Ø 32 mm	135
• Single accessories Ø 40 mm	139
• Special Cleaning separators	140
• Reel accessories	141

EQUIPMENTS AND SYSTEMS

• Equipments	144
• Sistem Test	146

SPARE PARTS

• Spare parts for domestic series	148
• Spare parts for professional series	151
• Spare parts for industrial series	153

• Alphabetic contents	154
• Article contents	155
• Description of homologation/Compliance with regulations	160



DOMESTIC

Central vacuum cleaners Serie Tecno Activa/Tecno Evolution



+ performance - noise
= tranquility



NEW Generation





Serie TECNO Evolution Generation Serie TECNO Activa Generation

Up to 450 m² - 1 Operator



IP44



Classe II



STANDARD

MEDIA

MINI



TECNO Activa with
built in computer
3 year WARRANTY



Tecno Evolution
without built in
computer
1 year WARRANTY



RECOMMENDED INSTALLATION

The central units are fitted with a connection for an air vent. This is essential for sending the microscopic dust particles that the filter cartridge cannot contain, outside. These central units can be fitted in plant rooms, under the stairs, cupboards, etc... The IP44 insulation level allow for installation in the open air such as on balconies or in particularly damp environments. At the planning stage, it is advisable to identify the best location for the central unit with respect to the system, leaving a reasonable amount of space for installation, use and maintenance. Speedy and accurate positioning of the central unit with respect to the piping network can be done using the positioning template provided. In the event of a system on several floors, it should be installed on the bottom floor.

INSTALLATION AREA

The central units in the 'TECNO Evolution' Generation and 'TECNO Activa' Generation series are used for domestic installations and residential systems with the following characteristics:

- area to be cleaned between 30 and 450 m²
- piping network with 50 mm diameter pipe
- 220/240 V ac single phase power
- discharge of filtered air outside
- suitable for one user at a time.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

- **Thanks to the IP44** electric insulation level, the central units can be installed in areas subject to damp, on balconies or even in airing cupboards.
- The central units can be connected to the piping network with dust entrance from either the right or left.
- They are fitted with safety heat sensors to protect the motor and with automatic shut down or restart, in the event of overheating
- They comply with the high electric and mechanical safety standards imposed by the **IMQ** body and have received the approved label.
- The polyester **filter cartridge is certified BIA – USG** and can be washed with water.
- The product stands out for its **Level 2** insulation category (it does not require to be earthed).
- Using the template provided (art. 4300.0) when setting up the system, will ensure that the unit is correctly installed without problems, errors or time wasting.

TECNO Activa Generation also has a **built in computer** to control and manage the maintenance cycles; it offers the possibility of connecting to an auxiliary modem as a maintenance warning, as well as the possibility of a connection to the remote control panel in order to view the maintenance cycles.

TECNO Activa (TA) comes with a 3 year warranty.

MAIN CHARACTERISTICS

The construction is entirely made vibration proof, sound proof plastic and with rust proof screws and bolts.

It offers maximum quietness when running, thanks to the enclosure of the motor in a vibration proof hood. It is fitted with double protection electronic power and control board with fuse block switches both on the main and secondary circuit. The power of the motor should be selected according to the end user's requirements. The dust collector is fitted with comfortable handles and can be used without a dust bag.

The 'TECNO' range has 14 central vacuum unit models so that the product can perfectly satisfy the different size requirements and surface areas to be cleaned.



CENTRAL UNIT SELECTION TABLE

The central units can be used by a single operator. The central vacuum units should be selected according to the surface area to be cleaned, in order to ensure long life and best performance over time. Once the size of the surface area has been established, one can start applying certain selection criteria, such as the computer maintenance warning cycle, the capacity of the dust holders, the filtering surface and the size of the central unit.

Maximum surface	MODEL	ARTICLE	Maximal inlet valves	Operators maximum simultaneous	Maintenance computer	Dust container capacity (l)	Filtering surface (cm²)	Power supply (Volt ac)	Motor power (kW)	Air volume (m³/h)
Max 150 m²	MINI TE	3107.1TE	4	1	NO	15	3100	220/240	1,3	234
	MINI TA	3107.1TA	4	1	YES	15	3100	220/240	1,3	234
	MEDIA TE	3108.1TE	4	1	NO	15	6700	220/240	1,3	234
	MEDIA TA	3108.1TA	4	1	YES	15	6700	220/240	1,3	234
	SA 050/TE	3110.1TE	4	1	NO	21	6700	220/240	1,3	234
	SA 050/TA	3110.1TA	4	1	YES	21	6700	220/240	1,3	234
Max 250 m²	MEDIA PLUSTE	3109.1TE	7	1	NO	15	6700	220/240	1,4	184
	MEDIA PLUS TA	3109.1TA	7	1	YES	15	6700	220/240	1,4	184
	SA 100 TE	3112.1TE	7	1	NO	21	6700	220/240	1,4	184
	SA 100 TA	3112.1TA	7	1	YES	21	6700	220/240	1,4	184
Max 350 m²	SA 200 TE	3113.1TE	11	1	NO	21	6700	220/240	1,9	309
	SA 200 TA	3113.1TA	11	1	YES	21	6700	220/240	1,9	309
Max 450 m²	SA 400 TE	3115.1TE	16	1	NO	21	6700	220/240	2,1	320
	SA 400 TA	3115.1TA	16	1	YES	21	6700	220/240	2,1	320

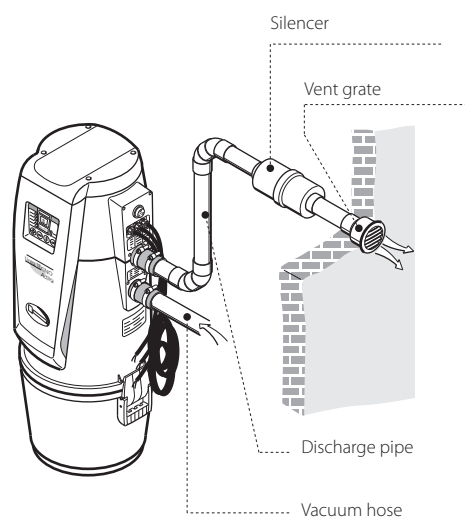
TA = TECNO Activa TE = TECNO Evolution



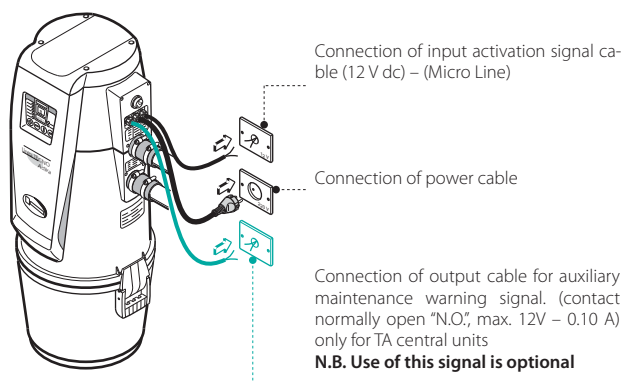
The units of the TECNO Generation series can be connected to the piping system either from the left or from the right (also possible with the 'sistem case'). Thanks IP 44 protection, the

central units of the TECNO Generation series can be installed in humid or dusty locations.

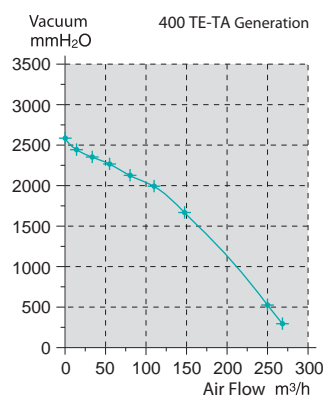
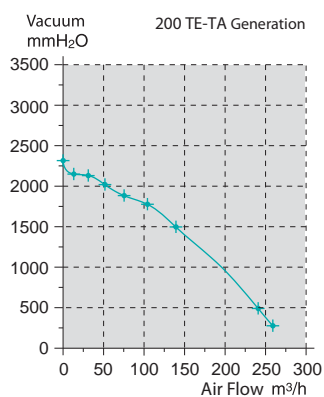
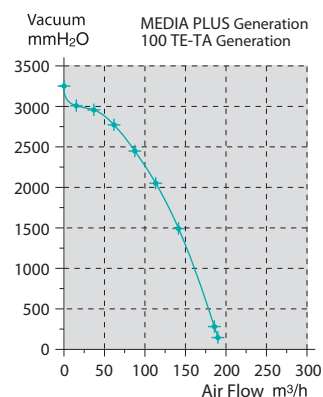
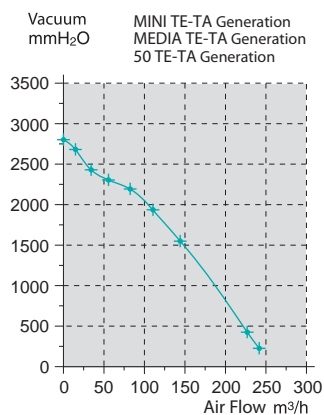
CONNECTION TO THE PIPING NETWORK



ELECTRIC CONNECTION



PERFORMANCE GRAPHS





TECHNICAL SPECIFICATIONS

The central units of the TECNO Generation series are made from plastic, polypropylene and ABS, and are resistant to atmospheric pollutants. They have been designed and built in compliance with the strictest criteria imposed by current legislation and EU directives, without, however, neglecting the fundamental elements such as operational ability, power and capability of use.

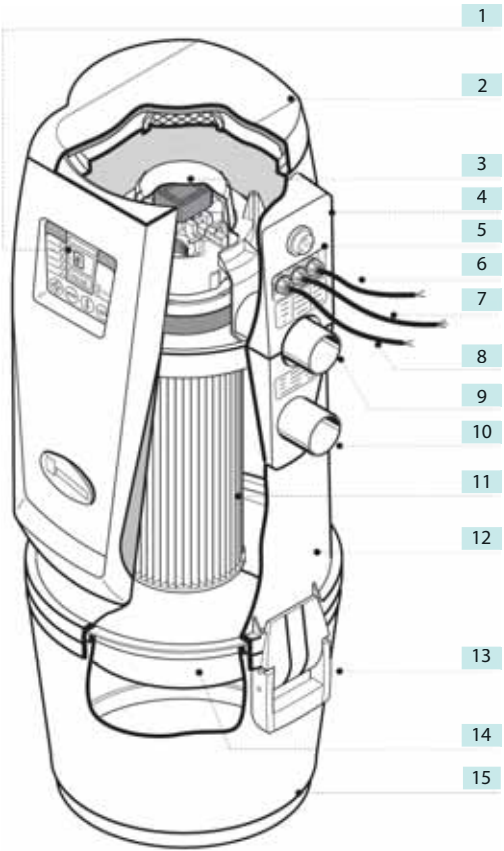
The main technical characteristics can be listed as follows:

- self-supporting cylindrical polypropylene body.
- protection and covering in Polypropylene and ABS.
- Polypropylene dust collector with handles (capacity depends on the model).
- Soundproof motor compartment (central unit noise level below 70 dB).
- Option of connecting the piping from either the right or left.
- Rotor-motor body made up of a single –phase electric brush motor and rotor packs.
- Heat safety probe to protect the engine group, with automatic shut down and restart.
- Double protection electric control board with fuse block switches both on the main and secondary circuit.
- 12 V dc power to inlet valves.
- BIA-USG certified polystyrene filter cartridge, washable with water (for filtering surfaces, see individual models).
- Computer for maintenance cycle control (only on TA series) with LED signal when dust container is full, filter cartridge to be cleaned and motor maintenance.
- Arrangement for connection to an auxiliary maintenance warning modem (only TA range).
- Option of connecting to remote wall panel (art. 4200.6) that can be connected to all the central unit models.

Warning

When as a result of particular installation needs, the central vacuum unit is placed in upper floors of a building with respect to the piping network (attic, etc...), it is essential to use a central vacuum unit of a higher category than the one suitable for the surface area to be cleaned (we would advise you to consult with SISTEM-AIR's design office).

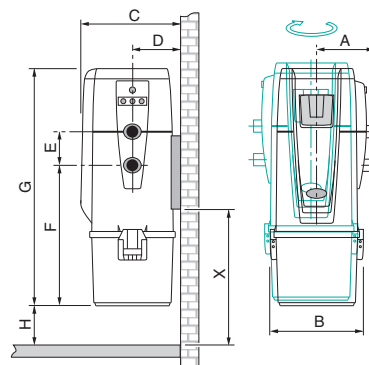
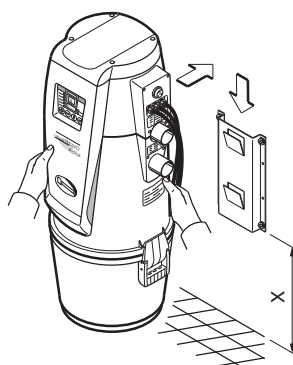
N.B: if a fuse has to be replaced, make sure you use the correct amperage and that it is a SB fuse-motor. Stick rigorously to IEC and national power supply regulations during installation.



1	Computer maintenance (only with Tecno Activa Generation central units)
2	Soundproof dome
3	Motor body
4	Electronic card housing panel
5	Starter button
6	Activation signal cable (Micro Line)
7	Electric power cable
8	Auxiliary maintenance signal cable (only for Tecno Activa Generation central units)
9	Air vent
10	Dust inlet
11	Filter cartridge
12	Machine body
13	Handle and closure hook
14	Conveyor cone
15	Dust container

INSTALLING THE CENTRAL UNIT

The central unit is mounted on the supplied mounting bracket. This must be securely and permanently fixed to a wall with appropriate plugs, considering that the overall weight can reach as much 7/8 times the weight of the central unit itself. (See Technical Data table).


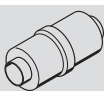
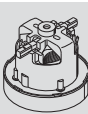
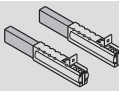
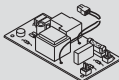
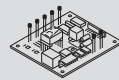

MEASUREMENT TABLES AND TECHNICAL DATA

		TECNO Evolution Generation								TECNO Activa Generation							
		3107.1TE	3108.1TE	3109.1TE	3110.1TE	3112.1TE	3113.1TE	3115.1TE	3107.1TA	3108.1TA	3109.1TA	3110.1TA	3112.1TA	3113.1TA	3115.1TA		
ART.	MODEL	MINI TE	MEDIA TE	MEDIA PLUS TE	SA 50 TE	SA 100 TE	SA 200 TE	SA 400 TE	MINI TA	MEDIA TA	MEDIA PLUS TA	SA 50 TA	SA 100 TA	SA 200 TA	SA 400 TA		
	Computer maintenance	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES		
	Vacuum attachment	Ø mm	50	50	50	50	50	50	50	50	50	50	50	50	50		
	Insulation level	IP	44	44	44	44	44	44	44	44	44	44	44	44	44		
	Power	Volt ac	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240	220/240		
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60		
	Motor power	kW	1,3	1,3	1,4	1,3	1,4	1,9	2,1	1,3	1,3	1,4	1,3	1,4	1,9		
	Absorption	A	5,6	5,6	6,5	5,6	6,5	8,2	9,5	5,6	5,6	6,5	5,6	6,5	8,2		
	Socket supply	Volt dc	12	12	12	12	12	12	12	12	12	12	12	12	12		
	Maximum air flow	m³/h	234	234	184	234	184	309	320	234	234	184	234	184	309		
	Filtering surface areas	cm²	3100	6700	6700	6700	6700	6700	3100	6700	6700	6700	6700	6700	6700		
	Dust container capacity	l	15	15	15	21	21	21	21	15	15	15	21	21	21		
	Air vent		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES		
	Air discharge silencer		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES		
	Weight	kg	8,5	9,5	10	17	17	19	19	9	10	10,5	17,5	17,5	19,5		
	Measurement A	mm	210	210	210	230	230	230	230	210	210	210	230	230	230		
	Measurement B	mm	325	325	325	370	370	370	370	325	325	325	370	370	370		
	Measurement C	mm	345	345	345	380	380	380	380	345	345	345	380	380	380		
	Measurement D	mm	168	168	168	185	185	185	185	168	168	168	185	185	185		
	Measurement E	mm	108	108	108	108	108	195	195	108	108	108	108	108	195		
	Measurement F	mm	315	465	465	585	585	585	585	315	465	465	585	585	585		
	Measurement G	mm	650	805	805	915	915	915	915	650	805	805	915	915	915		
	Measurement H	mm	100	100	100	100	100	100	100	100	100	100	100	100	100		
	Measurement X	mm	350	350	350	500	500	500	500	350	350	350	500	500	500		
	Noise level lower than	dB(A)	70														



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



SPARE PARTS TABLE

	ART.	TECNO Evolution Generation							TECNO Activa Generation						
		3107.1TE	3108.1TE	3109.1TE	3110.1TE	3112.1TE	3113.1TE	3115.1TE	3107.1TA	3108.1TA	3109.1TA	3110.1TA	3112.1TA	3113.1TA	3115.1TA
	MODEL	MINI TE	MEDIA TE	MEDIA PLUS TE	SA 50 TE	SA 100 TE	SA 200 TE	SA 400 TE	MINI TA	MEDIA TA	MEDIA PLUS TA	SA 50 TA	SA 100 TA	SA 200 TA	SA 400 TA
 Filter cartridge Quantity = 1 piece	ARTICLE														
	1610.0														
	1610.5														
 Ø 50 mm-2" air vent silencer Quantity = 1 piece	110001														
 Motor body Quantity = 1 piece	1623.7														
	1623.8														
	1623.9														
	1623.10														
	1623.11														
 Motor brushes Quantity = 1 piece	1611.10														
	1611.11														
 Electric board for motor Quantity = 1 piece	1612.4														
 Electric board for computer Quantity = 1 piece	1612.5														

ACCESSORIES TABLE

	ART.	TECNO Evolution Generation							TECNO Activa Generation						
		3107.1TE	3108.1TE	3109.1TE	3110.1TE	3112.1TE	3113.1TE	3115.1TE	3107.1TA	3108.1TA	3109.1TA	3110.1TA	3112.1TA	3113.1TA	3115.1TA
	MODEL	MINI TE	MEDIA TE	MEDIA PLUS TE	SA 50 TE	SA 100 TE	SA 200 TE	SA 400 TE	MINI TA	MEDIA TA	MEDIA PLUS TA	SA 50 TA	SA 100 TA	SA 200 TA	SA 400 TA
 Remote control wall panel Quantity = 1 piece	ARTICLE														
	4200.6														
 Bag and bag string Quantity = 10 bags + 10 bag strings	1614.4														



TECNO
★ ★ *Star*

turbo function
= maximum suction
power



TECNOStar





Serie TECNO Star

Up to 450 m² - 2 Operators

IP20



Classe I



RECOMMENDED INSTALLATION

The central units from the TECNO Star range are fitted with an air vent connection which is essential for expelling the microscopic dust that the filter cartridge cannot contain, outside. It should be installed in plant rooms, garages and protected from extreme weather conditions and excessive temperature changes. You should choose areas at some distance from heat sources, such as heaters or central heating. (N.B.: IP20 insulation level for central units). At the planning stage, it is advisable to identify the best location for the central unit with respect to the system, leaving a reasonable amount of space for installation, use, maintenance and a correct re-circulation of air around the central unit. Furthermore, its specific building characteristics allow you to connect the central units to the system with piping coming from either the right or left. In the event of a system on several floors, it should be installed on the bottom floor.



INSTALLATION AREA

The TECNO Star central vacuum unit is recommended for residential and has the following characteristics:

- recommended surface area to be cleaned between 300 and 450 m²
- vacuum network built with 50 mm diameter pipe and Ø 63 mm inlet connector to the central unit.
- 220/240 V ac single phase power
- air vent.
- use of the system with up to 2 operators simultaneously (once as the piping network has been properly installed).

PARTICULAR CHARACTERISTICS OF THE PRODUCT

- The TECNO Star range offers the possibility of connecting to the piping network with attachments from either the right or left.
- It is fitted with safety heat sensors to protect the motors and with automatic shut down or restart, in the event of irregularities.
- The polyester filter cartridge is certified BIA – USGC and can be washed with water.
- It is extremely quiet thanks to its large soundproof motor compartment.
- It offers the possibility of connecting up an auxiliary maintenance warning signal (optional usage).
- The possibility of viewing the maintenance cycles from a remote control modem.
- The product stands out for its Category 1 insulation category.
- The central unit has two motors that give greater vacuum power when necessary.
- Delayed start up of the second motor to avoid a high absorption while starting.
- The user can obtain maximum vacuum power by using the Turbo Function, due to the use of two motors on a single micro line.
- A differentiated start up of the motors can be obtained thanks to the creation of two separate micro lines.
- TECNO Star also has a built in computer to control and manage the maintenance cycles.
- The machine unit features epoxy powder painted metal with a support base, and dust container fitted with wheels to make emptying it easier.
- Electronic selection and motor start up board to reduce absorption peak at start up.

CENTRAL UNIT SELECTION TABLE

The TECNO Star central units are fitted with two motors, whose intervention method depends on how the central unit is used, and by the number of micro lines that have been connected up and are in operation. It is in fact, possible to connect 2 micro lines to the central unit that cover two different areas of the vacuum system (for example, two areas of the same system, two levels or, two separate apartments). In fact, it is possible to choose whether to vacuum one single area covered by one micro line with or without greater power (single operator), or distribute the maximum power to vacuum two covered areas from two separate micro lines (with two operators), simultaneously within the same small domestic area.

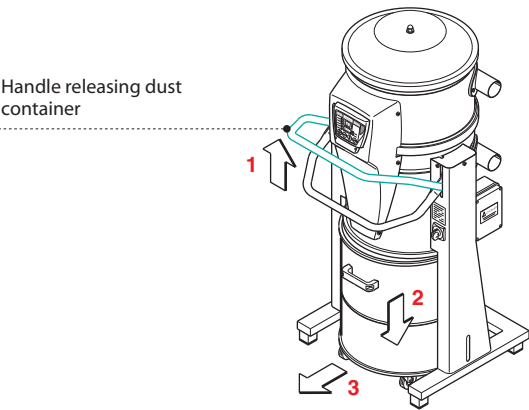
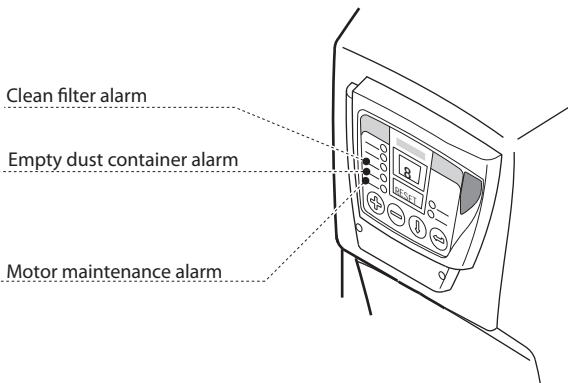
NOTE: Two operators are not possible if the overall surface area is greater than 350 m² or, if the piping network has not been correctly dimensioned. The central vacuum units should be selected according to the surface area to be cleaned, in order to ensure long life and maximum performance over time. (See Chapter dedicated to Plant Engineering).

Overall surface areas	MODEL	ARTICLE	Maximum no. of sockets	Maximum number of operators	Computer maintenance	Dust container capacity (Litres)	Filtering surface areas (cm ²)	Power supply (Volt AC)	Motor power (Kw)	Maximum air flow (m ³ /h)
Max 350 m ² (*) Max 450 m ² (**)	TECNOSTAR	3115.0TS	16	1+1	YES	60	16600	220/240	1,4x2	365

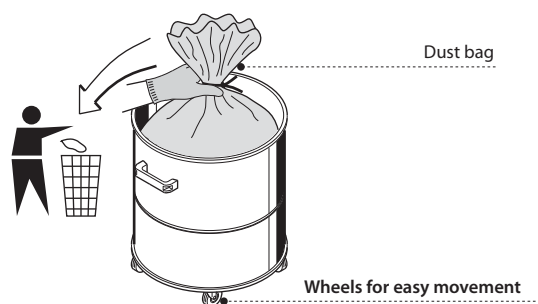
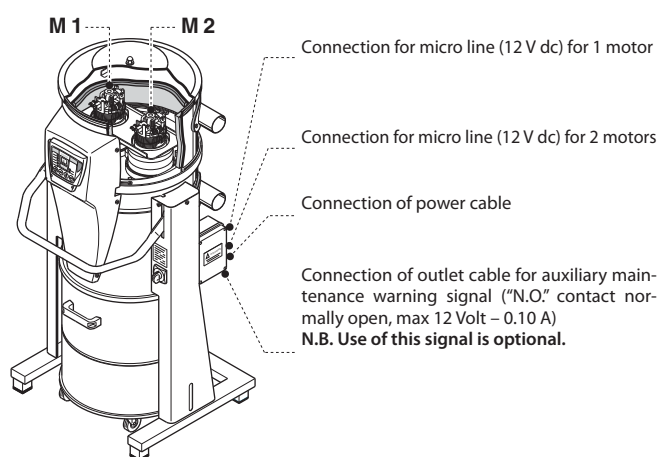
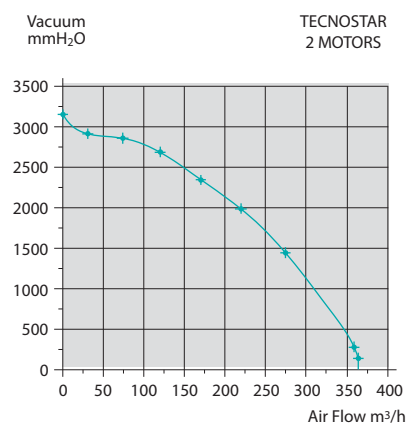
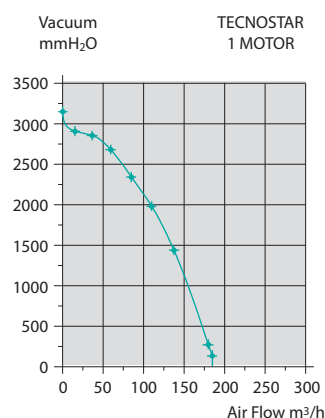
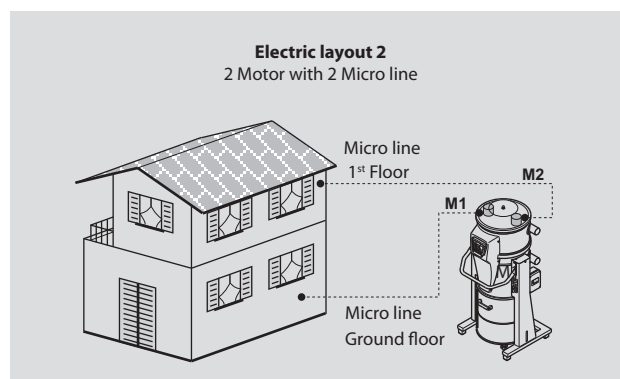
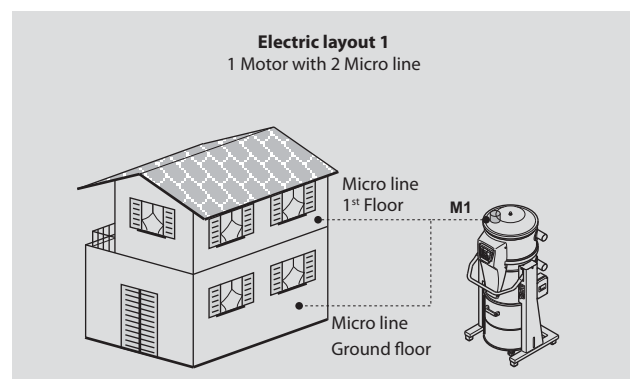
(*) for two separate micro lines (**) for one single micro line

COMPUTER FOR MAINTENANCE CYCLES

Emptying with handle



Thanks to its sound deadening case, the central unit Tecno Star offers a high degree of noiselessness.

DUST CONTAINER ON WHEELS

TWO MOTORS WITH SEPARATE START UP

PERFORMANCE GRAPHS

EXAMPLE OF POSSIBLE USES


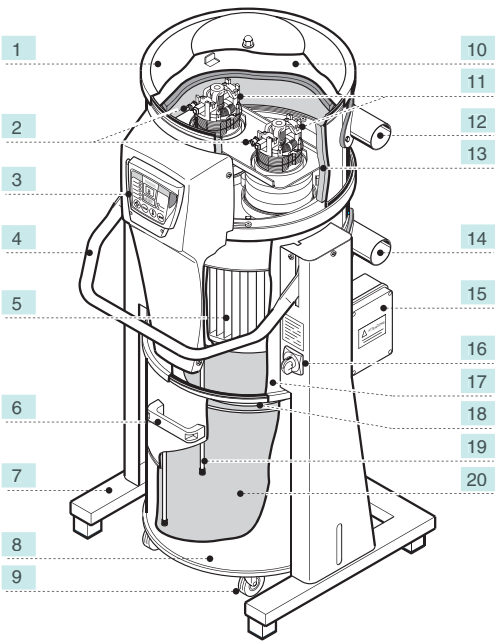
TECHNICAL SPECIFICATIONS

The central vacuum units of the TECNO Star series have been designed and built in compliance with current legislation and EU directives, without however, neglecting the fundamental elements such as operational ability, power and practicality of use.

The main technical characteristics can be listed as follows:

- Cylindrical frame by epoxy powder painted metal.
- Base and supports by epoxy powder painted metal.
- Metal dust container (holds 60 litres) with wheels for movement.
- Bag and string for dust collector, to rapidly and hygienically dispose of the vacuumed matter.
- Soundproof motor compartment (Noise level of central unit: 64 dB A running on one motor, 69 dB A running on two motors).
- Possibility of connecting piping either from right or left.
- Rotating motor body, made up of a single phase electric brush motor.
- Heat safety probe to protect the engine group, with automatic shut down and restart.
- Double protection electric control board with fuse block switches both on the main and secondary circuit.
- Vacuum power sockets with 12 V dc voltage.
- BIA-USG certified polystyrene filter cartridge, washable with water (filtering surfaces: 16600 cm²).
- Built in computer to control the maintenance cycles with signals for emptying the dust collector bin, cleaning the filter cartridge and motor maintenance.
- Set for the connection of a remote auxiliary maintenance warning signal (optional).
- Possibility of controlling two separate micro lines.
- "Turbo" function for more powerful vacuuming with just one activated micro line.

N.B. If a fuse has to be replaced, make sure you use the correct amperage and that it is a SB fuse-motor.
Stick rigorously to IEC and national power supply regulations during installation.



1	Cover
2	Heat safety probes
3	Computer maintenance
4	Dust container open / Close handle
5	Filter cartridge
6	Handle
7	Base
8	Dust container
9	Wheels
10	Soundproof dome
11	Motor body
12	Air vent
13	Soundproof sponge
14	Dust inlet
15	Control panel
16	Main switch
17	Dust separator compartment
18	Conveyor cone
19	Bag string
20	Dust bag

FITTING THE CENTRAL UNIT

The central unit does not need any special mounting. However, you will have to check that the selected area for installation has the following minimum requirements in order for it to be correctly and safely positioned:

- a perfectly flat, horizontal solid resting surface
- the surfaces are not subject to vibrations.

Furthermore, there should be no incongruities that would make the central unit instable.

CONNECTION TO THE PIPING NETWORK

The inlets for the connection to the piping network and air vent piping to the outside can be positioned either on the left or right of the central unit.

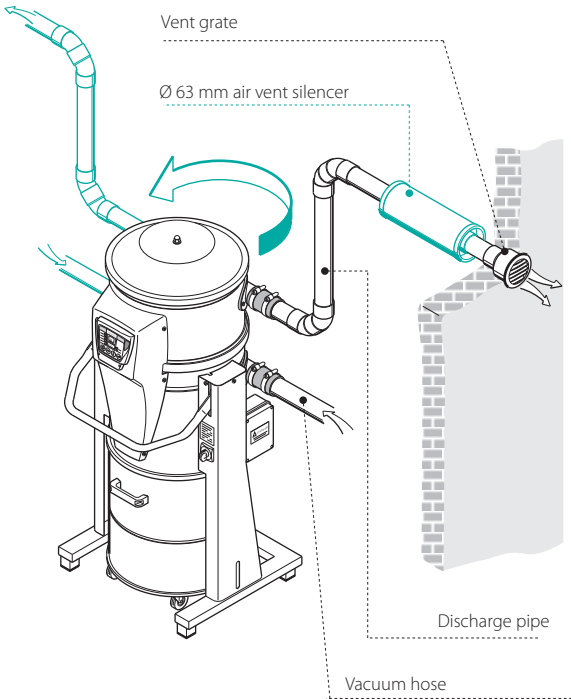
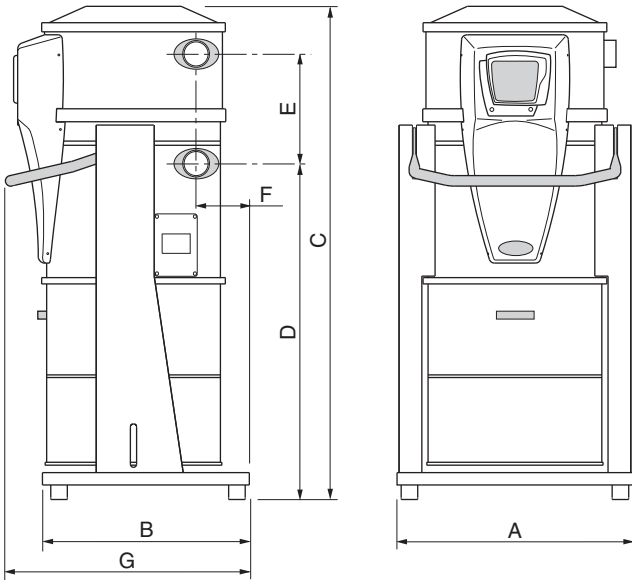


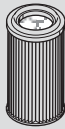

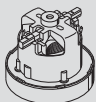
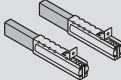
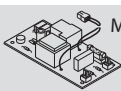
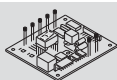
TABELLE MASSE UND TECHNISCHE DATEN

		TECNO Star	
ART.		3115.0TS	
MODEL		TECNO Star	
Computer maintenance		YES	
Vacuum attachment	Ø mm	60	
IP insulation level	IP	20	
Ac power	Volt ac	220/240	
Frequency	Hz	50/60	
Motor power	kW	1,4x2	
Absorption	A	13	
Socket dc power supply	Volt dc	12	
Maximum air flow	m³/h	365	
Filtering surface areas	cm²	16600	
Dust container capacity	l	60	
Air vent		YES	
Air discharge silencer		NO	
Weight	kg	55	
Measurement A	mm	570	
Measurement B	mm	500	
Measurement C	mm	1230	
Measurement D	mm	810	
Measurement E	mm	275	
Measurement F	mm	140	
Measurement G	mm	615	
Noise level with 1 motor	dB(A)	64	
Noise level with 2 motors	dB(A)	69	

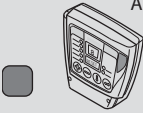
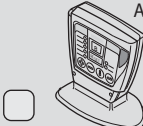
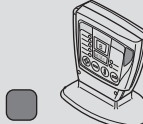
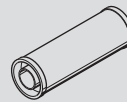
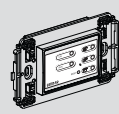


N.B.: Levels of nominal noise. The levels can vary according to the speed of use, environment where the central unit has been installed and the kind of installation.

SPARE PARTS TABLE

	ART.	TECNO Star	
		MODEL	TECNO STAR
ARTICLE			
 Filter cartridge Quantity = 1 piece	1610.7		
 Dust bags Quantity = 20 pieces	1614.2		
 Motor body Quantity = 2 pieces	1613.13		
 Motor brushes Quantity = 2 pieces	1611.9		
 Motor start up board Quantity = 1 piece	1612.9		
 Electronic board for computer Quantity = 1 piece	1612.5		

ACCESSORIES TABLE

	ART.	TECNO Star	
		MODEL	TECNO STAR
ARTICLE			
 Anthracite coloured remote wall panel Quantity = 1 piece	4200.0		
 Aluminium coloured remote table panel Quantity = 1 piece	4200.2		
 Anthracite coloured remote table panel Quantity = 1 piece	4200.3		
 Air vent silencer Quantity = 1 piece	110002		
 Remote control wall panel Quantity = 1 piece	4200.6		



DOMESTIC

SISTEM CUBE



a brilliant solution
for any space



SISTEM c.u.b.e





Sistem CUBE 

Up to 120 m² - 1 Operator



Classe II



INSTALLATION AREA

The Sistem CUBE central vacuum unit is suitable to be installed in domestic environments with the following characteristics:

- Surface to be cleaned up to 120 m²
- Piping system with 40 mm diameter pipe and 40 mm diameter inlet connector to the central unit
- 220/240 V power supply
- Air exhaust to the outside
- Suitable for use by one single operator

DISTINCTIVE FEATURES OF THE PRODUCT

Sistem Cube has all the specifications of a traditional Sistem Air centralised vacuum system, that is, it requires the positioning of a piping network, it sends micro dust outside and requires the use of a simple flexible hose to clean the house. However, this unit stands out thanks to its incredibly compact size (30 cm x 30 cm) that makes it possible to install it in very small spaces such as under the sink, in a store room or on the kitchen balcony. SISTEM CUBE is the best option for installing centralised vacuum systems in vertical buildings. The installation foresees the use of a 40mm diameter pipe, which is very useful in the case of houses with thin foundation, and with a walling up template that allows the complete fitting of the system. The central unit clicks into the template using special hooks. Sistem Air provides Sistem Cube with three different kits, complete with pre-installation, respectively with one, two or three sockets and with all the material needed to complete the pre-installation. The central vacuum units of the Sistem CUBE series are designed to cope with and resolve problems in domestic environments especially in apartment buildings. Built entirely of PP-ABS plastic, it stands out for its sturdiness and reliability, together with a simple, basic line.

MAIN CHARACTERISTICS

Produced in strong plastic, the Sistem Cube offers everyone the advantages of centralised vacuuming as well as the excellent adaptability of a very space-saving solution. Thanks to its small size, it can be placed anywhere, such as in the boiler room or under the kitchen sink. The dust can be easily removed thanks to a practical paper bag inside the unit, that can be easily and quickly pulled out. As the lid on the central unit has no screws, the bag can be replaced quickly and cleanly. Another particularly interesting characteristic is that this new central unit is already provided with a complete cleaning accessory kit with 9 m hose: with a single item code it will be possible to receive useful material to get the new central vacuum system ready for use.



SELECTION TABLE

The central vacuum unit Sistem CUBE was conceived to be used in a domestic environment, in situations in which the available room for installation is very limited. The particular piping system with reduced diameter allows a high suction power. The installation cannot exceed three sockets.

Overall surface areas	MODEL	ARTICLE	Maximum no. of sockets	Maximum number of operators	Vacuum/discharge attachment Ø mm	Dust bag capacity (Litres)	Security filter	Power supply (Volt AC)	Motor power kW	Maximum air flow (m³/h)
Max 120 m²	Sistem CUBE	8300.0	3	1	40	5	YES	220/240	1	178

The central vacuum unit Sistem CUBE is supplied with a complete cleaning accessory kit with 9 m hose.

Template for pre-installation (art. 8300.10)

The template for the pre-installation is the support for connecting the central vacuum unit Sistem CUBE to the wall and allows a quick and precise installation.

NB: The connection to the piping system for suction and exhaust as well as the electric connection to the micro line and to the power supply should be done through the template.



RECOMMENDED INSTALLATION

The central Sistem CUBE vacuum unit is suitable for installation on surfaces up to 120 m², with a **maximum of three sockets**.

The 40 mm diameter pipe allows the installation also in houses with reduced foundation. The specific template makes the pre-installation easier, because all you need to install the unit is to insert the central unit onto the template itself.

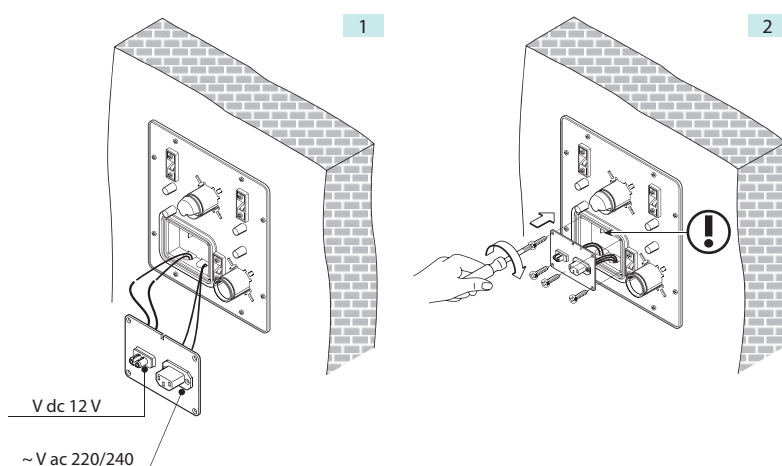
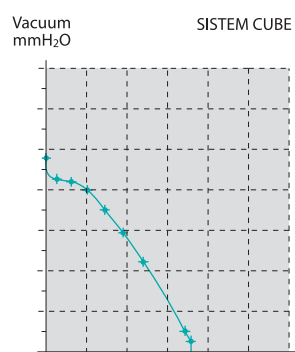
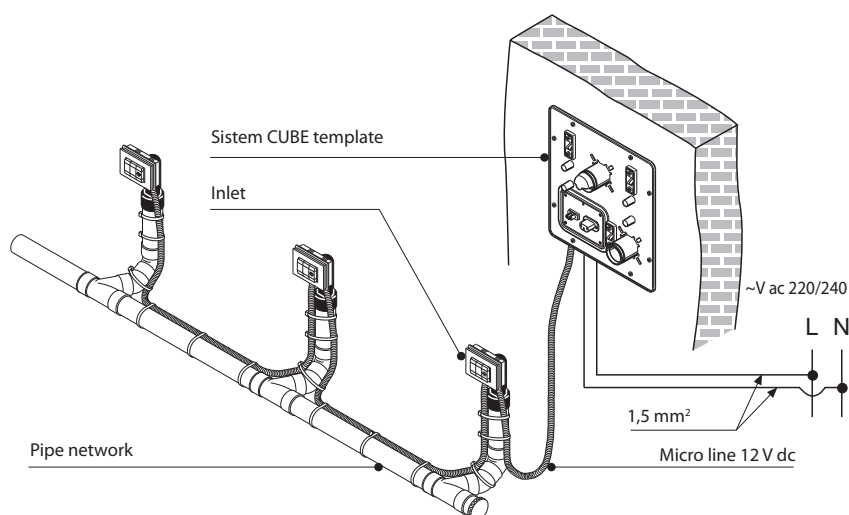


Thanks to the soundproof material and to the care with which it was designed and produced, Sistem CUBE can be installed both inside and outside the house. The little dimensions of the central

vacuum unit Sistem CUBE allow the installation of the same also where the available room is very reduced.

WIRING OF THE TEMPLATE

1. Wire the connectors of the panel with the cables going out from the template.
2. Screw the panel on the template taking care of the centring mark.

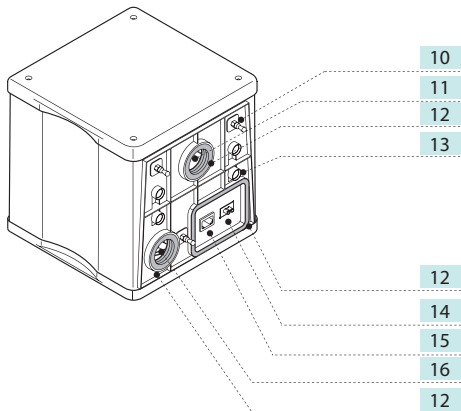
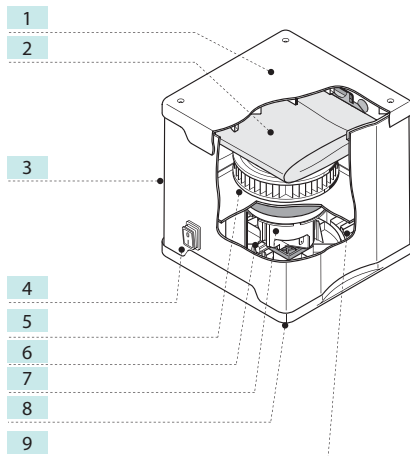
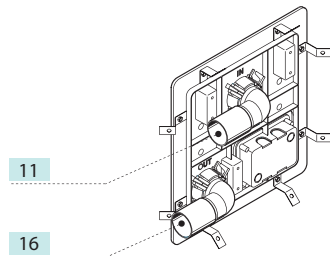
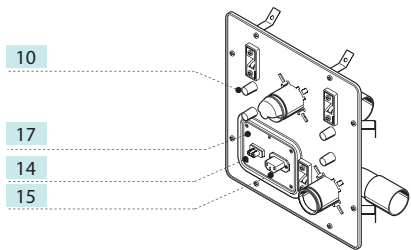

PERFORMANCE GRAPHIC

ELECTRICAL CONNECTION SISTEM CUBE


TECHNICAL SPECIFICATIONS

The central vacuum unit Sistem CUBE complies with the standards provided for by current regulations and EU directives. Furthermore, it provides functionality, rationalization of spaces, power and easiness of use.

The main technical specifications can be summarized as follows:

- frame and support structure made of PP-ABS plastic
- 5 litre dust bag
- Motor unit with direct cooling motor
- Heat safety probe to protect the engine group, with automatic shut down and restart
- Electronic control card with protection fuse
- Vacuum power sockets with 12 V voltage
- Safety filter cartridge washable in water
- Designed for systems with 40 mm diameter piping
- System kits available separately with 1, 2 or 3 sockets
- Template available for air inlet/outlet that can be adjusted at 360°
- Power supply and pre-cabled micro line in the template with specific female connectors
- Sistem Cube central unit complete with male connectors and easy hooking to the template



1	Cover
2	Dust bag
3	Machine body
4	Main switch
5	Filter security
6	Sonda termica di sicurezza
7	Motor
8	Cover motor
9	Electronic board
10	Pins centering
11	Dust inlet
12	Gasket
13	Holes centering
14	Micro connector line
15	Power connector
16	Air vent
17	Electrical box

FIXING OF THE UNIT

The central unit Sistem CUBE is to be inserted in the special template (art. 8300.10) which was first wired. While inserting the unit it is important to make the centring pivots correspond with the holes on the unit and on the template.

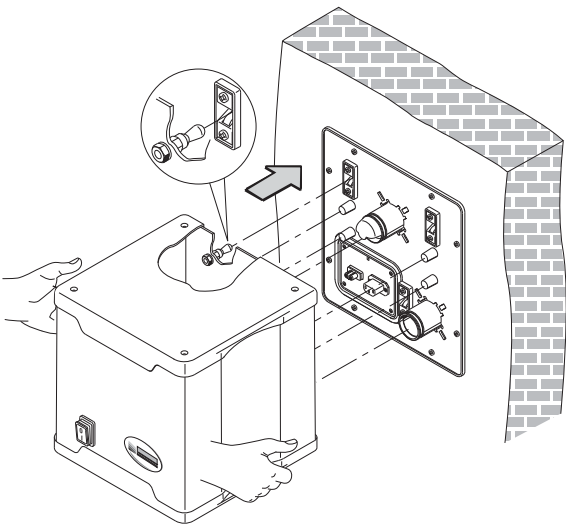
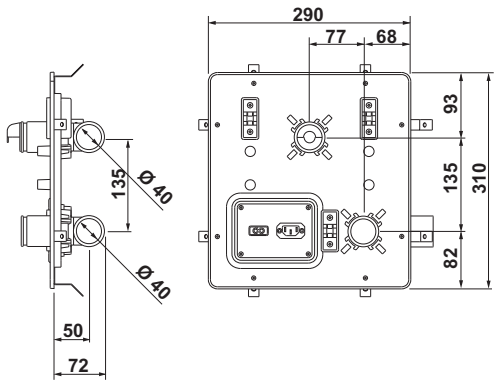
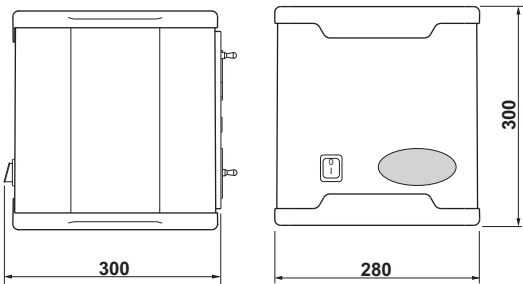


TABLE OF MEASURES AND TECHNICAL DATA

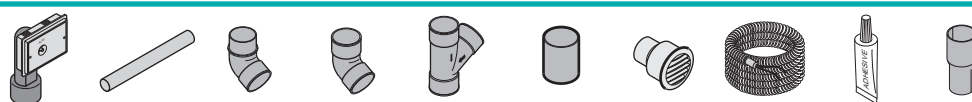
		Sistem CUBE
ART.		8300.0
MODEL		Sistem CUBE
Maximum number of operators		1
Maximum surface	m ²	120
Number taken recommended		3
Cleaning accessories Kit		YES
Supply	Volt	220/240
Frequency	Hz	50/60
Motor power	KW	1
Absorption	Ampere	4,5
Maximum capacity	m ³ /h	178
Supply sockets	Volt	12
Filter security		YES
Dust container capacity	Liter	5
Weight	Kg	4
Width	mm	290
Height	mm	310
depth	mm	290
Vacuum attachment	ø mm	40
Unloading attack	ø mm	40



N.B.: Levels of nominal noise. The levels can vary according to the speed of use, environment where the central unit has been installed and the kind of installation..



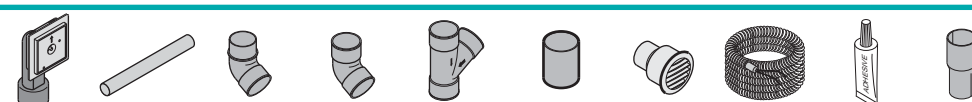
Ø 40 installation kit with rectangular mounting plates



ARTICLE	No. OF sockets	EC mounting plate Pieces	PVC Pipes m	MF elbow Pieces	FF elbow Pieces	FFF derivation Pieces	Coupling Pieces	Vent grate Pieces	Conduit m	Special glue Pieces	Pipe adapter 40/50
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

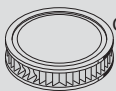
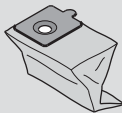

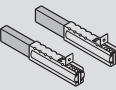
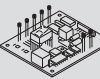


Ø 40 Installation kit with square mounting plates



ARTICLE	No. OF sockets	EC mounting plate Pieces	PVC Pipes m	FF elbow Pieces	FF elbow Pieces	FFF derivation Pieces	Coupling Pieces	Vent grate Pieces	Conduit m	Special glue Pieces	Pipe adapter 40/50
7030.01E	1	1	10	5	7	-	5	1	12,5	1	2
7030.02E	2	2	15	10	14	1	10	1	25	2	3
7030.03E	3	3	20	15	21	2	15	1	25	3	4

TABLE OF SPARE PARTS

Sistem CUBE		
ART.		8300.0
MODEL		Sistem CUBE
ARTICLE		
 Filtre cartridge Quantity = 1 Piece	1610.15	
 Bags Quantity = 10 Pieces	1614.15	
 Motor Quantity = 2 Pieces	1623.15	
 Motor brushes Quantity = 2 Pieces	1611.15	
 Electronic board Quantity = 1 Piece	1612.8	



Wolly

Up to 300 m² - 1 Operator

IP 44



Classe I



INSTALLATION AREA

The Wolly built-in central vacuum unit are suitable to be used in residential area on surfaces up to 300 mq.

The compact dimensions and the versatility of installation makes of it the ideal solution for all those applications that take back to collective and/or vertical building.

CHARACTERISTICS OF PRODUCT

- Thanks to IP 44 insulation level, the installation is allowed even in humid places, on balconies and boiler rooms
- They are equipped of safety thermic sensor for protection of motor, with switching off and automatic restoration in case of fault
- Possibility of connection to pipes net with dust entry on right and on left, while the air discharge can be carried (left/right) or frontal;
- They are predisposed to accept pipes of diam. 40 and 50 mm;
- Filter cartridge with advanced technology;
- Soft Start device to reduce consumption during the motor start;
- High soundproofing level, thanks to adoption of sound absorbent devices for all unit components
- Built-in case of installation proneness:
- Pearl aesthetic finishing
- **Equipped with dedicated accessories kit**

MAIN CHARACTERISTICS

Thanks to last generation motors and to careful planning, the Wolly unit allows to do cleaning on surfaces up to 300 mq in only 63 cm of hight and 43 cm of width, and with a thickness of only 17,5 cm the Wolly unit can be easily positioned on balconies and perimeter walls. A particular care has been placed during the planning phase to the reduction of unit noisiness: using sound absorbent materials on the different components of the machine, along with the used technical details, Wolly is the built-in unit at the top of the class in quietness terms.

CENTRAL UNIT SELECTION TABLE

The Wolly central unit has been projected to be placed inside our outside the house. It accepts network pipes with 40 mm Ø (for installations with maximum 3 inlets) or 50 mm Ø, and the air discharge takes place from the frontal panel or carried into pipes.

Maximum surface	MODEL	ARTICLE	Maximum inlet valves	Operators maximum	Vacuum attachment Ø (mm)	Air vent Ø (mm)	Dust bag capacity (l)	Filtering surface (cm²)	Power supply (V ac)	Motor power (kW)	Maximum air flow (m³/h)
Max 150 m²	Wolly 150	8200.0	4	1	40/50	50	12	2840	220/240	1,3	170
Max 300 m²	Wolly 250	8200.1	7	1	40/50	50	12	2840	220/240	1,4	175

WOLLY BUILT-IN CASE (ART 7101.0)

The Wolly built-in box has to be walled in during the arrangement of the installation. A special mortar protection cover will protect the box during the following walling jobs. In order to finish the installation you just need to insert the central unit into the box.



WOLLY FITTING COVER (ART 7101.1)

The cover allows you to close and protect the bay.



RECOMMENDED INSTALLATION

The flexibility of installation thought for Wolly unit is total. During the realization phase of the system, the different solutions are the following:

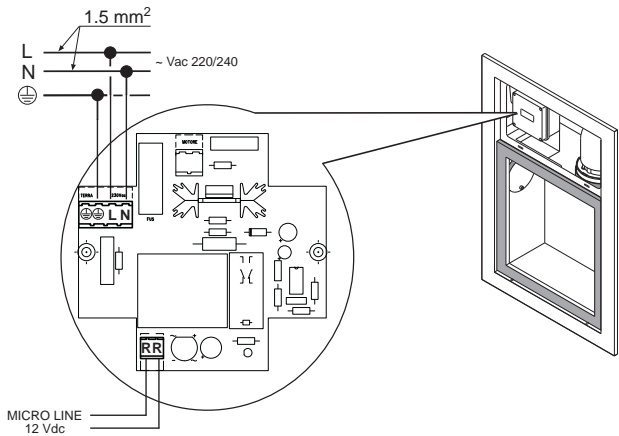
- dusts entrance right or left
- discharge in right/left pipe
- air discharge in frontal way or in pipe
- use of plant pipes Ø 40 mm or 50 mm

It is matchable at pleasure depending on the requirements, without necessity of further accessories.



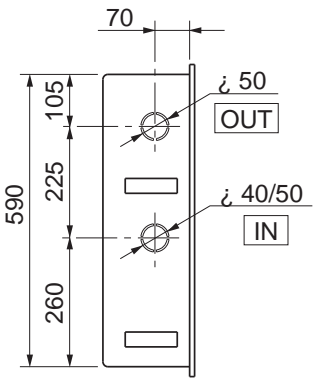
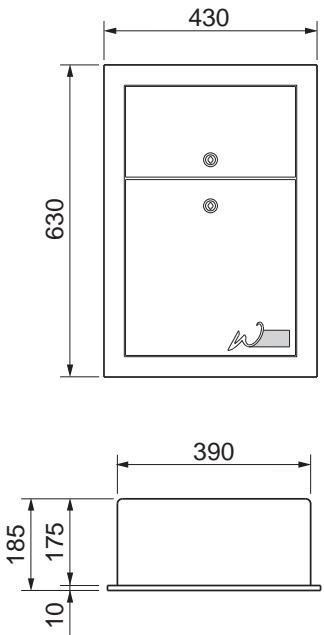
The design of Wolly unit, made of basic lines enriched of pearl white lacquering, allow his installation in any place.

WOLLY ELECTRIC WIRING

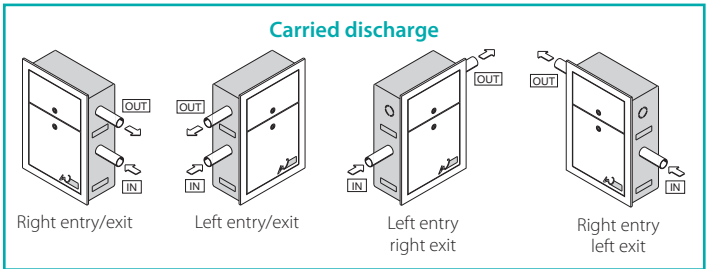
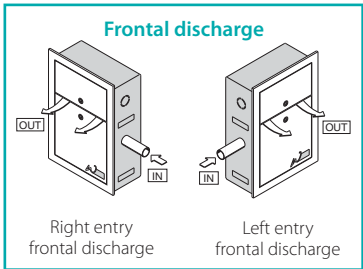


MESUREMENT TABLES AND TECHNICAL DATA

	ART.	WOLLY	WOLLY
		8200.0	8200.1
MODEL		WOLLY 150	WOLLY 300
Maximum number of operators		1	1
Maximum surface	m ²	150	300
Maximum inlets		4	7
Power Supply	V ac	220/240	220/240
Frequency	Hz	220/240	50/60
Motor power	kW	1,3	1,4
Absorption	A	5,6	6,5
Maximum depression	mmH ₂ O	2700	2900
Maximum air flow	m ³ /h	170	175
Inlets supply	V dc	12	12
Security filter surface	cm ²	2840	2840
Dust container capacity	l	12	12
Weight	Kg	12,7	12,7
Width	mm	630	630
Height	mm	630	630
Depth	mm	175	175
Vacuum attachment	ø mm	40/50	40/50
Exhaust attachment	ø mm	50	50

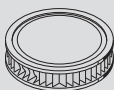
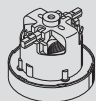
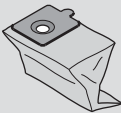
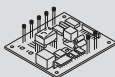
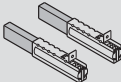


INSTALLATION SOLUTIONS






SPARE PARTS TABLE

	ART.	WOLLY	
		8200.0	8200.1
MODEL		Wolly 150	Wolly 300
ARTICLE			
 Filter cartridge Wolly Quantity = 1 piece			
	1610.9		
 Motor Quantity = 1 piece	1613.14		
	1613.15		
 Bags Quantity = 10 pieces			
	8220.0		
 Electronic board Wolly SOFT START SYSTEM Quantity = 1 piece			
	1612.10		
 Motor brushes Quantity = 2 pieces			
	1611.10		

ACCESSORIES TABLE

	ART.	WOLLY	
		8200.0	8200.1
MODEL		Wolly 150	Wolly 300
ARTICLE			
 Remote control wall panel Quantity = 1 piece			
	4200.6		



DOMESTIC

JOLLY SYSTEM



ease of installation
for pre-built houses



SISTEMA *Jolly*




Up to 60 m² - 1 Operator


IP20



Classe II



Suction unit JOLLY - JOLLY Contact

JOLLY-SYSTEM

Jolly is an innovation in the central vacuum world. It is a single vacuum motor in a plastic case, which can be mounted either in, or, on a perimeter wall of the building, or even more in any wall. Its characteristics are very similar to the traditional vacuums, but it also provides the user with most of the features of a central vacuum system, such as versatility of use, discharge of micro dust outside and vacuum power.

The ease with which it is mounted makes it perfect for installation even in existing buildings.

INSTALLATION AREA

The Jolly system is used for installation in homes with the following specifications:

- **Surface area capacity to be cleaned in between 45 and 90 m²** for each installed module, depending on the layout of the area and how the side discharge is set.
- **9 meters flexible hose.**
- 220/240 V ac single phase power
- **Discharge of air to the outside.**
- Use of each module by 1 operator simultaneously.
- Possibility of installation in the centre of a room on inserts, using the box provided with side discharge.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

- The vacuum modules of the Jolly series offer the possibility of arranging the system by **inserting the wall box and extension hose in the perimeter wall or in the inserts.**
- There is no need for **hard piping under the floor.**
- The presence of a heat sensor to protect the motor, **guarantees automatic shut down and restart, in the event of a malfunction.**
- **Signal light** when bag is full.
- Motor protection fuse.
- Easily replaced dust bag.
- **Visible panel** with embossed finishing (rough) in order to be painted the same colour as the walls; panel also available in two other versions: grained wood and light carbon.
- **Insulation category 2** (it does not require to be earthed).

MAIN CHARACTERISTICS

The construction is made entirely of vibration proof and sound proof plastic. It offers the possibility of attaching any accessory found in the catalogue. Installation and layout of the system are economically advantageous. Vacuum module available in two versions: with standard hose (Jolly), or, with low voltage hose fitted with on/off switch (Jolly Contact).

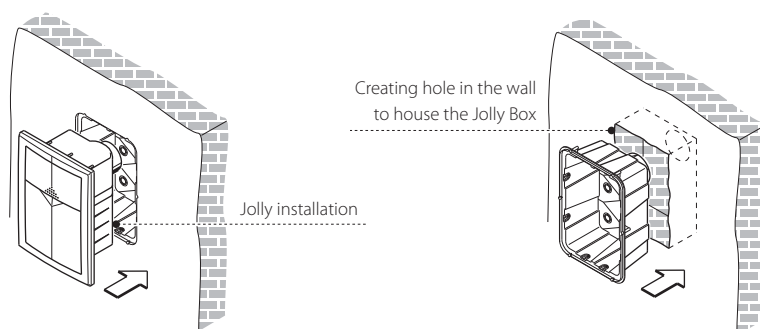


SELECTION TABLE

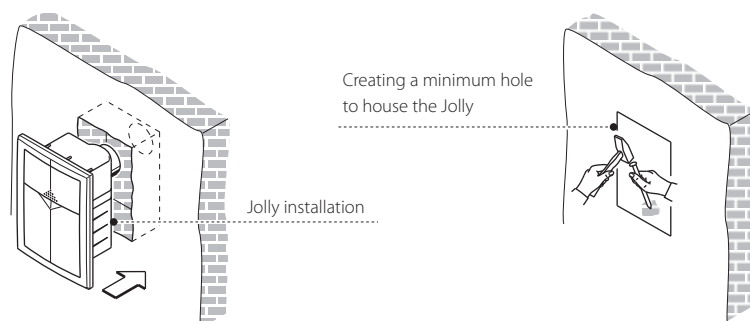
The Jolly and Jolly Contact vacuum modules have the same motor power, the same construction technology and the same performance. The Jolly Contact vacuum modules can also be used with an electric hose with on/off switch and start up control on the handle.

Overall surface areas	MODEL	ARTICLE	Socket points	Max number of operators	Attachment for low voltage hose	Dust bag capacity in (litres)	Power supply (Volt ac)	Motor power (Watt)	Maximum air flow (m ³ /h)
Max 45/60 m ²	JOLLY	8710.0	1	1	NO	3	220/240	1	178,2
	JOLLY Contact	8720.0	1	1	YES	3	220/240	1	178,2

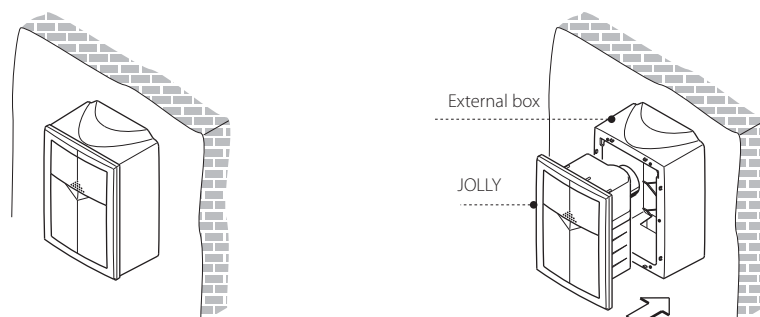
TRADITIONAL INSTALLATION



INSTALLATION IN FINISHED HOUSES



EXTERNAL INSTALLATION ON THE WALL

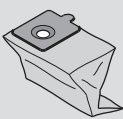

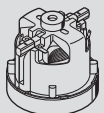
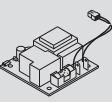


RECOMMENDED INSTALLATION


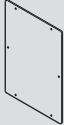
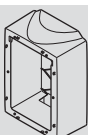

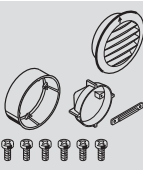
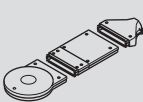
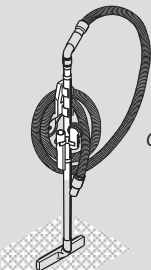

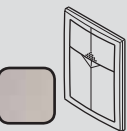
The Jolly vacuum system does not require a piping network and can be installed both in houses under construction or finished homes, in walls at least 25 cm thick. If it is impossible to build it into the wall, it can be placed in a special box for outside that will be attached to the wall. It can be installed anywhere, as long as the selected location is protected from extreme weather conditions and atmospheric agents, dampness and excessive temperature changes. It would also be best to place it at some distance from heat sources such as heaters or central heating (IP 20 insulation level for apparatus). There should be sufficient illuminated space around the apparatus to make it possible to change the dust bag and carry out any maintenance work. The discharge of air outside, a necessary condition to be able to expel the micro dust that the filter bag cannot contain, can be done in different ways: either with direct discharge, or, side discharge, using an outlet extension. The external discharge point should not be blocked in any way, and positioned in such a way so it does not damage or disturb other structures. At the planning stage, it is advisable to identify the best location for the apparatus, so that you can reach as many parts of the house as possible with the vacuum hose. You should consider installing more than one apparatus in the same house.



SPARE PARTS TABLE





	ART.	JOLLY serie	
		8710.0	8720.0
MODEL		JOLLY	JOLLY Contact
ARTICLE			
 Bags Quantity = 5 Pieces	8402.0		
 Motor protection filter Quantity = 5 Pieces	8406.0		
 Motor body Quantity = 5 Pieces	8401.0		
 Jolly contact electronic card Quantity = 1 Piece	8403.0		

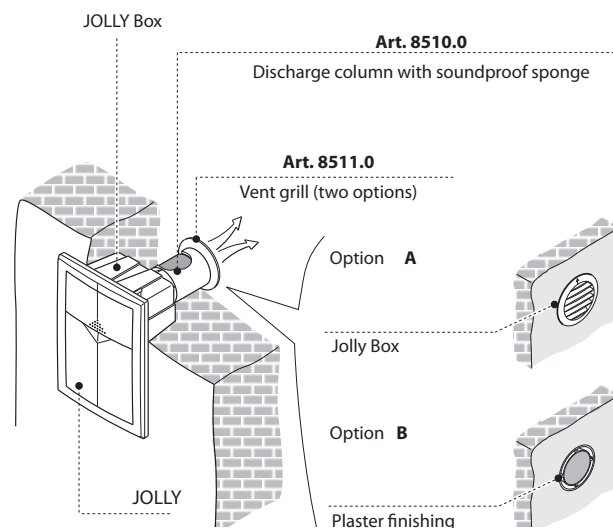
ACCESSORIES TABLE

	ART.	JOLLY serie	
		8710.0	8720.0
MODEL		JOLLY	JOLLY Contact
ARTICLE			
 Jolly box to be fitted into the wall Quantity = 1 piece	8500.0		
 Blind wall box cover Quantity = 1 piece	8512.0		
 Jolly box for outside Quantity = 1 piece	8500.1		
 Jolly extension box Quantity = 1 piece	8510.0		
 Jolly set of grates for air discharge Quantity = 1 piece	8511.0		
 Jolly set of joints for side discharge Quantity = 1 piece	8510.1		
 Jolly cleaning accessories kit Quantity = 1 piece	8600.0		
	9 metri		
	8600.0R		
	12 metri		
 Grained wood coloured decorative frame Quantity = 1 piece	8900.0		
 Light carbon coloured decorative frame Quantity = 1 piece	8900.1		




EXAMPLES OF INSTALLATION

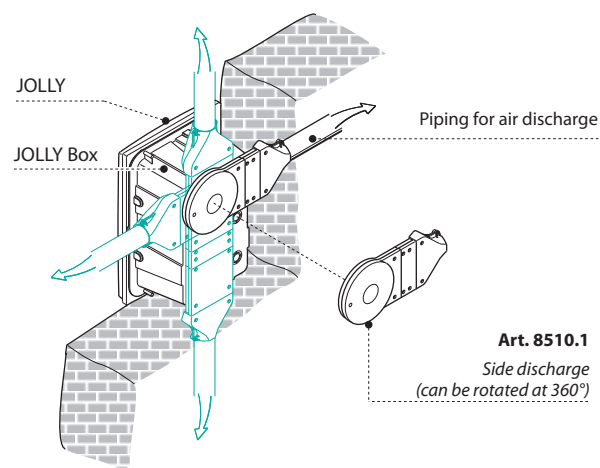
INSTALLATION WITH DIRECT DISCHARGE

	ARTICLE	DESCRIPTION	Quantity
	8710.0	Jolly module	1
	8720.0	Jolly contact module	1
	8500.0	Jolly box - wall box	1
	8510.0	Jolly extension box	1
	8511.0	Set of grates for air discharge	1





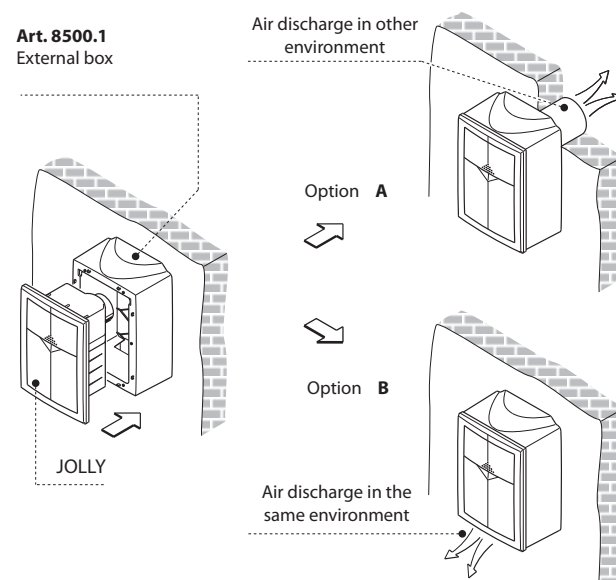
INSTALLATION WITH SIDE DISCHARGE

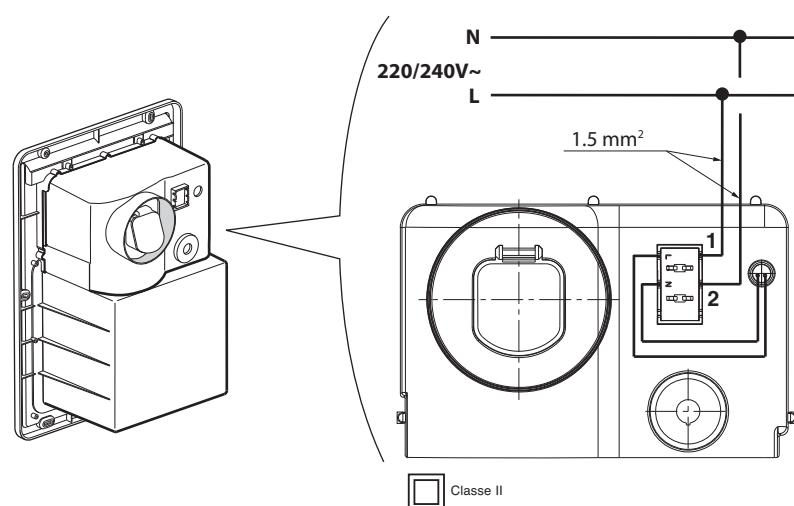
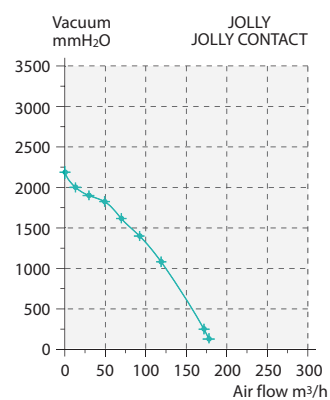
	ARTICLE	DESCRIPTION	Quantity
	8710.0	Jolly Module	1
	8720.0	Jolly Contact module	1
	8500.0	Jolly Box - wall box	1
	8510.0	Jolly Set for side discharge	1



EXTERNAL INSTALLATION

	ARTICLE	DESCRIPTION	Quantity
	8710.0	Jolly module	1
	8720.0	Jolly Contact module	1
	8500.1	Jolly Box - external box	1

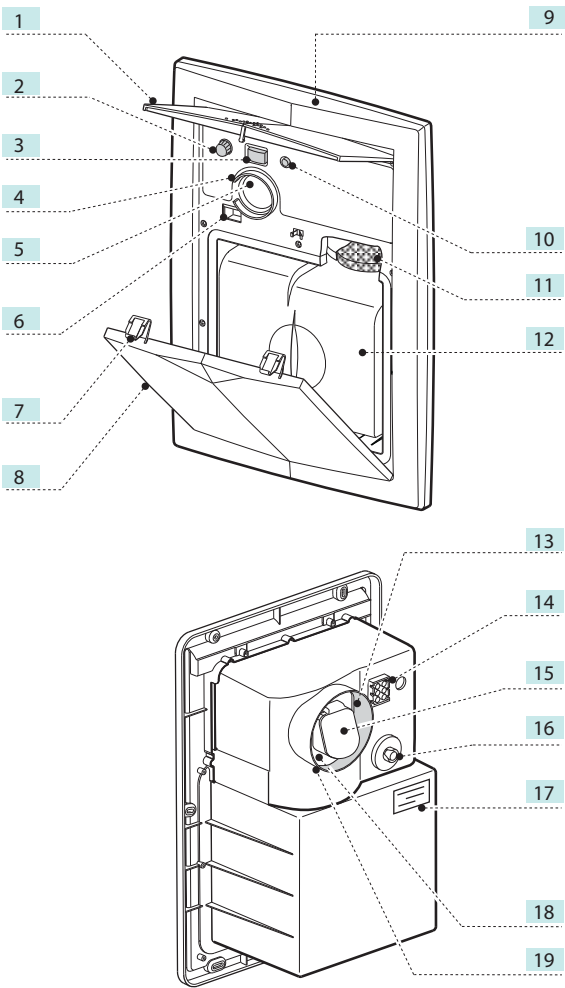


ELECTRIC CONNECTION

PERFORMANCE GRAPH




TECHNICAL SPECIFICATIONS

- ABS plastic external frame that can be painted.
- Structure in propylene plastic.
- Dust bag container for faster, more hygienic maintenance.
- Dust bag can hold 3 litres.
- Warning light for replacement of full bag.
- Single phase electric brush motor.
- Heat safety probe to protect the engine group, with automatic shut down and restart.
- Attachment for low voltage hose (Only for Jolly contact)

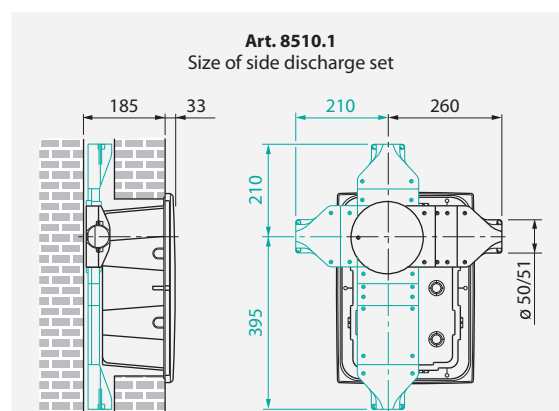
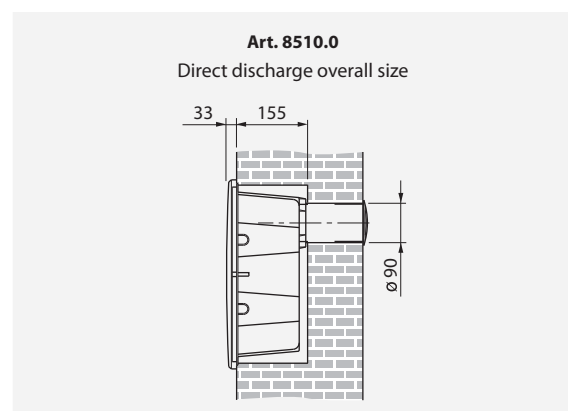
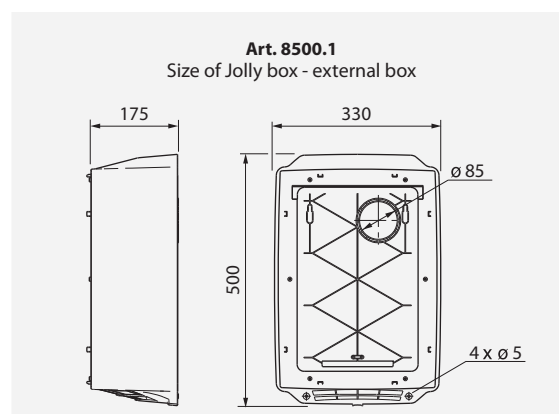
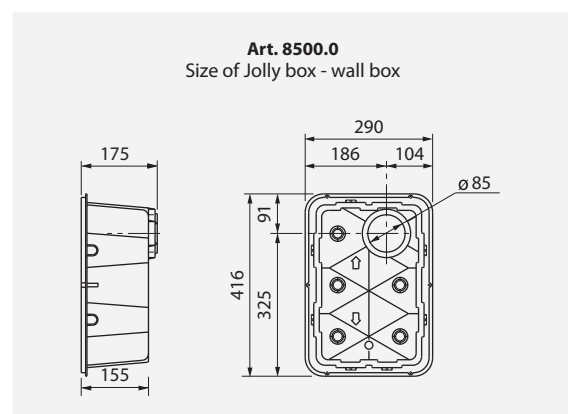
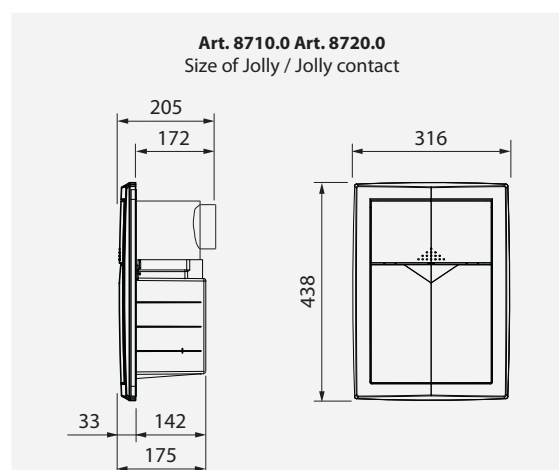


1	Upper hatch
2	Safety fuse
3	Starter button (Jolly) Increase in voltage button (jolly contact)
4	Hose positioning guide
5	Hose attachment
6	Casing for lower door hooks
7	Lower hatch hooks
8	Lower hatch
9	Frame
10	Bag replacement light
11	Motor filter
12	Bag container
13	Location for installation sponge without Jolly box
14	Terminal board for electrical connection
15	Duct closure hatch
16	Pressure switch
17	Serial no. plaque and technical data
18	Air discharge pipe
19	Coupling flange on jolly box

MEASUREMENT TABLES AND TECHNICAL DATA

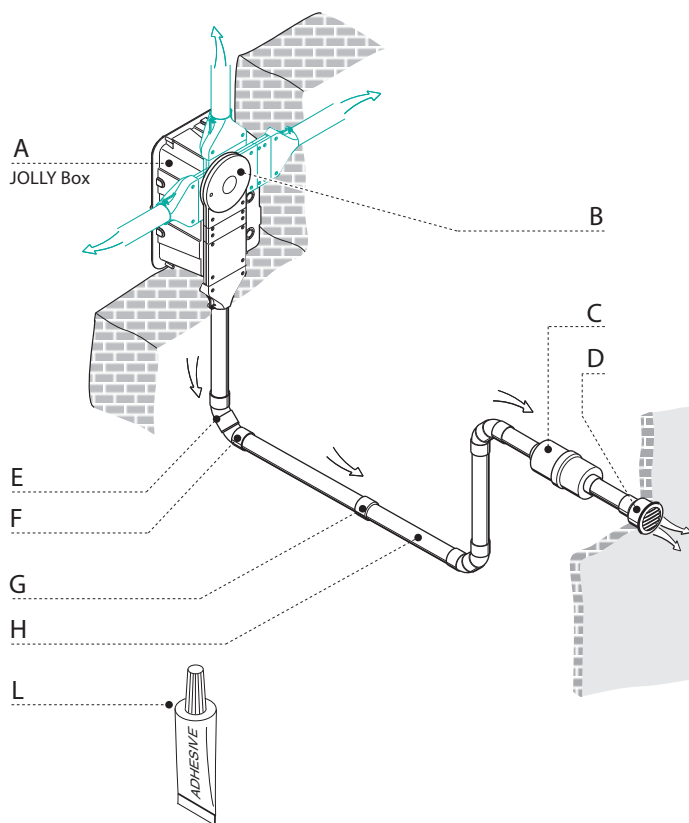
ART.	JOLLY serie	
	8710.0	8720.0
MODEL	JOLLY	JOLLY Contact
Attachment for low voltage hose	NO	YES
Vacuum attachment	Ø mm	40
IP insulation level	IP	20
Volt ac power	Volt ac	220/240
Frequency	Hz	50/60
Motor power	kW	1
Absorption	A	5
Supply to low voltage pipe	Volt dc	-
Maximum air flow	m ³ /h	178,2
Protection fuse	WF 10A 250V	WF 10A 250V
Dust bag capacity	LITRES	3
Air vent	YES	YES
Air discharge silencer	NO	NO
Weight	kg	3,8
Noise level lower than	dB(A)	70

N.B.: Levels of nominal noise. The levels can vary according to the environment where the central unit has been installed, and the kind of installation.

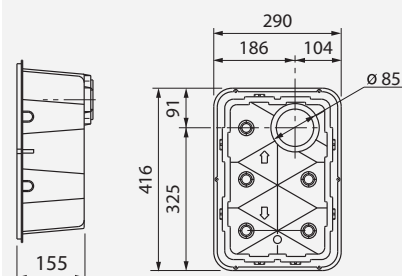


BASIC SET

It is a tool that allows for the insertion of the Jolly in the centre of the house, which, equipped with air discharge to outside, piping and accessories, allows the air to be discharged outside.

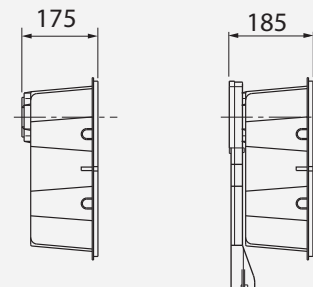


Art. 8500.0
Size of Jolly box - wall box



Art. 8500.0
Depth of Jolly Box

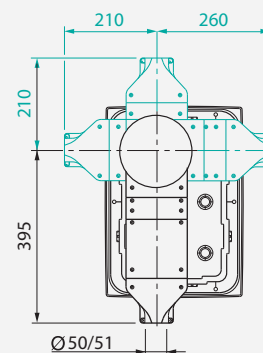
Art. 8500.0 + Art. 8510.1
Depth of Jolly Box
+ side discharge



MATERIAL CONTENT IN THE BASIC SET 8600.2

Rif.	ART.	Pcs.	Description
A	8500.0	1	Jolly wall box
B	8510.1	1	Side discharge
C	110001	1	PVC silencer
D	5050.4	1	Ø 50 vent grate
E	3050.0	4	Ø 50 45° M/F PVC elbow
F	3050.1	4	Ø 50 45° F/F PVC elbow
G	1150.1	6	Ø 50 F/F PVC coupling
H	1850.0	9 mt.	Ø 50 PVC hose
L	9225.3	1	Special glue (60g)

Art. 8510.1
Size of Jolly





**TECNO
Block**

Professional
performance



TECNOBlock





PROFESSIONAL Central vacuum unit: Series TECNO Block Mini - TECNO Block Maxi

Linea TECNO Block Mini without self-cleaning

Linea TECNO Block Mini with self-cleaning

Up to 600 m² - 1 Operator



IP20



Classe I



INSTALLATION AREA

The TECNO Block Mini central vacuum unit is used for residential homes and for the small business sector. It is specifically indicated for all the system cases with extended piping that have the following characteristics:

- area to be cleaned between 350 and 600 m²
- vacuum network built with 50 mm and 63 mm diameter pipes and inlet connector to the central unit.
- 220/240 V ac single phase power.
- air discharge to the outside.
- suitable for systems being used by a single operator.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

- the central vacuum unit performs like a professional apparatus while still being compact in size.
- the dust bag holds up to 45 litres.
- it is an industrial, top performance motor with a light alloy, blower with side channels, and is maintenance free.
- performance is managed using the electronic system on the central unit, capable of handling and controlling the vacuum power, according to actual needs.
- it is fitted with a self-cleaning system (only on the 3115.2MB model) for the controlled activation of the filter cartridge maintenance.
- the motor has a start up system for the reduction of peak absorption.
- the energy consumption is very low, whatever the working condition with regards to performance.

RECOMMENDED INSTALLATION

The central units are fitted with a connection for the air vent piping which is essential for sending the micro dust that the filter cartridge cannot contain, outside. They should be installed in service rooms such as garages, cellars etc... and protected from extreme weather conditions and excessive temperature changes. You should choose areas at some distance from heat sources, such as heaters or central heating. (IP 20 insulation level). At the planning stage, it is advisable to identify the best location for the central unit with respect to the system, leaving a reasonable amount of space for installation, use, maintenance and a correct re-circulation of air around the central unit. In the event of a system on several floors, it should be installed on the bottom floor.

MAIN CHARACTERISTICS

Central vacuum unit with metal support base that highlights its sturdiness. Dust container fitted with wheels and handles to make emptying easier. The option of connecting to the piping both from the right and left. It is extremely quiet while running. The micro line switch allows for maintenance operations. At start up, it has a reduction in absorption peak.



CENTRAL UNIT SELECTION TABLE

The central units can be used by a single operator on a maximum surface area of 600 m². The Tecno Block Mini central units can be selected with or without a programmable self-cleaning system for the filter.

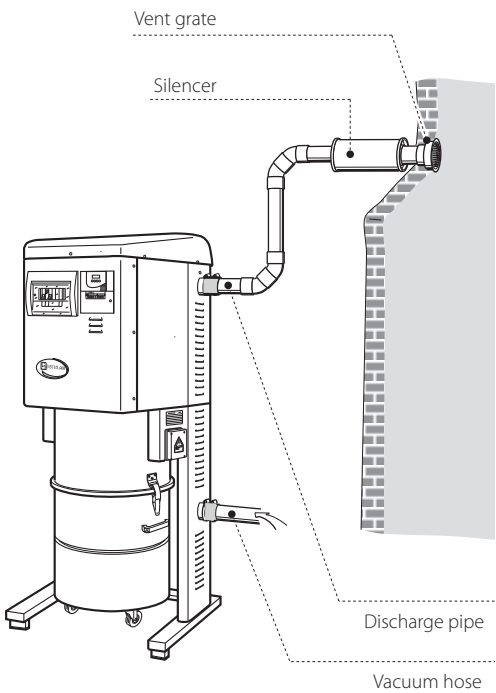
MODEL	ARTICLE	Maximum number of operators	Central unit with self-cleaning	Motor power (kW)	Power supply (Volt ac)	Maximum air flow (m³/h)	Filtering surfaces (cm²)	Dust container capacity (litres)	
TECNO Block Mini	3115.1MB	1	NO	1,5	220/240	200/270	17800	45	
	3115.2MB	1	YES	1,5	220/240	200/270	17800	45	

N.B: These central unit models with electronic control system, need an electric power line with wire no lower than 4mm².

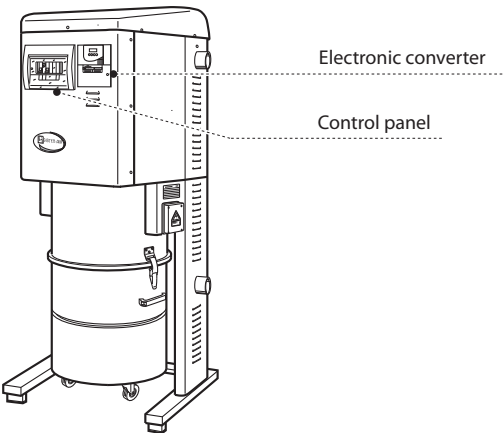


The central vacuum units of the Tecno Block Mini series offer a high performance in any professional environment up to 600 m².

CONNECTION TO THE PIPING NETWORK



ELECTRONIC SPEED CONVERTER



SUMMARY TABLE OF AVAILABLE SPEEDS AND KINDS OF SELECTION

MODEL	ARTICLE	Speed can be set manually	Speed can be modulated electronically	Speed converter	Electronic card for speed modulation
TECNO Block Mini	3115.1 MB	■ ■	-	✓	-
	3115.2 MB	■ ■	-	✓	-

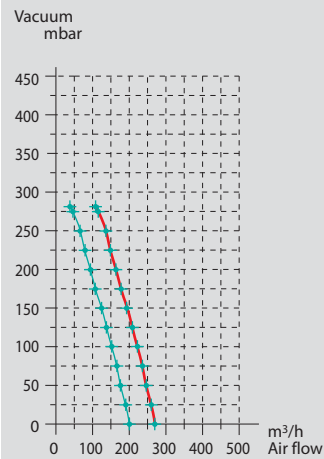
Legende

- Number of speeds that can be set
(e.g.: ■ ■ 2 speeds can be set)
- ✓ = YES
- = NO

- Speed1
- Speed 2

Performance graph

Art.: 3115.1MB - 3115.2MB

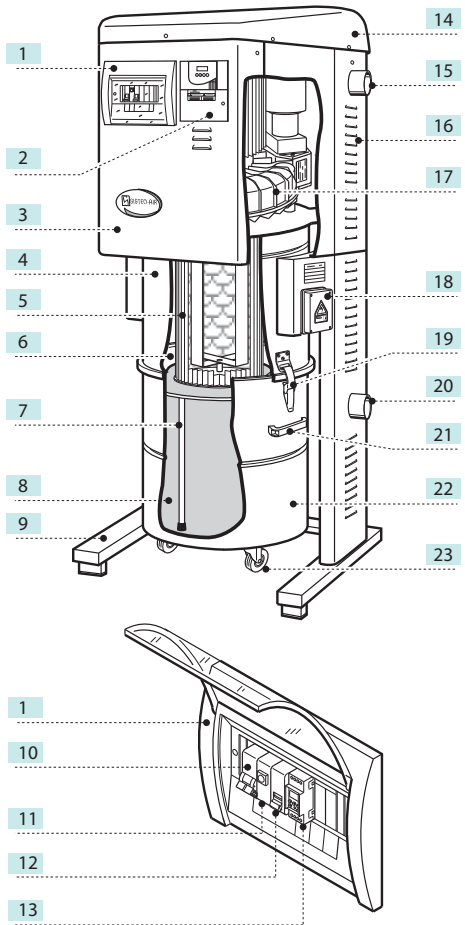




TECHNICAL SPECIFICATIONS

The main technical characteristics of the central units in the BLOCK MINI range can be listed as follows:

- Cylindrical frame of epoxy powder painted metal.
- Base and supports of epoxy powder painted metal.
- Metal dust container (holds 45 litres) with wheels for movement.
- Bag and bag string in the dust collector, to rapidly and hygienically dispose of vacuumed matter.
- The option of connecting to the piping both from the right and left.
- Motor pump unit with professional CE regulated motor, IP55 cat., insulation category, F.
- Pump for emptying from side channel covered in light alloy, with top performance. It is also maintenance free.
- Motor noise level dB (A): from 60 to 50 Hz, 72 to 60 Hz.
- Controlled electronic speed converter with self
- ventilation and safety system to protect the unit: under irregular working conditions and excessive increase in temperature, the converter intervenes to automatically turn the motor on the central vacuum unit off.
- Single phase general power.
- Vacuum power sockets with 12 V dc voltage.
- Circuit breaker switch for the micro line.
- BIA-USG certified polyester filter cartridge, washable with water (filtering surfaces of 17.800 cm²).
- Silencer for air discharge provided.
- Possibility of selecting one of two operating speeds.
- Mechanical vacuum breaker valve to regulate the vacuum flow.
- Programmable self-cleaning to clean the filter cartridge (optional). The system comes with a compressor and accumulation cylinder (20 litres) for the compressed air that is discharged into the filter at programmable intervals.



1	Control panel
2	Electronic converter for motor speed
3	Front cover
4	Dust separator compartment
5	Filter cartridge
6	Conveyor cone
7	Bag string
8	Dust bag
9	Base
10	Main switch
11	Warning light
12	Micro line switch
13	Clock for self-cleaning cycles (only on models with self-cleaning)
14	Cover
15	Air vent
16	Side cover
17	Blowing motor unit
18	Control panel
19	Closure hook
20	Dust inlet
21	Handle
22	Dust container
23	Wheels



FITTING THE CENTRAL UNIT

No particular attachment is needed although, you should ascertain that the selected installation area has the minimum requirements for a correct and safe positioning without incongruities that would make the central unit instable:

- a solid resting surface
- a perfectly flat surface
- a surface unaffected by vibrations.

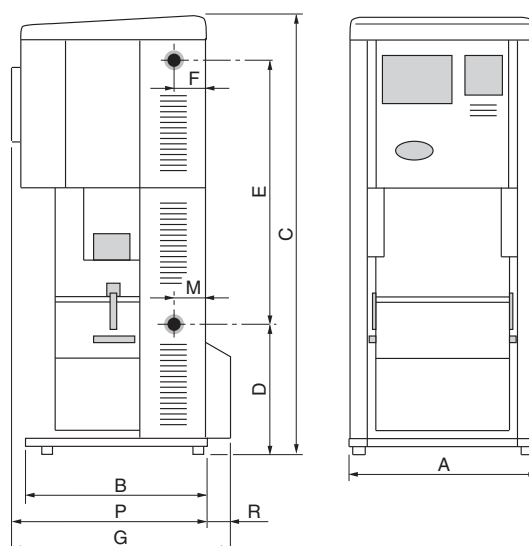
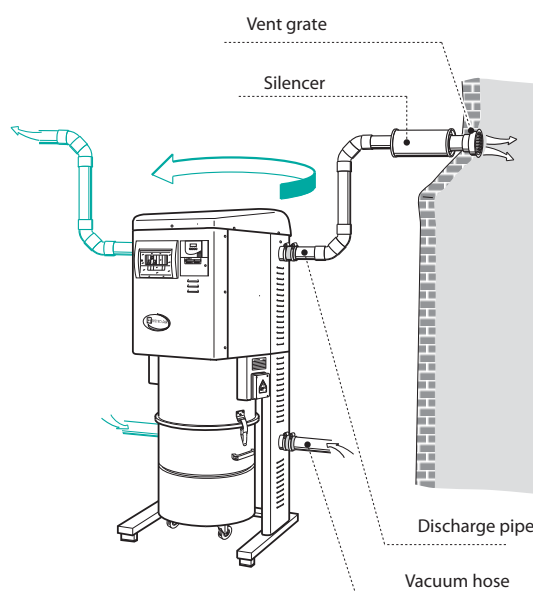
CONNECTION TO THE PIPING NETWORK

The inlets for the connection to the piping network and air vent piping to the outside can be positioned either on the left or right of the central unit.

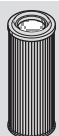

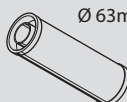
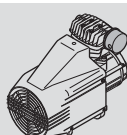


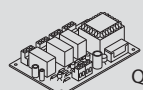
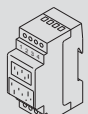
MEASUREMENT TABLES AND TECHNICAL DATA

		TECNO Block Mini	
		3115.1 MB	3115.2 MB
ART.			
ARTICLE		TECNO Block Mini	
Central unit with self-cleaning		NO	YES
Ø mm vacuum attachment	Ø mm	63	63
IP insulation level	IP	20	20
Supply	Volt ac	220/240	220/240
Frequency	Hz	50	50
Motor power	kW	1,5	1,5
Absorption	A	6,9	6,9
Supply sockets	Volt dc	12	12
Maximum air flow	m³/h	200/270	200/270
Filtering surface areas	cm²	17800	17800
Dust container capacity	Litres	45	45
Air vent		YES	YES
Air discharge silencer		YES	YES
Weight	kg	110	134
Measurement A	mm	560	560
Measurement B	mm	500	500
Measurement C	mm	1500	1500
Measurement D	mm	430	430
Measurement E	mm	900	900
Measurement F	mm	115	115
Measurement G	mm	-	670
Measurement M	mm	115	115
Measurement P	mm	550	550
Measurement R	mm	-	120
Noise level of motor	dB(A)	68 ÷72	

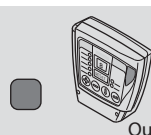
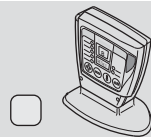
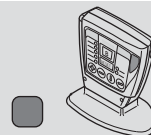
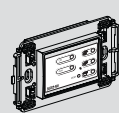
N.B.: Levels of nominal noise. The levels can vary according to the speed of use, environment where the central unit has been installed and the kind of installation.



SPARE PARTS TABLE

TECNO Block Mini			
	ART.		
	MODEL	3115.1MB	3115.2MB
	ARTICLE		
 Filter cartridge Quantity = 1 piece	1610.1		
 Bags Quantity = 20 pieces	1614.2		
 Ø 63mm air vent silencer Quantity = 1 piece	110002		
 Compressor for self-cleaning Quantity = 1 piece	040002		
 Electronic pressure switch for self-cleaning Quantity = 1 piece	040016		
 Electronic pressure switch for self-cleaning Quantity = 1 piece	3301.3		
 Electronic card for self-cleaning Quantity = 1 piece	3301.9		
 Timer for self-cleaning Quantity = 1 piece	040020		

ACCESSORIES TABLE

TECNO Block Mini			
	ART.		
	MODEL	3115.1MB	3115.2MB
	ARTICLE		
 Anthracite coloured remote wall panel Quantity = 1 piece	4200.0		
 Aluminium coloured remote table panel Quantity = 1 piece	4200.2		
 Anthracite coloured remote table panel Quantity = 1 piece	4200.3		
 Remote control wall panel Quantity = 1 piece	4200.6		



Linea TECNO Block Maxi without self-cleaning

Linea TECNO Block Maxi with self-cleaning

Up to 1200 m² - 3 Operators



IP20



Classe I



RECOMMENDED INSTALLATION

The central units are fitted with a connection for the air vent piping which is essential for sending the micro dust that the filter cartridge cannot contain, outside. They should be installed in service rooms (for example in garages, cellars, etc...) that are closed (to protect other rooms from noise coming from the central unit) and protected from extreme weather conditions, dampness and excessive temperature changes. You should choose areas at some distance from heat sources, such as heaters or central heating. (IP 20 insulation level). At the planning stage, it is advisable to identify the best location for the central unit with respect to the system, leaving a reasonable amount of space for installation, use, maintenance and a correct re-circulation of air around the central unit. In the event of a system on several floors, it should be installed on the bottom floor.

INSTALLATION AREA

The Maxi Block central vacuum units in the Tecno Block range are available in different versions, for use in residential homes and small businesses. It is specifically indicated for all the system cases with extended piping that have the following characteristics:

- area to be cleaned between 500 and 1200 m²
- piping network made with a pipe of between 50 and 63 mm in diameter and 63 mm inlet connector to the central unit (80 mm for the 3200.8 MB and 3200.9MB models).
- single phase 220/240 V ac or three phase 380 V power depending on the models.
- air discharge to the outside.
- use of the system simultaneously by 1 to 3 operators, depending on the model.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

- the monoblock central unit performs like a professional system.
- it is an industrial, top performance motor with blower, light alloy side channels, and it is maintenance free.
- The self-cleaning system (for models fitted with the self-cleaning filter) automatically reset the filtering capacity.
- the motor has a start up system for the reduction of absorption peak. (except models 3200.0MB and 3200.3MB).
- Furthermore, it offers the possibility of personalising performance according to the vacuum strength required.
- The energy consumption is very low considering its performance.

CHARACTERISTICS

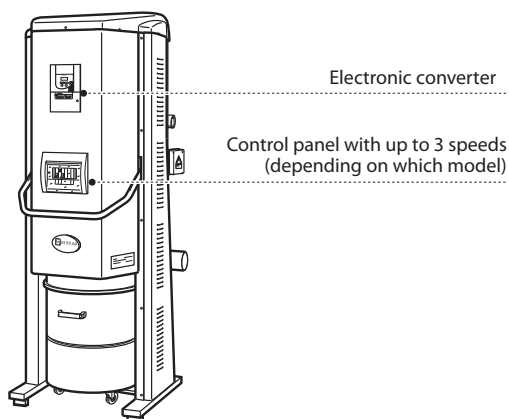
Central vacuum unit with metal support base that highlights its sturdiness. Dust container fitted with wheels and handles to make emptying easier. The motor starts with a reduction in acceleration at start up. The machine has a section switch for the micro line to make maintenance easier.

CENTRAL UNIT SELECTION TABLE

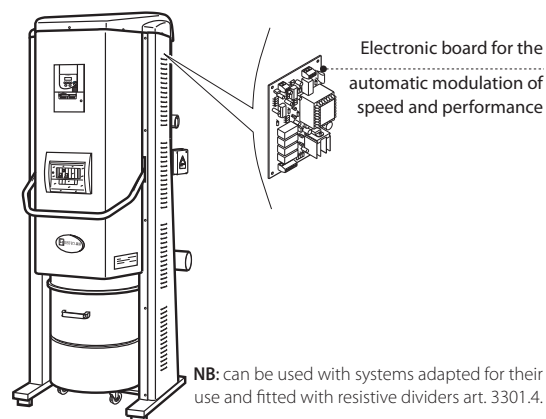
You can choose from a vast range of central unit models. They can be used by a minimum of 1 operator and a maximum of 3 simultaneously, taking into consideration the surface area to be cleaned as varying between 500 and 1200 m². Furthermore, it is possible to decide whether to have a central unit with self-cleaning filter, or not.

MODEL	ARTICLE	Maximum number of operators	Central unit with self-cleaning	Motor power (kW)	Supply stages (Volt ac)	Maximum air flow (m ³ /h)	Filtering surfaces (cm ³)	Dust container capacity (litres)
TECNO block Maxi	3200.0MB	1	NO	2,2	3/380	300	24000	60
	3200.3MB	1	YES	2,2	3/380	300	24000	60
	3200.1MB	1	NO	2,2	220/240	210/340	24000	60
	3200.2MB	1	YES	2,2	220/240	210/340	24000	60
	3200.4MB	2	NO	2,2	3/380	210/360	24000	60
	3200.5MB	2	YES	2,2	3/380	210/360	24000	60
	3200.6MB	2	NO	4	3/380	250/450	24000	60
	3200.7MB	2	YES	4	3/380	250/450	24000	60
	3200.8MB	3	NO	4	3/380	250/530	24000	60
	3200.9MB	3	YES	4	3/380	250/530	24000	60

ELECTRONIC SPEED CONVERTER

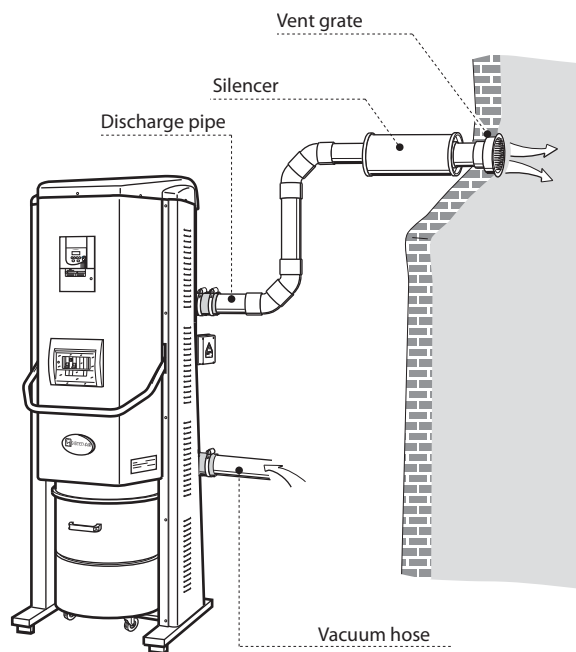


ELECTRONIC BOARD



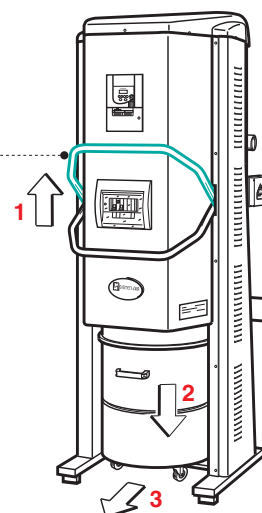
The central vacuum units of the Tecno Block Maxi series offer a high suction power in any professional environment and allow more than one operator.

CONNECTION TO THE PIPING NETWORK



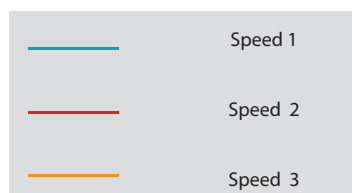
EMPTYING WITH HANDLE

Handle for releasing dust container

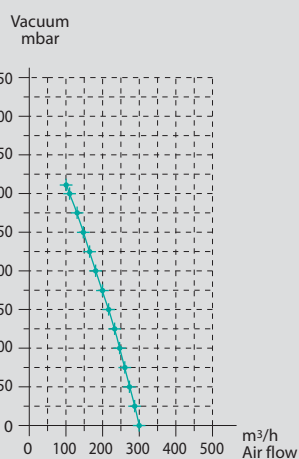


PERFORMANCE GRAPH

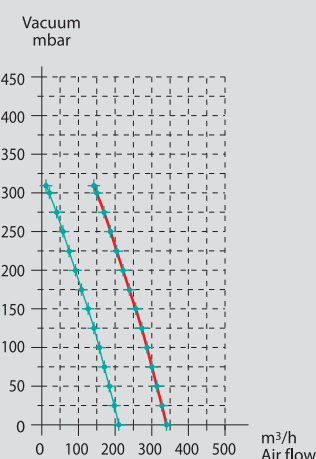
Depending on the model selected, the central units allow you to choose one of 3 speeds. Choose the most suitable speed according to the needs and kind of system.



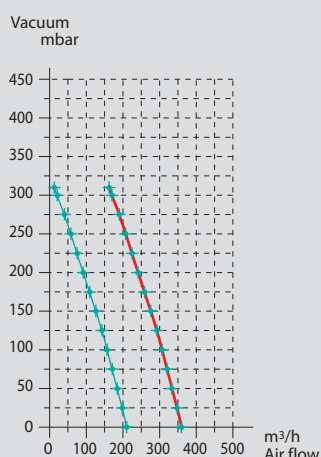
Art. 3200.0MB - 3200.3MB



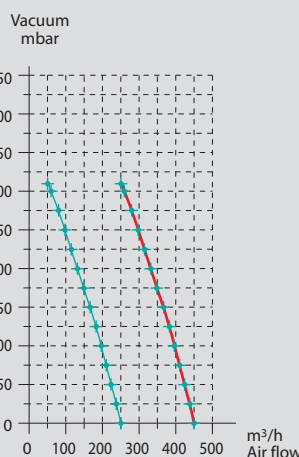
Art. 3200.1MB - 3200.2MB



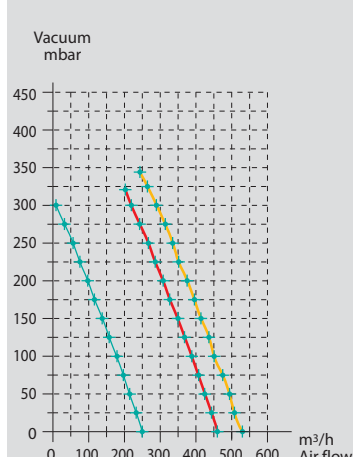
Art. 3200.5MB - 3200.4MB





















Art. 3200.7MB - 3200.6MB





Art. 3200.8MB - 3200.9MB



SUMMARY TABLE OF AVAILABLE SPEEDS AND KINDS OF SELECTION

MODEL	ARTICEL	Speed can be set manually	Speed can be modulated electronically	Speed converter	Electronic card for speed modulation	
TECNO Block Maxi	3200.0 MB		-	-	-	
	3200.3 MB		-	-	-	
	3200.1 MB		 (1)	✓	✓	
	3200.2 MB		 (1)	✓	✓	
	3200.4 MB		 (1)	✓	✓	
	3200.5 MB		 (1)	✓	✓	
	3200.6 MB		 (1)	✓	✓	
	3200.7 MB		 (1)	✓	✓	
	3200.8 MB		 (1)	✓	✓	
	3200.9 MB		 (1)	✓	✓	

Description

 = Number of speeds that can be set (e.g.  = 2 speeds can be set)

✓ = Available

- = Unavailable

(1) = Can only be used with systems using resistive divider cards art. 3301.4

FITTING THE CENTRAL UNIT

No particular attachment is needed although you should ascertain that the selected installation area has the minimum requirements for a correct and safe positioning without incongruities that would make the central unit instable:

- a solid resting surface
- a perfectly flat surface
- a surface unaffected by vibrations.

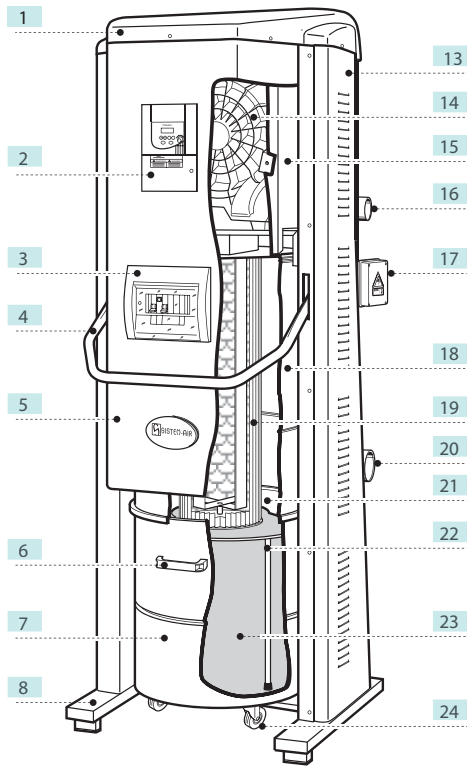
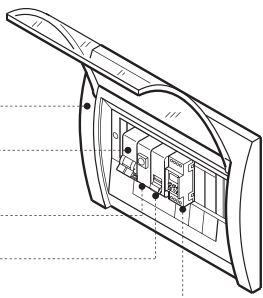
N.B. 1: for models with 2 or 3 operators the micro switch line has to be fitted with resistive dividers (art. 3301.4) in order to modulate performance.

N.B. 2: these central vacuum unit models, fitted with electronic control system, requiring suitable wiring.

TECHNICAL SPECIFICATIONS

The main technical characteristics can be listed as follows:

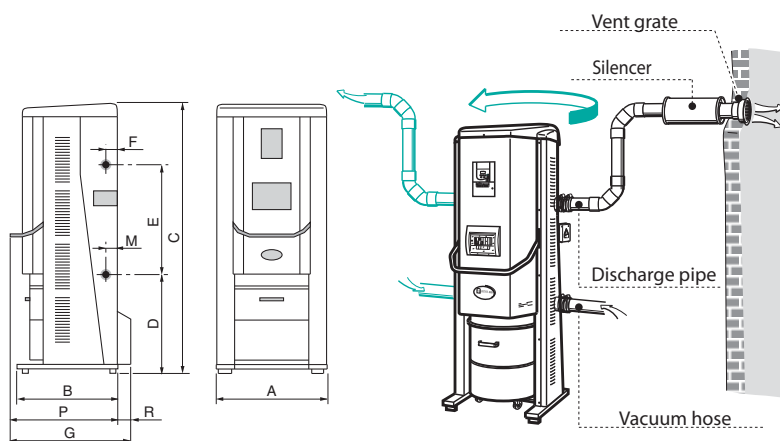
- Cylindrical frame in epoxy powder painted metal.
 - Base and supports in epoxy powder painted metal.
 - Metal dust container (holds 60 litres) with wheels for movement.
 - Bag with bag string for dust collector.
 - The option of connecting to the piping both from the right and left.
 - Motor pump unit with professional CE regulated motor, IP55 cat., insulation category, F. Power varies according to model.
 - Motor noise level dB (A): from 68 to 85, according to the model.
 - Electronic control system with self-ventilation and safety system to protect the unit: under irregular working conditions and excessive increase in temperature, the system intervenes to automatically turn off the central vacuum unit (on pre-fitted models).
 - General single and tri phase power, depending on the model.
 - Power to inlet valves with 12 V dc power.
 - Circuit breaker switch for the micro line.
 - **BIA-USGC certified polyester** filter cartridge, washable with water. (filtering surface of 24.000 cm²).
 - Electronic card to control speed (on pre-fitted models).
 - Mechanical vacuum breaker valve to regulate the vacuum flow.
 - Programmable self-cleaning to clean the filter cartridge (on pre-fitted models).
- The system comes with a compressor and accumulation cylinder (20 litres) for the compressed air that is discharged into the filter at programmable intervals.
- **Silencer for air discharge provided.**



1	Cover
2	Electronic converter for motor speed (only on pre-fitted models)
3	Control panel
4	Handle for releasing the dust container
5	External front cover
6	Handle
7	Dust container
8	Base
9	Main switch
10	Warning light
11	Micro line switch
12	Clock for self-cleaning cycles (only on models with self-cleaning)
13	Side cover
14	Blowing motor unit
15	Internal front cover
16	Air vent
17	Control panel
18	Dust separator compartment
19	Filter cartridge
20	Dust inlet
21	Conveyor cone
22	Bag string
23	Dust bag
24	Wheels

CONNECTION TO THE PIPING NETWORK

The inlets for the connection to the piping network and air vent piping to the outside can be positioned either on the left, or the right of the central unit.



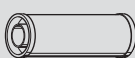
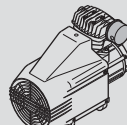


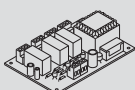
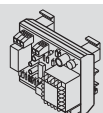
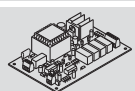
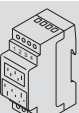


MEASUREMENT TABLES AND TECHNICAL DATA

ART.	TECNO Block Maxi									
	3200.0 MB	3200.1 MB	3200.4 MB	3200.6 MB	3200.8 MB	3200.3 MB	3200.2 MB	3200.5 MB	3200.7 MB	3200.9 MB
MODEL	TECNO Block Maxi									
Central unit with self-cleaning	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES
Ø mm vacuum attachment	Ø mm	63	63	63	63	80	63	63	63	80
IP insulation level	IP	20	20	20	20	20	20	20	20	20
Supply	Volt ac	3/380	220/240	3/380	3/380	3/380	3/380	220/240	3/380	3/380
Frequency	Hz	50/60	50	50	50	50	50/60	50	50	50
Motor power	kW	2,2	2,2	2,2	4	4	2,2	2,2	2,2	4
Absorption	A	5,8	10	5,8	10,5	10,5	5,8	10	5,8	10,5
Supply sockets	Volt dc	12	12	12	12	12	12	12	12	12
Maximum air flow	m³/h	300	210/340	210/360	250/450	250/530	300	210/340	210/360	250/450
Filtering surface areas	cm²	24000	24000	24000	24000	24000	24000	24000	24000	24000
Dust container capacity	l	60	60	60	60	60	60	60	60	60
Air vent		YES	YES	YES	YES	YES	YES	YES	YES	YES
Air discharge silencer		YES	YES	YES	YES	YES	YES	YES	YES	YES
Weight	kg	160	162	162	169	209	184	186	186	230
Measurement A	mm	620	620	620	620	620	620	620	620	620
Measurement B	mm	550	550	550	550	550	550	550	550	550
Measurement C	mm	1780	1780	1780	1780	1780	1780	1780	1780	1780
Measurement D	mm	630	630	630	630	630	630	630	630	630
Measurement E	mm	670	670	670	670	920	670	670	670	920
Measurement F	mm	75	75	75	75	100	75	75	75	100
Measurement G	mm	-	-	-	-	-	800	800	800	870
Measurement M	mm	75	75	75	75	78	75	75	75	78
Measurement P	mm	700	700	700	700	700	700	700	700	700
Measurement R	mm	-	-	-	-	-	100	100	100	170
Noise level of motor	dB(A)	68 ÷ 85								







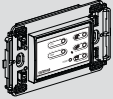
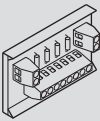
N.B. Levels of nominal noise. The levels can vary according to the speed of use, environment where the central unit has been installed and the kind of installation.

SPARE PARTS TABLE

		TECNO Block Maxi										
		ART.										
		MODEL	3200.0MB	3200.1MB	3200.4MB	3200.6MB	3200.8MB	3200.3MB	3200.2MB	3200.5MB	3200.7MB	3200.9MB
		ARTICLE										
	Filter cartridge Quantity = 1 piece	1610.2										
	Dust bags Quantity = 1 piece	1614.2										
 Ø 3" Metal air vent silencer	Air vent silencer Quantity = 1 piece	110002										
		11002										
	Compressor for self-cleaning Quantity = 1 piece	040002										
	Solenoid valve for self-cleaning Quantity = 1 piece	040016										
	Electronic pressure switch for self-cleaning Quantity = 1 piece	3301.3										
	Electronic card for self-cleaning Quantity = 1 piece	3301.9										
	Motor start up card Quantity = 1 piece	3301.1										
	Call selection card Quantity = 1 piece	3301.2										
	Timer for self-cleaning Quantity = 1 piece	040020										



ACCESSORIES TABLE

		TECNO Block Maxi									
		ART.									
		MODEL	3200.0MB	3200.1MB	3200.4MB	3200.6MB	3200.8MB	3200.3MB	3200.2MB	3200.5MB	3200.7MB 3200.9MB
		ARTICLE									
  Anthracite coloured remote wall panel Quantity = 1 piece		4200.0									
  Aluminium coloured remote table panel Quantity = 1 piece		4200.2									
  Anthracite coloured remote table panel Quantity = 1 piece		4200.3									
 Remote control wall panel Quantity = 1 piece		4200.6									
 Resistive divider with 4 inlets Quantity = 1 piece		3301.4									



LT80
LT160

programmable
self-cleaning

LT80 LT160





Without self-cleaning **LT 80 - LT 160**
With self-cleaning **LT 80 C/A - LT 160 C/A**



IP20



Classe I



RECOMMENDED INSTALLATION

The dust separators are specifically designed for installation in small or large scale businesses/industries. It is essential to use them in conjunction with an industrial motor. They should be installed in service rooms that are closed and protected from extreme weather conditions, dampness and temperature changes.

Avoid installation near heat sources or, in areas with temperatures over 40°. At the planning stage, it is advisable to identify the best location for the separator with respect to the system, leaving a reasonable amount of space for installation, use and maintenance. You should also bear in mind the positioning of the air discharge piping to the outside and the piping coming from the vacuum system.

The separator's particular construction aspects means it has two separate openings, one on the right, the other on the left, to connect to the system's vacuum piping and air discharge. In the event of a system on several floors, it should be installed on the bottom floor.



LT 160 - LT 160 C/A

LT 80 - LT 80 C/A

INSTALLATION AREA

The 80 litre and 160 litre dust separators are available in versions with or without self-cleaning. They have to be used in conjunction with one or more vacuum motors with configured systems for air flow up to 700 m³/h for the 80 litre version and up to 1200 m³/h for the 160 litre version. These parts are used for systems with the following characteristics:

- Piping network with main duct in the floor and 50 and 63 mm diameter hose.
- 63/80 mm upright pipe (for the 80 litre version) or 63/80/100 mm (for the 160 litre version) depending on the selected configuration.
- 80 mm dust inlet (80 litres) or 100 mm (160 litres).
- 220/240 V single phase power (only on models with self-cleaning).
- Discharge to the outside.
- Possibility of 4 operators using the 80 litre system simultaneously or 6 operators using the 160 litre one.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

Dust container that holds 80 litres for the 80 litre unit and 160 litres for the 160 litre one. Front handle to easily unhook the dust container.

Adjustable vacuum breaker compensation valve. Daily or, weekly management of the self-cleaning cycle using a programmable timer.

Filter cartridge with a high filtering capacity. Dust bag for dust container fitted with metal bag string.

SELECTION CRITERIA









The 80 litre dust separator was designed for systems that can cover up to 700 m³/h. The 80 litre separator is a recommendable choice for small businesses and industries. The 160 litre separator was designed for systems that can cover up to 1200 m³/h. This separator is a recommendable choice for use in large businesses or industries.



SEPARATOR SELECTION TABLE

The SISTEM-AIR dust separators for industrial use offer numerous possibilities for use thanks to their versatility and flexibility in combining with the other components of an industrial central vacuum system. There are two versions of dust containers with different capacities and can be used in both large and small industrial environments.

The choice depends on the total air flow in the motors they are coupled with, the number of people using it and the possibility of having a programmable self-cleaning system for the filter. As the industrial dust separators are part of the system, it is advisable to make your choice after careful consideration, bearing in mind how it will be used and the kind of system, as well as the other parts needed to obtain a complete central vacuum system.

Motor air flow	MODEL	ARTICLE	Self-cleaning	Dust container capacity	Filtering surfac in cm ²	Max number of operators with Ø 32 Flex hose	Max number of operators with Ø 40 Flex hose	Volt ac power
Max 700 m ³ /h	LT 80	3200.0	NO	80	24000			-
	LT 80 C/A	3200.0A	YES	80	24000			220/240
Max 1200 m ³ /h	LT 160	3202.1	NO	160	43400			-
	LT 160 C/A	3202.1A	YES	160	43400			220/240

TECHNICAL NOTE

The 80 litre dust separator can be used by as many as 4 operators simultaneously with a Ø 32 mm flexible hose. With the Ø 40 mm hose, the number of operators drops to 3.

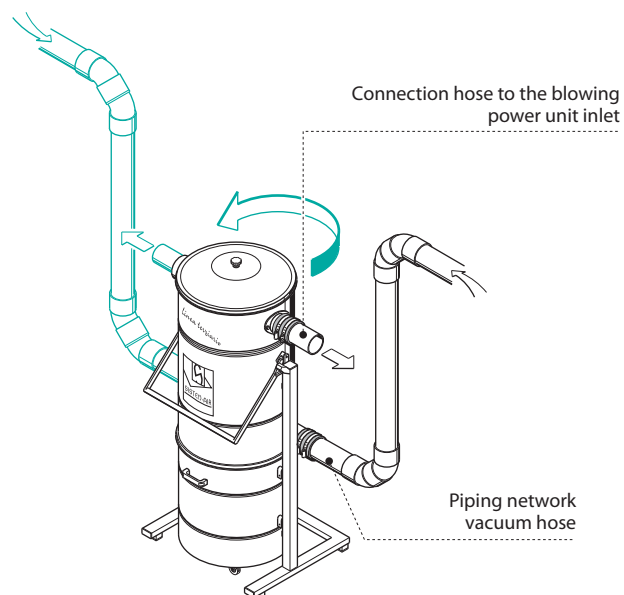
The 160 litre dust separator can be used by as many as 6 operators simultaneously with a Ø 32 mm hose. With the Ø 40 mm hose, the number of operators drops to 4.



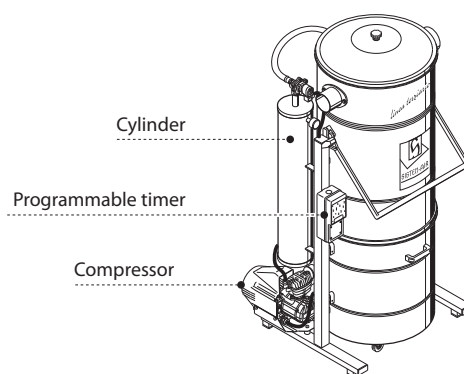
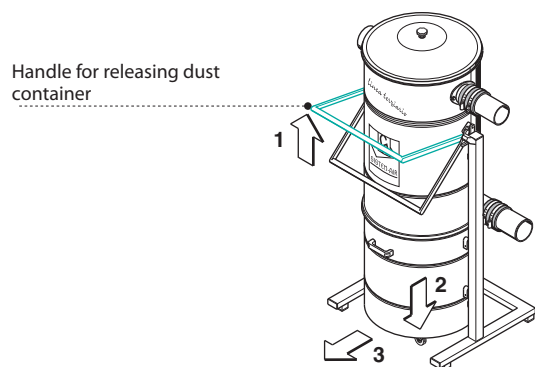
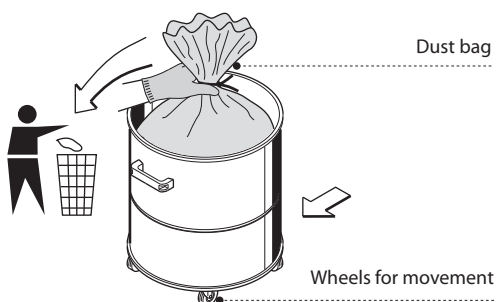
Thanks to their modularity, Sistem Air industrial units always allow to find the right solution as to suction power and quality in any situation.

CONNECTION TO THE SEPARATE AND ROTATING PIPING

The option of having two separate openings, one on the right, the other on the left, to connect to the system's vacuum piping and air discharge.


SELF-CLEANING (ON PRE-FITTED MODELS)

The separator can be fitted with programmable self-cleaning to clean the filter cartridge that is made up of a programmable timer, compressor and storage cylinder for compressed air. The filter is cleaned and blown from inside with a strong jet of compressed air at programmable intervals.


DISCHARGE WITH HANDLE

DUST CONTAINER ON WHEELS




TECHNICAL SPECIFICATIONS

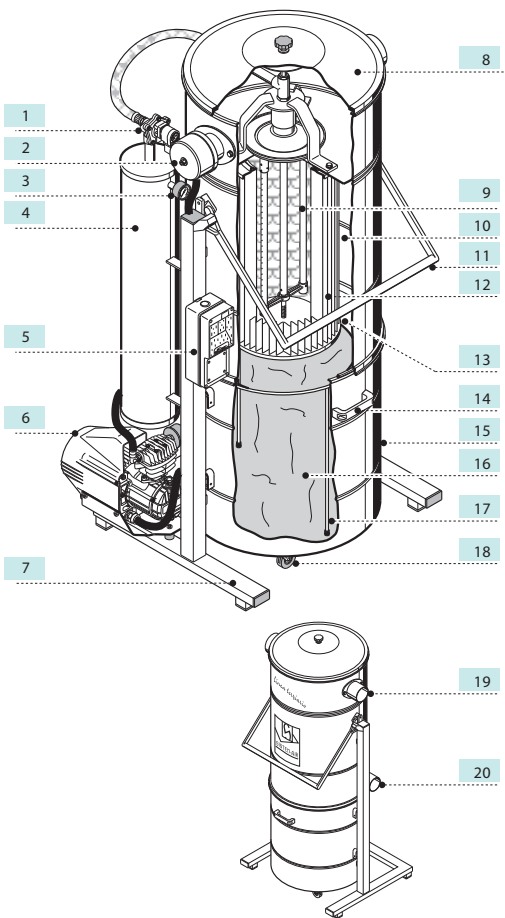
The Industrial series of dust separators have been designed and built in compliance with current legislation and EU directives, without, however, neglecting the fundamental elements such as operational ability, power and practicality of use.

Its main technical characteristics can be listed as follows:

- Base and supports in epoxy powder painted metal.
- Cylindrical frame in epoxy powder painted metal.
- Opening of the dust container with handle to make it easier to empty it.
- Metal dust container with wheels for movement.
- Bag and bag string in the dust collector, to rapidly and hygienically dispose of vacuumed matter.
- The polyester filter cartridge with a vast filtering surface area is **certified BIA – USG** and can be washed with water.
- Adjustable mechanical compensation valve to deal with the vacuum flow.
- The option of having two separate openings, one on the right, the other on the left, to connect to the system's suction piping and air discharge.
- Option of multiple installation with several separators linked to each other.

ONLY FOR MODELS WITH SELF-CLEANING

- 220/240 V ac general power
- Magnet thermal protection switch on the control panel.
- Self-cleaning programming timer
- Air compressor
- Noise level of compressor 68 dB (A)
- Programmable self-cleaning to clean the filter cartridge. The system comes with a compressor and storage cylinder (20 litres) for the compressed air that is discharged into the filter at programmable intervals.



1	Solenoid valve (only for separators with self-cleaning)
2	Safety valve for vacuuming
3	Manometer (only for separators with self-cleaning)
4	Compressed air tank (only for separators with self-cleaning)
5	Control panel (only for separators with self-cleaning)
6	Compressor (only for separators with self-cleaning)
7	Base
8	Cover
9	Impeller for self-cleaning (only for separators with self-cleaning)
10	Dust separator compartment
11	Unhooking handle
12	Filter cartridge
13	Conveyor cone
14	Handle
15	Dust container
16	Dust bag
17	Bag string
18	Wheels
19	Air vacuum attachment for the blowing power unit
20	Dust inlet

ATTACHING THE SEPARATOR

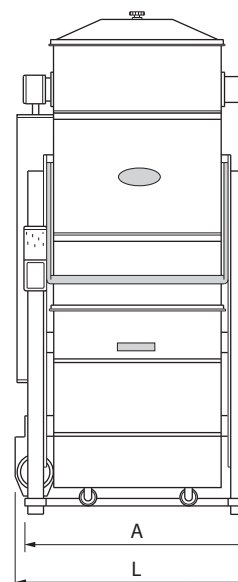
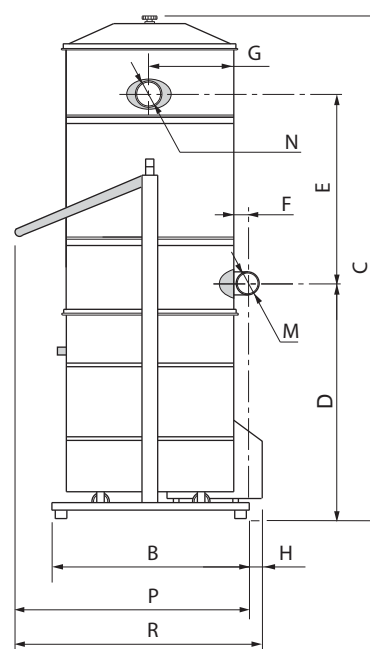
No particular attaching is required. However, you will have to check that the selected area for installation has the following minimum requirements to be correctly and safely positioned:

- a solid resting surface
- a flat, horizontal surface with no irregularities
- a surface unaffected by vibrations.

MEASUREMENT TABLES AND TECHNICAL DATA



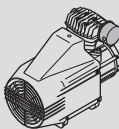
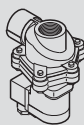

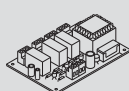

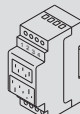
	ART.	Dust separators			
		3200.0	3202.1	3200.0A	3202.1A
MODEL		LT 80	LT 160	LT 80 C/A	LT 160 C/A
Separator with self-cleaning		NO	NO	YES	YES
Vacuum breaker safety valve		YES	YES	YES	YES
IP insulation level	IP	-	-	20	20
Supply	(Volt ac) Hz	-	-	220/240	220/240
Frequency	kHz	-	-	50/60	50/60
Compressor supply	A	-	-	0,7	0,7
Absorption	litres	-	-	3,2	3,2
Air cylinder capacity	m ³ /h	20	20	20	20
Maximum air flow	cm ²	700	1200	700	1200
Filtering surface areas	litres	24000	43400	24000	43400
Dust container capacity	kg	80	160	80	160
Weight	mm	53	67	76	92
Measurement A	mm	615	745	615	745
Measurement B	mm	505	645	505	645
Measurement C	mm	1645	1645	1680	1680
Measurement D	mm	770	815	770	815
Measurement E	mm	740	650	740	650
Measurement F	mm	70	70	70	70
Measurement G	mm	210	275	210	275
Measurement H	mm	-	-	110	60
Measurement L	ø mm	-	-	700	840
Measurement M – air inlet	ø mm	80	100	80	100
Measurement N – air outlet	mm	80	100	80	100
Measurement P	mm	650	820	650	820
Measurement R	dB(A)	-	-	760	880
Noise level lower than		-	-	68	68

N.B.: Levels of nominal noise. The levels can vary according to the speed of use, environment where the system has been installed and the kind of installation.





SPARE PARTS TABLE

		ART.	Dust separators			
			3200.0	3202.1	3200.0A	3202.1A
		MODEL	LT 80	LT 160	LT 80 C/A	LT 160 C/A
		ARTICLE				
 Polyester filter cartridge Quantity = 1 piece		1610.2				
		1610.4				
 Dust bags Quantity = 20 pieces		1614.2				
		1614.3				
 Compressor for self-cleaning Quantity = 1 piece		040002				
 Solenoid valve for self-cleaning Quantity = 1 piece		040016				
 Electronic pressure switch Quantity = 1 piece		3301.3				
 Electronic board for self-cleaning Quantity = 1 piece		3301.9				
 Rotating nozzle Quantity = 1 piece		040023				
 Self-cleaning timer Quantity = 1 piece		040020				

Blowing Power Units Range



IP20



Classe I



RECOMMENDED INSTALLATION

The motor bodies are ideal for installation in industrial and business environments (hotels, public offices, industries...) and can be used individually, or, together with other motors. It is essential to use them in conjunction with a dust separator. They should be installed in service rooms that are closed and protected from extreme weather conditions, dampness and excessive temperature changes. You should also choose areas at some distance from heat sources, such as heaters or central heating. (IP20 insulation level).

Ensure the selected installation rooms are well aired and that the temperature inside does not exceed 40°C. Depending on the model selected, the rooms that will house the blowing units should have a suitable power supply.

At the planning stage, it is advisable to identify the best location for the motor with respect to the system, leaving a reasonable amount of space for installation, use and maintenance. You should also bear in mind the positioning of the air discharge piping to the outside and the piping coming from the vacuum system. In the event of a system on several floors, it should be installed on the bottom floor.



INSTALLATION AREA

The blowing power unit must be used in conjunction with the appropriate dust separator (80 litres and 160 litres). The motors in this range are parts that are used on systems with the following characteristics:

- piping network with main duct in the floor and 63 and 50 mm diameter pipe.
- 63/80/100mm upright pipe depending on the selected configuration.
- 380 V three phase power.

PARTICULAR CHARACTERISTICS OF THE PRODUCT

It is an industrial, top performance three phase motor with blower, light alloy side channels, and is maintenance free. Vacuum channels and vertical discharge. Electronic speed converter (on pre-fitted models). The option of combining the motors fitted with electronic speed converter, with external electronic control boards for maximum performance and consumption, according to its different uses. Magnetic thermal protection. Switch for micro line, to make daily maintenance easier.

SELECTION CRITERIA

The blowing units should be selected according to the number of operators required and the specific needs of the system.



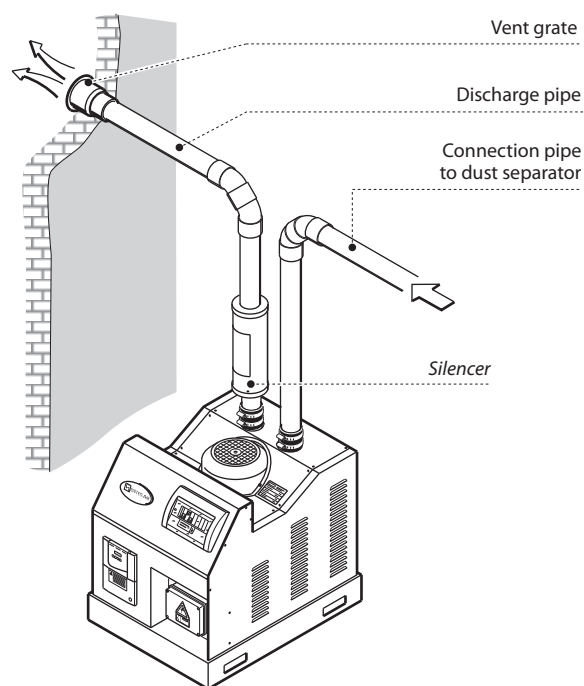
MOTORS SELECTION TABLE

The industrial Sistem-Air vacuum motors can be used in numerous ways, thanks to their flexibility in combining with other parts of an industrial central vacuum system. Putting the system together can be completely personalised so please consult the chapter “Guide to selecting industrial system”. The choice of motors should be made on the basis of the number of people using the system simultaneously and the surface area to be cleaned, in order to ensure maximum duration and performance over time. Depending on your needs, you can choose to install a system with electric motors, or, fitted with electronic speed and performance management. As the industrial motors are part of the system, you should make your choice only after reflecting on how it will be used and the kind of system itself. You should also evaluate the use of available accessories, created to optimise the vacuum system’s performance. Should you have any doubts, our representatives will be able to advise you on the most appropriate system that best meets your needs.

Maximum number of operators	ARTICLE	Electronic speed converter	Maximum air flow (m³/h)	Phase supply kW	Volt Ac	Absorption A	
	060005Q	NO	300	2,2	3 / 380	5,8	
	060005QE	YES	210/340	2,2	3 / 380	5,8	
	060006Q	NO	460	4	3 / 380	10,5	
	060006QE	YES	300/450	4	3 / 380	10,5	
	060008Q	NO	590	5,5	3 / 380	14,5	
	060008QE	YES	280/650	5,5	3 / 380	14,5	
	060010QE	YES	280/970	7,5	3 / 380	19,8	



Power, reliability and working life are features common to every blowing motor of the Sistem Air industrial series.

CONNECTION TO THE PIPING NETWORK

ELECTRONIC CONVERTER

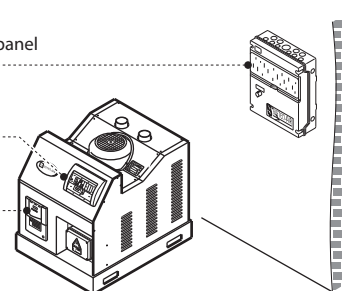
You can set different speeds/performance usage on the blowing motor unit. Combined with the control panel for speed modulation (Art. 3301.5, not included but supplied on request), the speed / strength of blowing will automatically be proportioned on the basis of actual vacuuming needs, optimizing performance and reducing power consumption.

Note: available according to the models and can be used with micro line systems fitted with resistive dividers (Parts no. 3301.4).

Speed modulation control panel

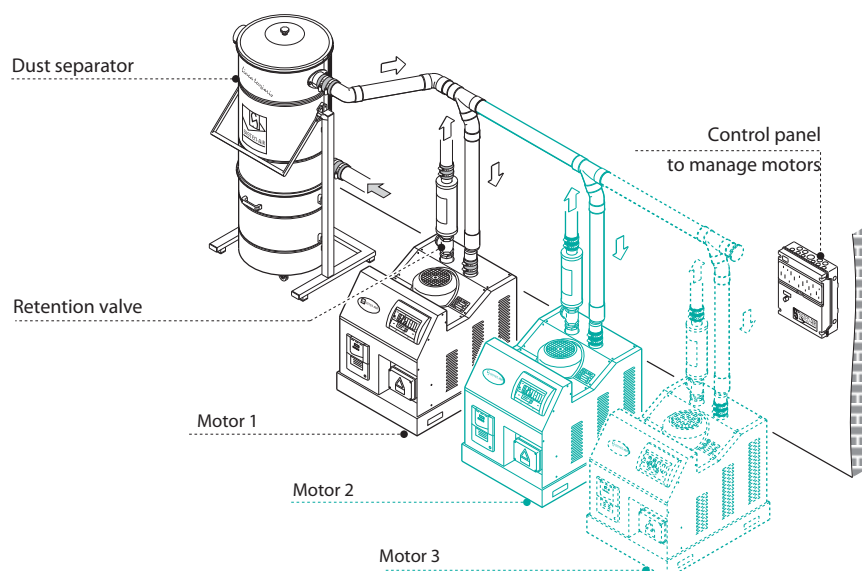
Motor control panel

Electronic converter


SYSTEM THAT CAN BE MODULATED

Total combination flexibility to find the best solution for your project.

Note: in the case of solutions with more than one motor, fit them with retention valves (select from the technical data table and accessories table).



SUMMARY TABLE OF AVAILABLE SPEEDS AND KIND OF SELECTION

MODEL	ARTICLE	Speed can be set manually	Speed can be modulated electronically	Speed converter	Electronic board for speed modulation	
Industrial motors	060005Q	■	-	-	-	
	060006Q	■	-	-	-	
	060008Q	■	-	-	-	
	060005QE	■ ■ ■ ■	■ ■ ■ ■ (1)	✓	✓ (2)	
	060006QE	■ ■ ■ ■	■ ■ ■ ■ (1)	✓	✓ (2)	
	060008QE	■ ■ ■ ■	■ ■ ■ ■ (1)	✓	✓ (2)	
	060010QE	■ ■ ■ ■	■ ■ ■ ■ (1)	✓	✓ (2)	

Legende:

■ = Number of speeds that can be set (e.g. ■ ■ = 2 speeds can be set)

✓ = Available

- = NO

(1) = Can only be used with systems fitted with resistive dividers parts no. 3301.4

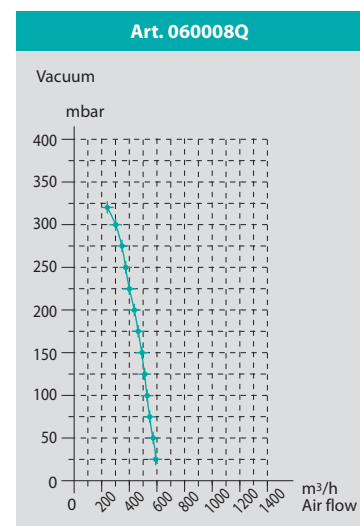
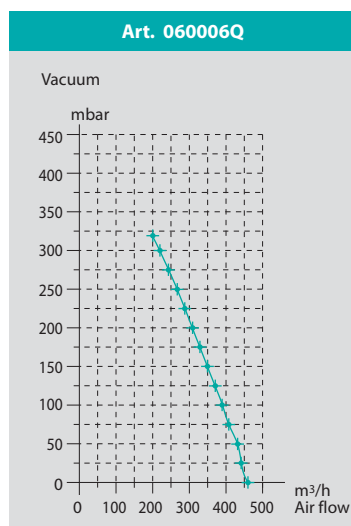
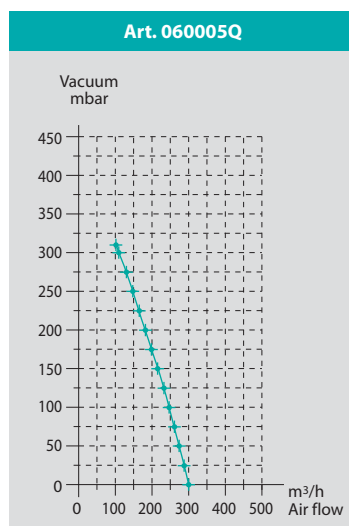
(2) = Part on request, not included (parts no. 3301.5)

PERFORMANCE GRAPHS

They reflect the flow / vacuum curves for the standard motors with direct start up, not fitted with electronic speed converter.

Frequency used: 50 Hz

Speed 1

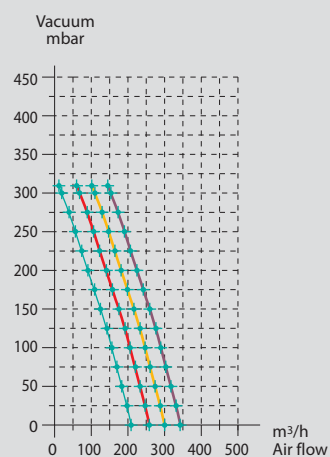




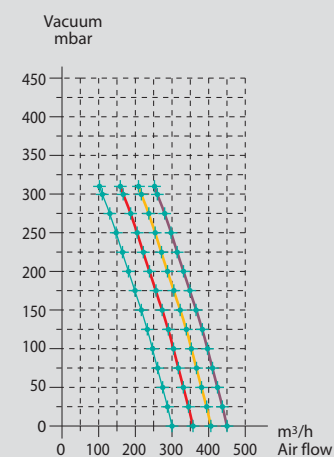
PERFORMANCE GRAPHS

They reflect the flow / vacuum curves for electric motors fitted with electronic speed converter.

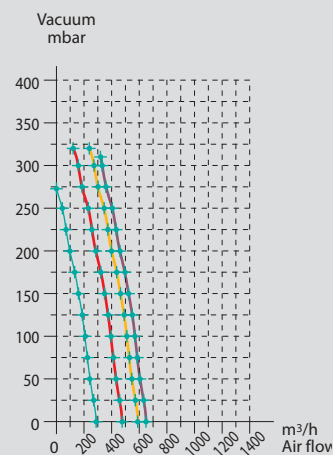
Art. 060005QE



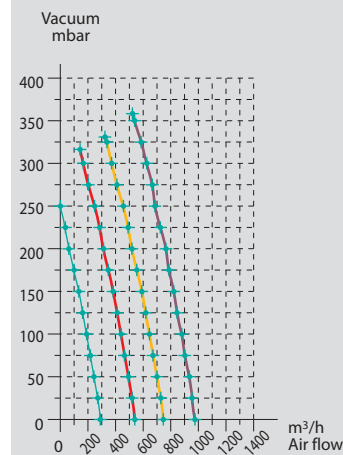
Art. 060006QE



Art. 060008QE



Art. 060010QE





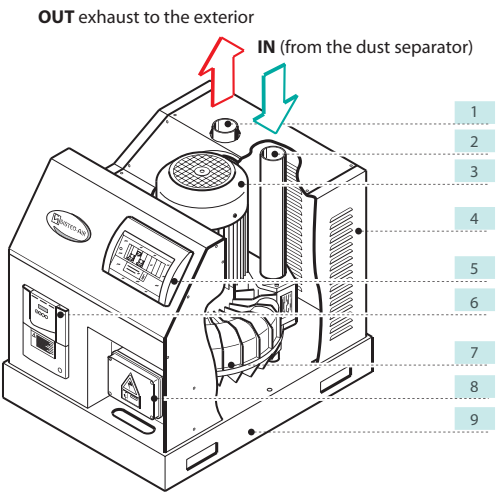
TECHNICAL SPECIFICATIONS

The Industrial series of vacuum motors have been designed and built in compliance with current legislation and EU directives, without, however, neglecting the fundamental elements such as operational ability, power and practicality of use. Its main technical characteristics can be listed as follows:

- Bearing structure base in epoxy powder painted metal.
- Professional CE motor-pump unit, insulation cat. F. Power varies according to the model.
- Vacuum pump with side channel, light alloy cover, with top performance and maintenance free. Performance varies according to the model.
- Motor noise level dB (A): from 68 to 85, depending on the models and performance.
- Electronic speed converter with self-ventilation and safety system to protect the unit. Under irregular working conditions or excessive increase in temperature, the converter intervenes to automatically turn off the central vacuum unit (only on pre-fitted models).
- Electronic card for controlling speed and performance: allows you to optimise the vacuuming strength, proportioning consumption. (only on pre-fitted models).
- 380 V general power, depending on the model
- Vacuum power sockets with 12 V dc voltage.
- Magnet thermal protection switch on the control panel.
- Circuit breaker switch for the micro line.
- Main switch.
- Option of multiple installation with several motors linked to each other.

N.B: in order to obtain the electronic speed modulation, the motor bodies with electronic control system need a micro line on the vacuum system fitted with resistive dividers (Parts no. 3301.4).

Note: During installation, check that the absorption of the motor body does not exceed the data shown on the technical data plaque. Should the absorption be greater than the levels on the plaque, slacken the regulation of the vacuum breaker valve located on the dust separator until the levels are once again stable.

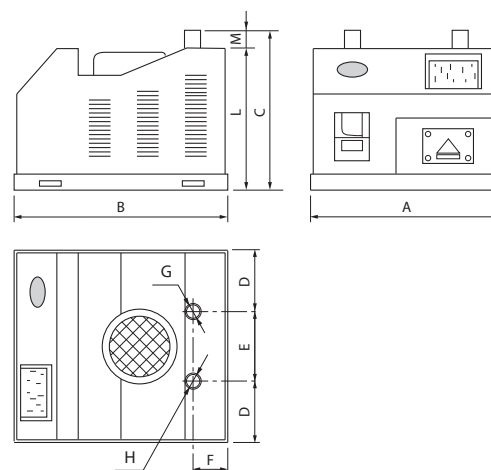


1	Air vent connector
2	Vacuum connector
3	Electric motor
4	Protection cover
5	Motor control panel
6	Panel for regulating motor speed (on pre-fitted models)
7	Vacuum pump unit
8	Control panel
9	Base

Motor fitting

No particular attaching is required. However, you will have to check that the selected area for installation has the following minimum requirements to be correctly and safely positioned:

- a solid resting surface
- a flat, horizontal surface with no irregularities
- a surface unaffected by vibrations.

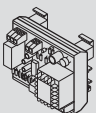

MEASUREMENT TABLES AND TECHNICAL DATA

ART.	Blowing power units						
	060005Q	060006Q	060008Q	060005QE	060006QE	060008QE	060010QE
Electronic speed converter	NO	NO	NO	YES	YES	YES	YES
Insulation level	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Power	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380	Phasen\Volt ac 3/380
Frequency	Hz 50/60	Hz 50/60	Hz 50/60	Hz 50	Hz 50	Hz 50	Hz 50
Motor power	kW 2,2	kW 4	kW 5,5	kW 2,2	kW 4	kW 5,5	kW 7,5
Absorption	A 5,8	A 10,5	A 14,5	A 5,8	A 10,5	A 14,5	A 19,8
Socket supply	Volt dc 12	Volt dc 12	Volt dc 12	Volt dc 12	Volt dc 12	Volt dc 12	Volt dc 12
Maximum air flow	m³/h 300	m³/h 460	m³/h 590	m³/h 210/340	m³/h 300/450	m³/h 280/650	m³/h 280/970
Air vent	YES	YES	YES	YES	YES	YES	YES
Weight	kg 73	kg 97	kg 141	kg 75	kg 88	kg 143	kg 156
Measurement A	mm 540	mm 540	mm 595	mm 540	mm 540	mm 595	mm 595
Measurement B	mm 690	mm 690	mm 810	mm 690	mm 690	mm 810	mm 810
Measurement C	mm 600	mm 640	mm 800	mm 600	mm 600	mm 800	mm 830
Measurement D	mm 190	mm 175	mm 202,5	mm 190	mm 190	mm 202,5	mm 182,5
Measurement E	mm 160	mm 190	mm 190	mm 160	mm 160	mm 190	mm 230
Measurement F	mm 140	mm 100	mm 140	mm 140	mm 140	mm 140	mm 130
Measurement G air inlet	ø mm 60	ø mm 80	ø mm 80	ø mm 60	ø mm 60	ø mm 80	ø mm 100
Measurement H air outlet	ø mm 60	ø mm 80	ø mm 80	ø mm 60	ø mm 60	ø mm 80	ø mm 100
Measurement L	mm 580	mm 580	mm 750	mm 580	mm 580	mm 750	mm 750
Measurement M	mm 20	mm 60	mm 50	mm 20	mm 20	mm 50	mm 80
Noise level	dB(A) 68÷85						







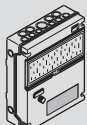
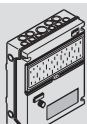
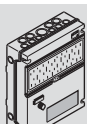


N.B.: Levels of nominal noise. The levels can vary according to the speed of use, environment where the central unit has been installed and the kind of installation.



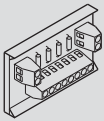



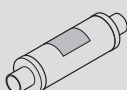
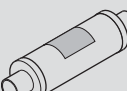
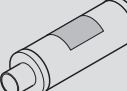
SPARE PARTS TABLE

ART.	ARTICLE	Blowing power units					
		060005Q	060006Q	060008Q	060005QE	060006QE	060008QE
 Motor start up board Quantity = 1 piece	3301.1						

ACCESSORIES TABLE

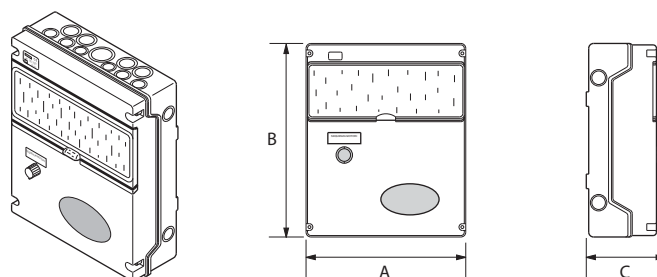
ART.	ARTICLE	Blowing power units					
		060005Q	060006Q	060008Q	060005QE	060006QE	060008QE
  Anthracite coloured remote wall panel Quantity = 1 piece	4200.0						
  Aluminium coloured remote table panel Quantity = 1 piece	4200.2						
  Anthracite coloured remote table panel Quantity = 1 piece	4200.3						
 Selection and call board for start up of Max 2 motors Quantity = 1 piece	3301.6						
 Selection and call board for start up of Max 3 motors Quantity = 1 piece	3301.0						
 Selection and call board for start up of Max 8 motors Quantity = 1 piece	3301.10						
 Control board to regulate speed - max. 1 motor Quantity = 1 piece	3301.5						
 Control board to regulate speed - max. 2 motors Quantity = 1 piece	3301.7						

ACCESSORIES TABLE

	ART.	Blowing power units						
		060005Q	060006Q	060008Q	060005QE	060006QE	060008QE	060010QE
	ARTICLE							
 <p>Resistive divider with 4 inlets Quantity = 1 piece</p>	3301.4							
 <p>2" Retention valve for motor coupling Quantity = 1 piece</p>	0110001							
 <p>3" Retention valve for motor coupling Quantity = 1 piece</p>	0110003							
 <p>4" Retention valve for motor coupling Quantity = 1 piece</p>	0110002							
 <p>2" air vent silencer Quantity = 1 piece</p>	11001							
 <p>3" air vent silencer Quantity = 1 piece</p>	11002							
 <p>4" air vent silencer Quantity = 1 piece</p>	11003							

SELECTION AND CALL BOARDS MOTOR START UP

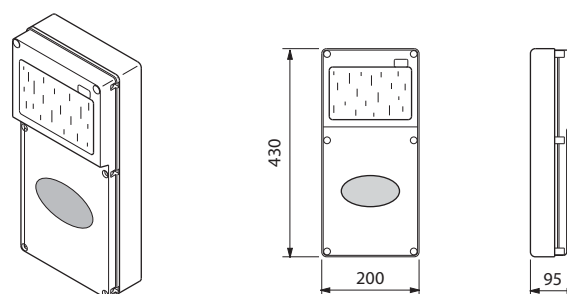
The control panel for the start up call selection is used when more than one standard motor without an electronic speed converter, is installed on a single system. The internal electronic system installed on the micro switch line, using the resistive divider (art. 3301.4) aims to control turning on and off one or more of the system's motors, according to the number of inlet valves used, and to control the number of operational hours of each motor body. It is, in fact, possible to invert the motors' start up priority using a cyclical switch, thus balancing out the motors' state of wear.



ARTICLE	MAX MOTORS	POWER SUPPLY (Volt ac)	PACKAGING (pieces)	A	B	C	FOR MOTOR Article
3301.6	2		1	330	400	140	060005Q 060006Q 060008Q
3301.0	3		1	330	400	140	
3301.10	8		1	515	650	250	

CONTROL PANEL FOR THE MODULATION OF THE MOTOR SPEED

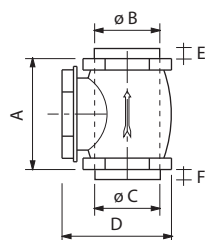
The electronic panel for the modulation of the speed of the motor body, is used when you one electronic motor is installed. The internal electronic system allows for the installation on the micro switch line, using the resistive divider (parts no. 3301.4), to control the speed of the motor body according to the number of inlet valves used, and to obtain greater performance with lower consumption. The system foresees up to four levels of commutation (4 speeds) and is suitable for all the electronic units even those with different power.



ARTICLE	MAX MOTORS	POWER SUPPLY (VOLT AC)	PACKAGING (pieces)	FOR MOTOR Article
3301.5	1	220/240	1	060005QE 060006QE 060008QE 060010QE
3301.7	2	220/240	1	

RETENTION VALVES FOR MOTOR COUPLING

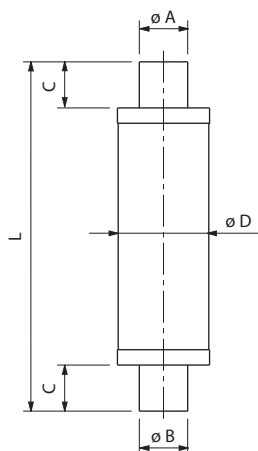
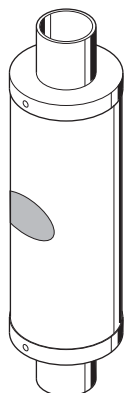
If there is more than one blowing unit on the same system, the retention valve has to be fitted on each individual motor. It has to be installed directly on the motor air vent connector to ensure the maintenance of the air pocket when one motor is in use while the other(s) are off.



ARTICLE	MEASUREMENT	Hose DIAMETER	A mm	B mm	C mm	D mm	E mm	F mm	PACKAGING (pieces)
0110001	2"	63	97	63	63	92	52	52	1
0110003	3"	80	136	80	80	132	70	70	1
0110002	4"	100	165	4" F	4" M	170	-	55	1

AIR VENT SILENCER

The air vent silencer is installed directly on the motor body in order to lower the noise level. Should you wish to make it even quieter, more silencers can be added.

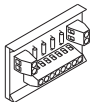
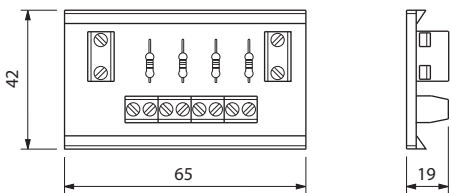
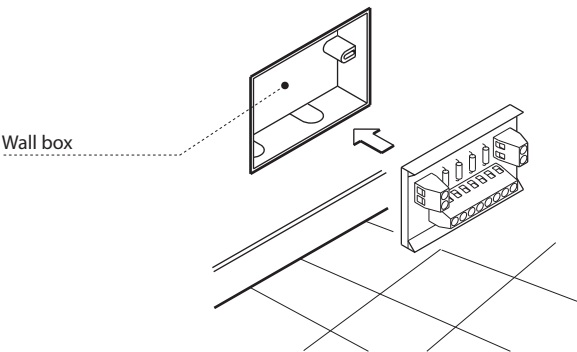


ARTICLE	MEASUREMENT	Hose DIAMETER	A mm	B mm	L mm	C mm	D mm	PACKAGING (pieces)
11001	2"	63	60	60	455	60	120	1
11002	3"	80	80	80	455	60	140	1
11003	4"	100	100	4" M	595	80	160	1



RESISTIVE DIVIDER CARD

The resistive divider is essential when you want to modulate the speed of a motor body or control the turning on and off of more than one motor body. Each divider can hold up to four inlet valves that can be linked up to each other with no maximum limit.

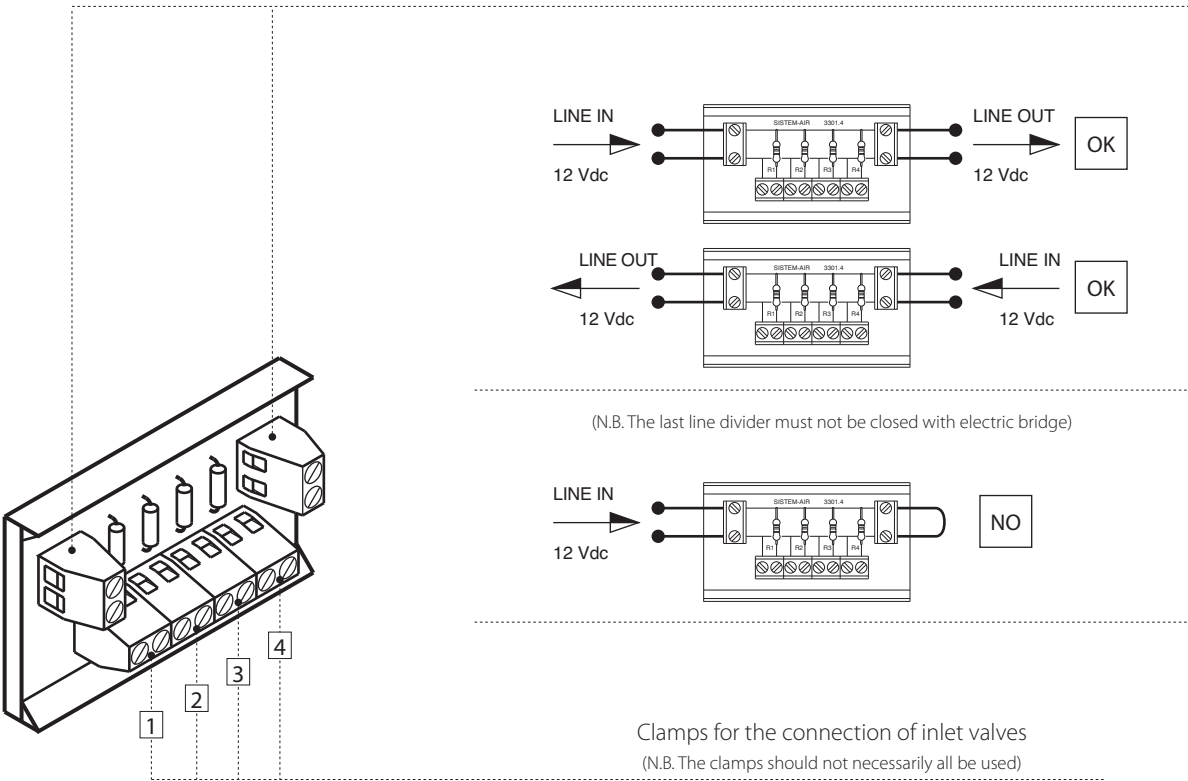


ARTICLE	DESCRIPTION	Packing
3301.4	Resistive divider with 4 inlets	1

EXPLANATORY DRAWING OF CONNECTION EXAMPLES

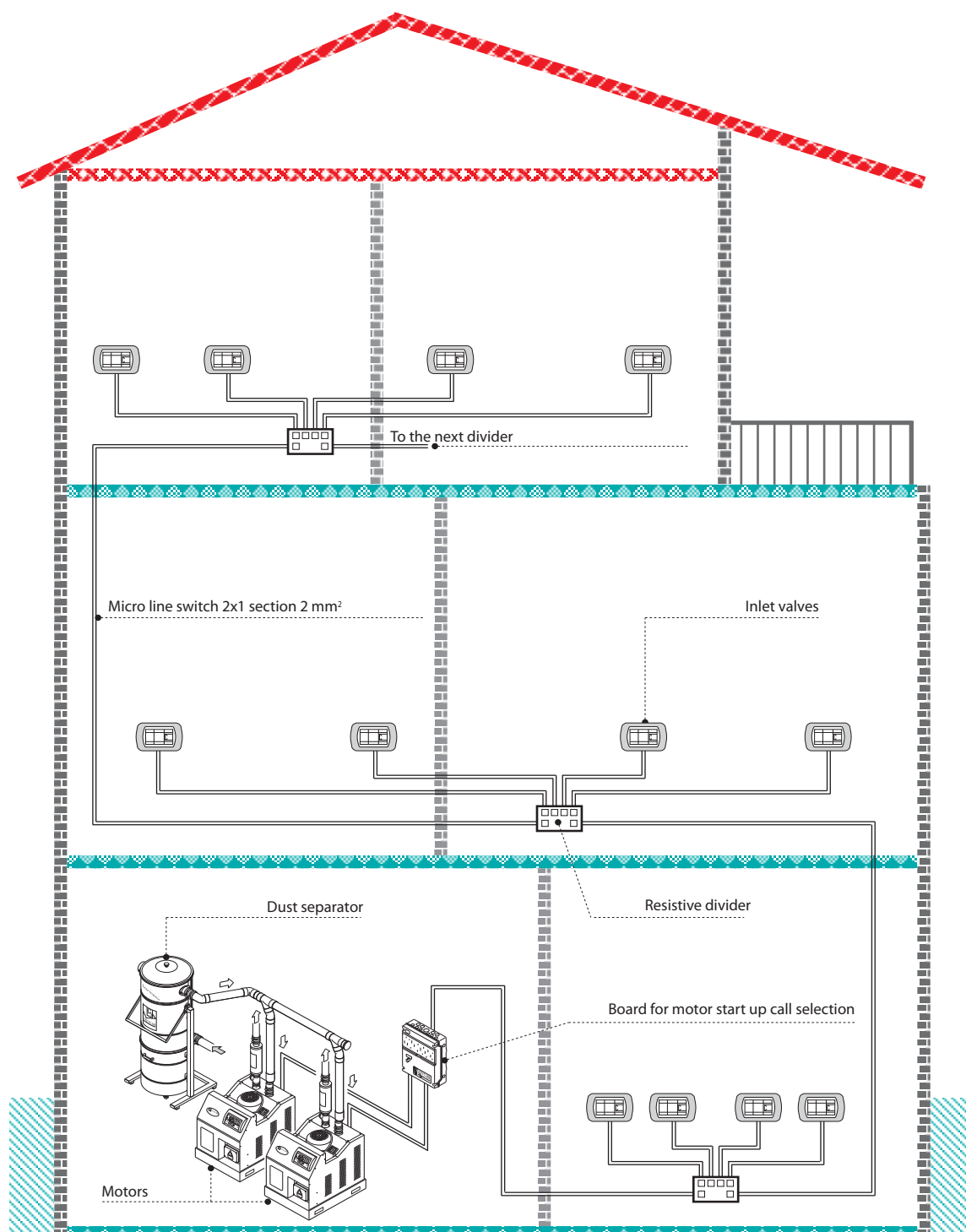
Clamps for MICRO line cable connections

(N.B.: the connection of the MICRO line inlet and outlet clamps can be carried out indifferently by both sides, see example shown below).



EXAMPLES OF DIVIDER INSTALLATION

The resistive divider is essential when you want to modulate the speed of a motor body or control the turning on and off of more than one motor body. Each divider can hold up to four inlet valves that can be linked up to each other with no maximum limit. An installation example of the micro line with resistive dividers is then schematically represented.





GUIDE TO THE CORRECT SELECTION OF INDUSTRIAL CENTRAL UNITS

As a demonstration of the complete possibility of modulating these systems, different kinds of installations are proposed on a par with the number of simultaneous operators.

Following the tables below, it is possible to highlight all the codes and quantity required to correctly select a central vacuum unit in the industry. Identifying the product can be done on the basis of a number of operators and can be divided into three different options:

BASIC SOLUTION

While running, the central unit motor always absorbs with the maximum power, and when starting up has no device that limits the peak current absorption.

IDEAL SOLUTION

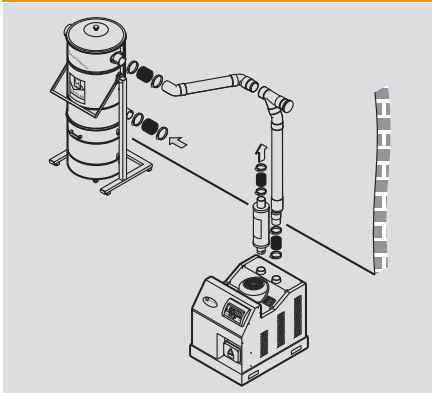
The central vacuum unit motor starts up with the help of an electronic device that limits the absorption peak current. The electronic system with resistive choke dividers allows you to modulate the power absorbed with respect to the number of operators actually working.

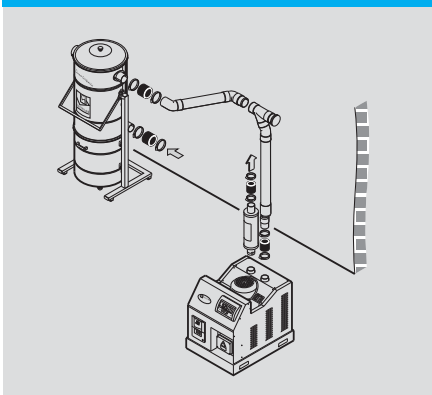
TOP OF THE RANGE SOLUTION

As well as the characteristics found in the ideal solution, it also comes with an electronic control panel that allows you to divide the use of the motors on the basis of the operators' actual needs; this system allows you to manage a considerable rationalisation of consumption while the system is being used.



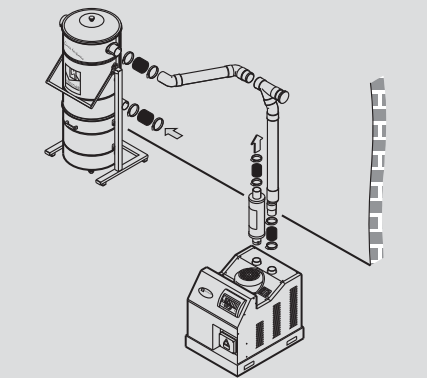
Max number of operators 1 - Max no. of sockets 40

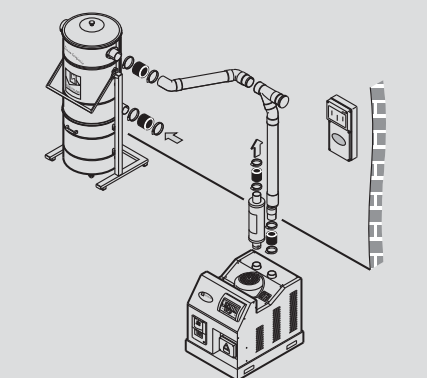
BASIC Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3200.0	80 litre dust separator	1
	060005Q	380 V 2.2 kW blowing power unit, complete with control panel	1
	11001	Ø 2" metal silencer	1

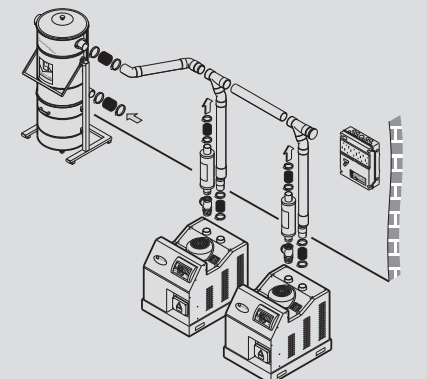
IDEAL Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3200.0A	80 litre dust separator with self-cleaning filter	1
	060005QE	380 V 2.2 kW electronic blowing power unit, complete with control panel	1
	11001	Ø 2" metal silencer	1



Max number of operators 2 - Max no. of sockets 60

BASIC Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3200.0	80 litre dust separator	1
	060006Q	380 V 4 kW blowing power unit, complete with control panel	1
	11002	Ø 3" metal silencer	1

IDEAL Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3200.0A	80 litre dust separator with self-cleaning filter	1
	060006QE	380 V 4 kW electronic blowing power unit, complete with control panel	1
	11001	Ø 2" metal silencer	1
	3301.5	Control panel for the modulation of the electronic motors	1

TOP Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3200.1A	160 litre dust separator with self-cleaning filter	1
	060005Q	380 V 2.2 kW electronic blowing power unit, complete with control panel	2
	11001	Ø 2" metal silencer	2
	0110001	Ø 2" retention valve for the coupling of more than one motor	2
	3301.6	Control panel for the cascade start up of 2 motors	1



Max number of operators 3 - Max no. of sockets 80

BASIC Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1	160 litre dust separator	1
	060008Q	380 V 5,5 kW blowing power unit, complete with control panel	1
	11002	Ø 3" metal silencer	1

IDEAL Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060008QE	380 V 5.5 kW electronic blowing power unit, complete with control panel	1
	11002	Ø 3" metal silencer	1
	3301.5	Control panel for the modulation of the electronic motors	1

TOP Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060005Q	380 V 2.2 kW electronic blowing power unit, complete with control panel	3
	11001	Ø 2" metal silencer	3
	0110001	Ø 2" retention valve for the coupling of more than one motor	3
	3301.0	Control panel for cascade start up of 3 motors	1



Max number of operators 4 -Max no. of sockets 100

BASIC Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1	160 litre dust separator	1
	060006Q	380 V 4 kW blowing power unit, complete with control panel	2
	11002	Ø 3" metal silencer	2
	0110003	Ø 3" retention valve for the coupling of more than one motor	2
	3301.6	Control panel for cascade start up of 2 motors	1

IDEAL Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060010QE	380 V 7.5 kW electronic blowing power unit, complete with control panel	1
	11003	Ø 4" metal silencer	1
	3301.5	Control panel for the modulation of the electronic motors	1

TOP Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060006Q	380 V 4 kW electronic blowing power unit, complete with control panel	2
	11002	Ø 3" metal silencer	2
	0110003	Ø 3" retention valve for the coupling of more than one motor	2
	3301.6	Control panel for cascade start up of 2 motors	1



Max number of operators 6 - Max no. of sockets 110

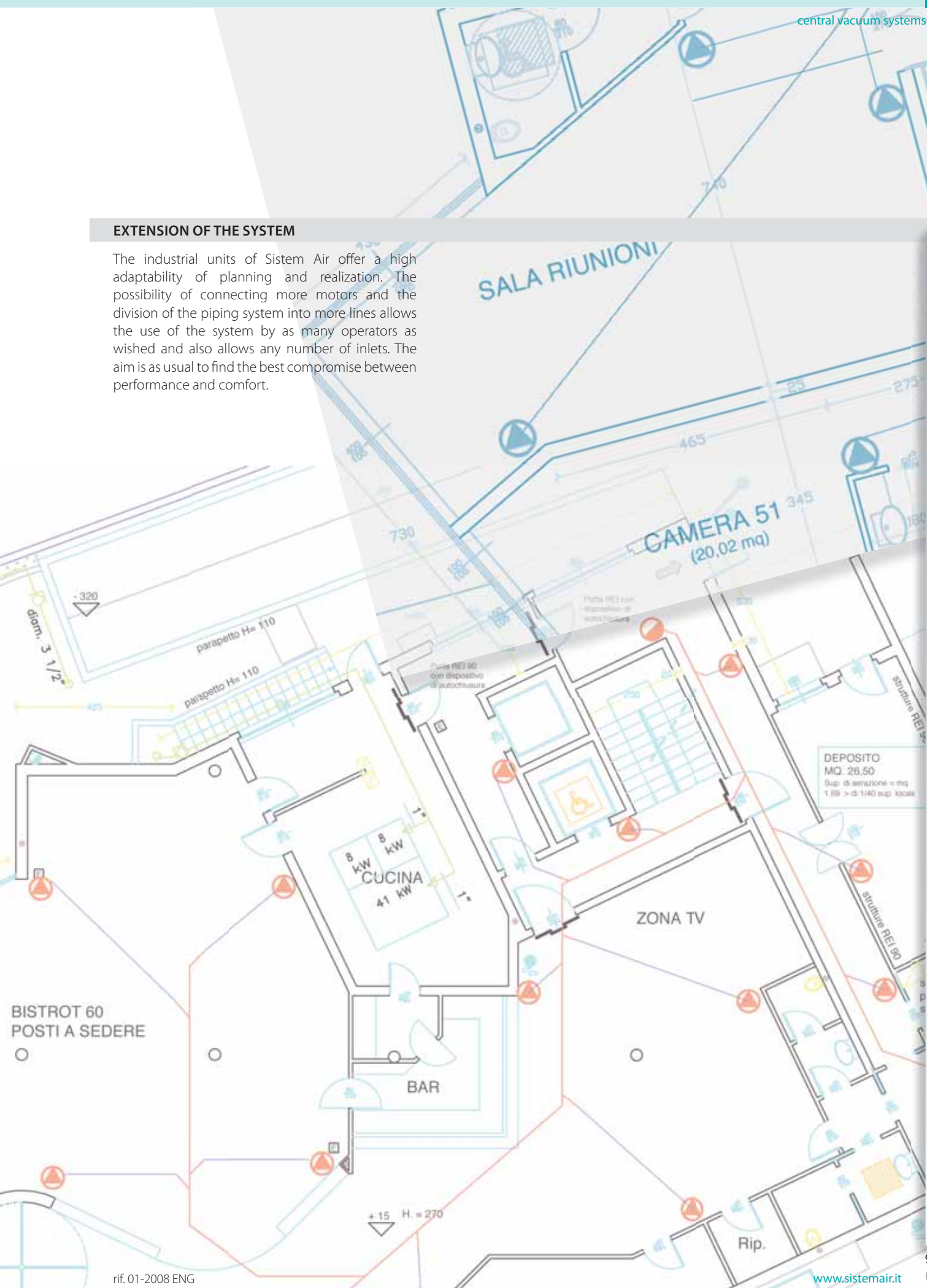
BASIC Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1	160 litre dust separator	1
	060008Q	380 V 5,5 kW blowing power unit, complete with control panel	2
	11002	Ø 3" metal silencer	2
	0110003	Ø 3" retention valve for the coupling of more than one motor	2
	3301.6	Control panel for cascade start up of 2 motors	1

IDEAL Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060008Q	380 V 5.5 kW electronic blowing power unit, complete with control panel	2
	11002	Ø 3" metal silencer	2
	0110003	Ø 3" retention valve for the coupling of more than one motor	2
	3301.6	Control panel for cascade start up of 2 motors	1

TOP-Solution	ARTICLE	PRODUCT DESCRIPTION	Quantity
	3202.1A	160 litre dust separator with self-cleaning filter	1
	060006Q	380 V 4 kW electronic blowing power unit, complete with control panel	3
	11002	Ø 3" metal silencer	3
	0110003	Ø 3" retention valve for the coupling of more than one motor	3
	3301.0	Control panel for cascade start up of 3 motors	1

EXTENSION OF THE SYSTEM

The industrial units of Sistem Air offer a high adaptability of planning and realization. The possibility of connecting more motors and the division of the piping system into more lines allows the use of the system by as many operators as wished and also allows any number of inlets. The aim is as usual to find the best compromise between performance and comfort.





perfect fit
of all components





NOTES ON INSTALLATION

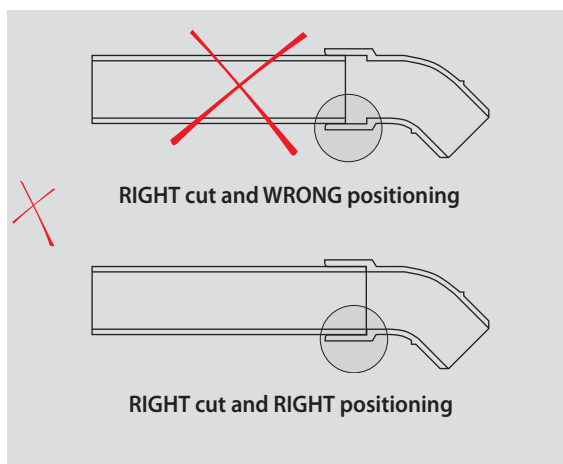
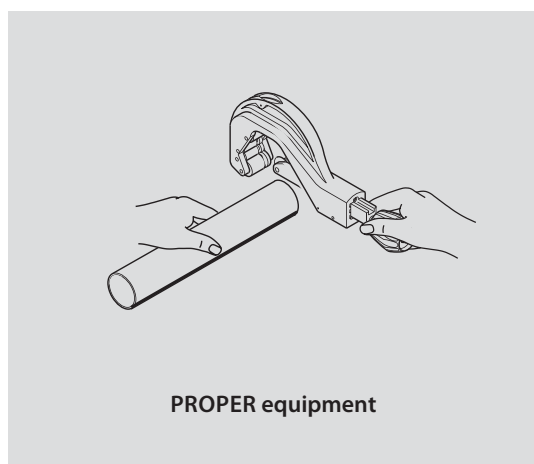
The SISTEM-AIR piping is made up of antistatic, self-extinguishing PVC, built to guarantee a perfect combination between piping and connections. In particular, the piping is: Self-extinguishing, antistatic, calibrated, with thickness of between 2.2 mm for Ø 50 mm diameter and 3 mm for Ø 63/80/100 mm diameter. All connections of the piping network are glued together with special self-adhesive cold glue. Its particular technical characteristics ensure that the glued parts stick perfectly.

The correct setting and installation of the piping network ensures that the system works properly and this is why it is undoubtedly considered the most important stage for obtaining optimum running of the centralised vacuum system. We advise all operators to stick rigidly to the advice provided in order to simplify the operations for compiling the piping network and ensure optimum running of the system, thus keeping a steady performance over time.

Cut of the piping and proper joining of connectors

In order to cut the pipes properly, use **ONLY** cylindrical pipe cutting tool.

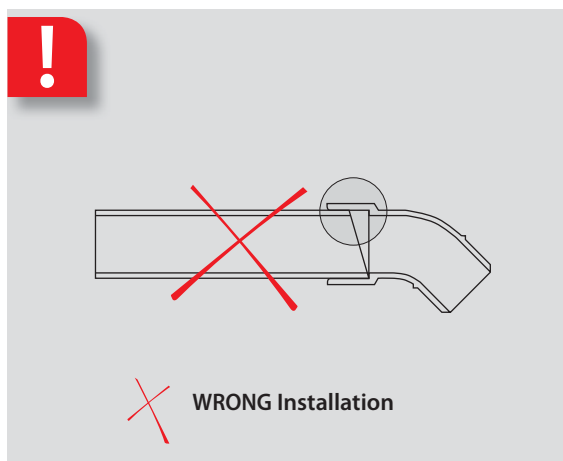
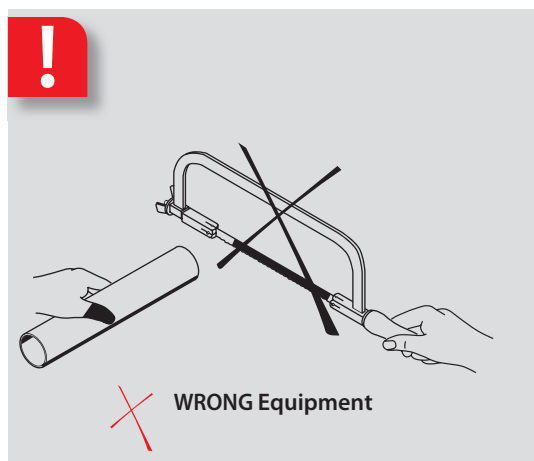
The pipes should **ALWAYS** be placed correctly: they should always be inserted till it reaches the ledge.



Examples of WRONG pipe cutting

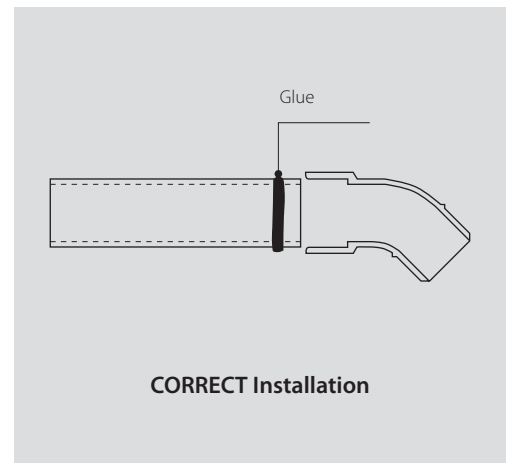
UNSUITABLE tool for cutting.

Example of cut made with an unsuitable tool.



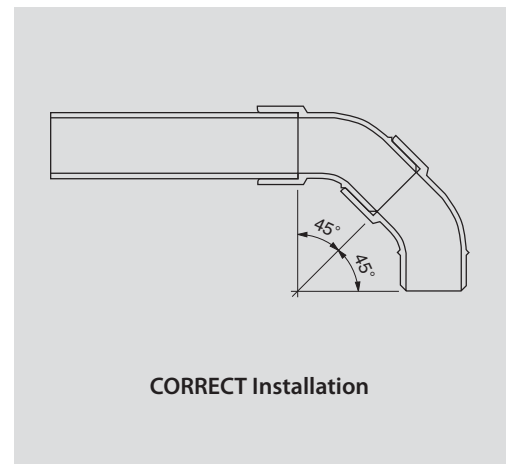
Gluing the piping to the connectors

The stage of gluing the piping to the connectors is without a doubt the most delicate stage of the central vacuum system because if it is not carried out properly, there could be a loss in flow of the system. Overtime, this would cause sedimentation of the vacuumed product inside the piping located into chase. The operation is carried out properly by spreading the glue only on the piping or on the male part of the connector. This ensures that when the piping is fitted to the connector, any excess glue will overflow creating an extra hold ring. If the operation were to be done the other way round, that is, spreading the glue onto the female part of the connector, the excess glue would drip inside the piping when it is fitted to the connector.



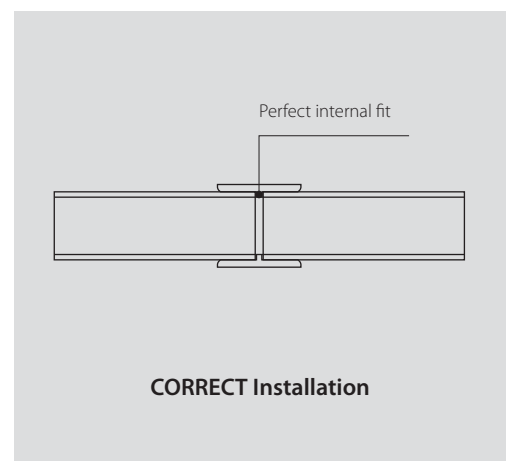
Radius of the curve

The radius of the curve of the piping network located externally or into chase, must be done with 45° connectors that will guarantee as little force as possible of passing vacuumed air, e.g.: a 90° curve can be made in two different ways, firstly with a male female and female female curve connector; secondly 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 the speed of the vacuumed air and the better the final performance of the centralised vacuum system will be.



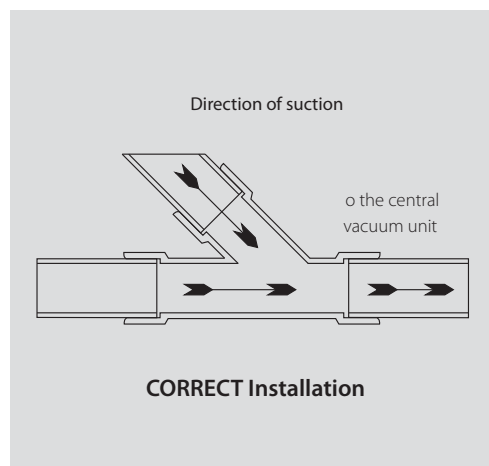
Linear junction of the pipe

The junction of the piping must be made with the appropriate double stop coupling connector; the stop found in all the connectors with a SISTEM-AIR label is the element that ensures the piping combines with the connector. To ensure the piping fits perfectly with the connectors and there are no gaps inside the piping, it is ESSENTIAL to cut it with the appropriate tool. This will ensure an exact, linear cut with no burr.



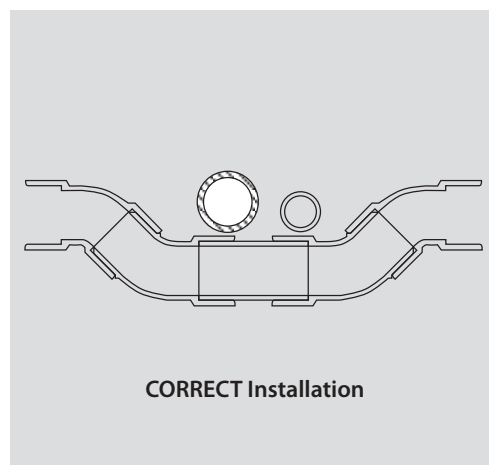
Direction of suction

For the branching of more inlet valve points, use the female female 45° derivation connectors, or male female 45° derivation. This connector is used both for the derivation of a socket pipe line on the same floor and for the stable implementation of upright pipes on several floors. It is essential that the derivation is always installed correctly in relation to the system's direction of suction (see figure). The incorrect installation of the derivation will inevitably block the system.



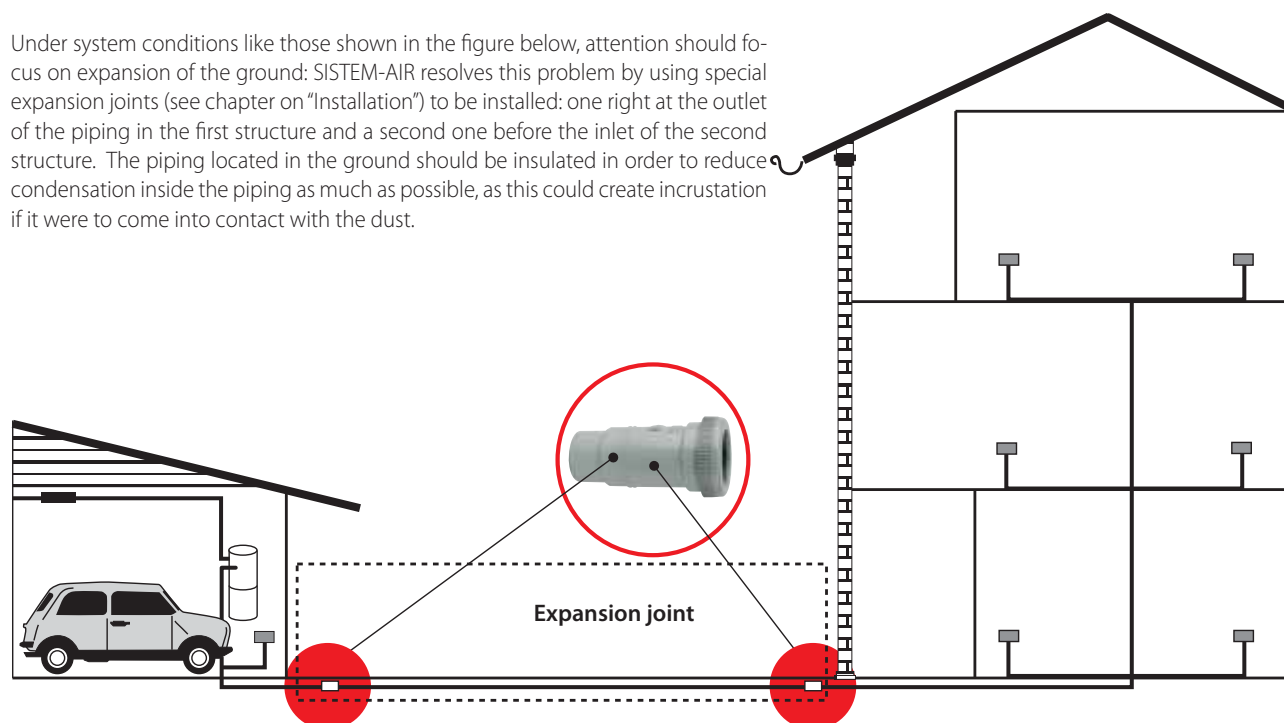
Special situations

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 done 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 few times as possible on the same system, as it would produce a considerable strain on the speed of the vacuumed air.



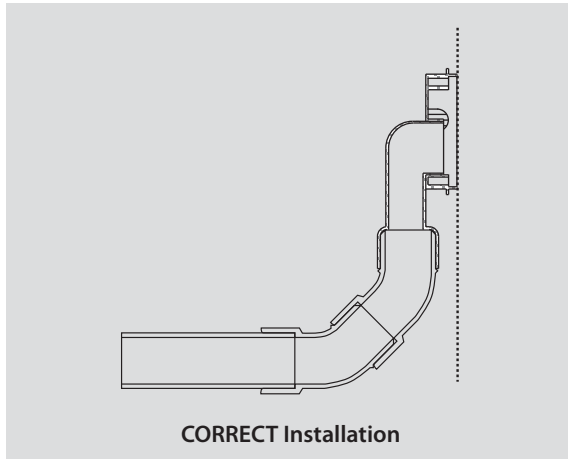
Expansion joint

Under system conditions like those shown in the figure below, attention should focus on expansion of the ground: SISTEM-AIR resolves this problem by using special expansion joints (see chapter on "Installation") to be installed: one right at the outlet of the piping in the first structure and a second one before the inlet of the second structure. The piping located in the ground should be insulated in order to reduce condensation inside the piping as much as possible, as this could create incrustation if it were to come into contact with the dust.

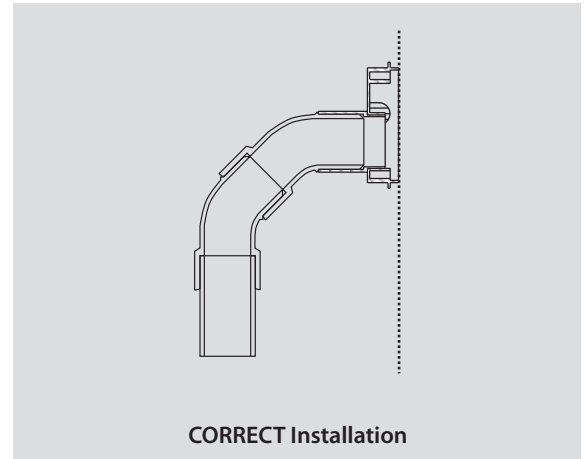


Standard mounting plate with elbow connector

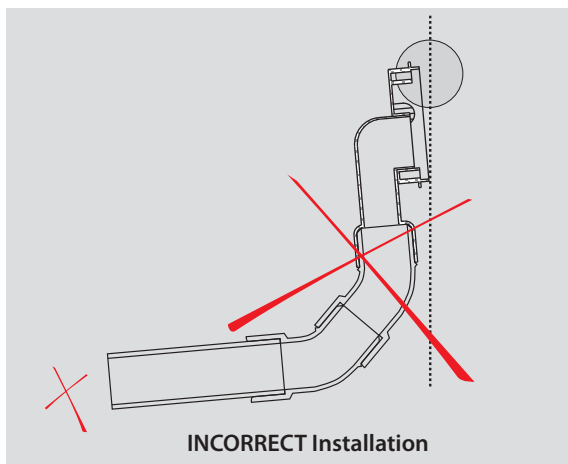
The standard mounting plate with elbow connector, only 7 cm thick, can be installed in any kind of wall. The mounting plate is fitted with an elbow connector that rotates at 360° in order to position itself to the connector, wherever it may be. **IMPORTANT:** the mounting plate should always be installed flat into the wall.

**Standard mounting plate with straight connector**

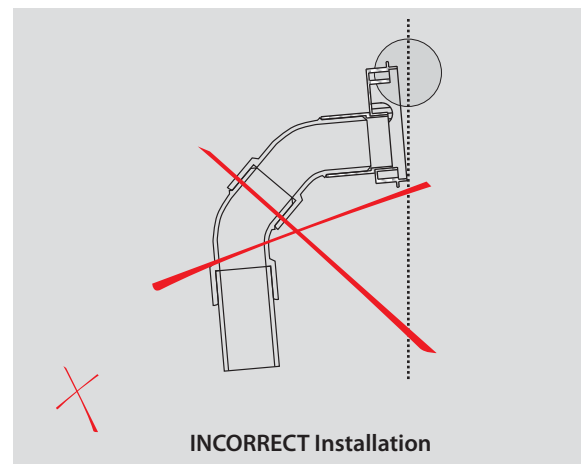
The standard mounting plate with straight connector should be regarded as a suitable part for all those unusual jobs (restoration, false walls, partitions etc.). **IMPORTANT:** the mounting plate should always be installed flat into the wall.

**Fitting the mounting plate with elbow connector**

Fitting the mounting plate with elbow connector to the wall or outside requires maximum precision so that when the inlet valve is fitted, the holding elements adhere perfectly. It is especially important the mounting plate box is completely flat into the wall.

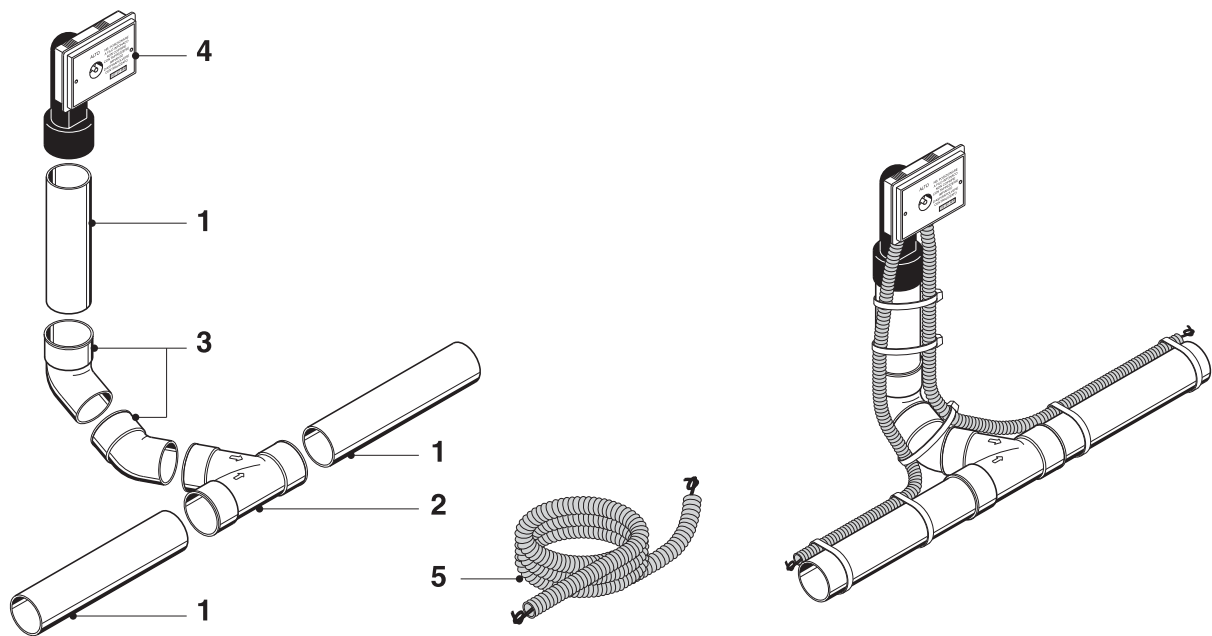
**Fitting the mounting plate with straight connector**

Fitting the mounting plate with straight connector to the wall or outside requires maximum precision so that when the inlet valve is fitted, the holding elements adhere perfectly. It is especially important the mounting plate box is completely flat into the wall.



EXAMPLE OF BASE CONNECTIONS

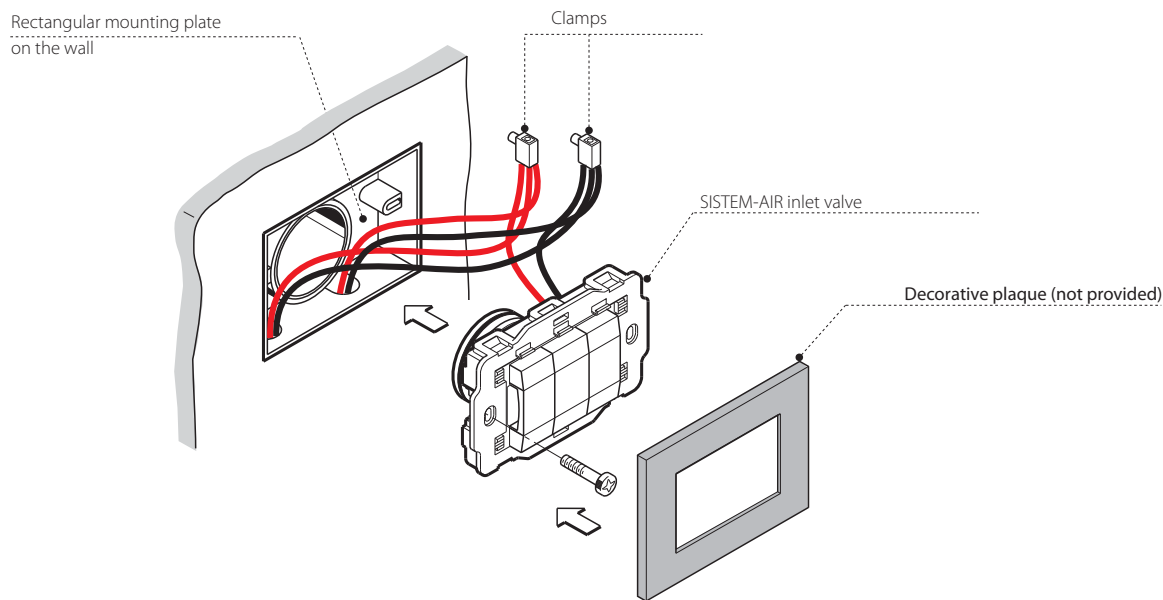
Example of base connection to install the inlet valve.



	ARTICLE	PRODUCT DESCRIPTION
1	1850.0	Ø 50 mm thick PVC pipe 2,2
2	4050.1	Ø 50 mm 45° F.F. PVC derivation
3	3050.0	Ø 50 mm 45° MF PVC elbow connector
4	1450.0	Standard mounting plate, straight connector with cover
5	9016.7	2x1 25 m pre-wired conduit
5	9016.0	2x1 50 m pre-wired conduit
5	9016.1	2x1 100 m pre-wired conduit

EXAMPLE OF CONNECTION TO INLET VALVES

Example of connection to inlet valves.



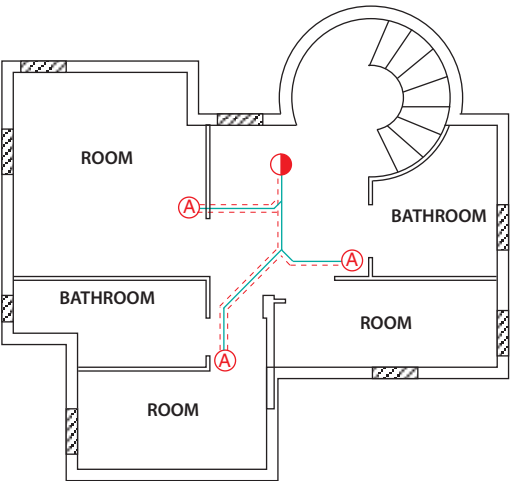


EXAMPLE OF DOMESTIC SYSTEM ON THREE FLOORS

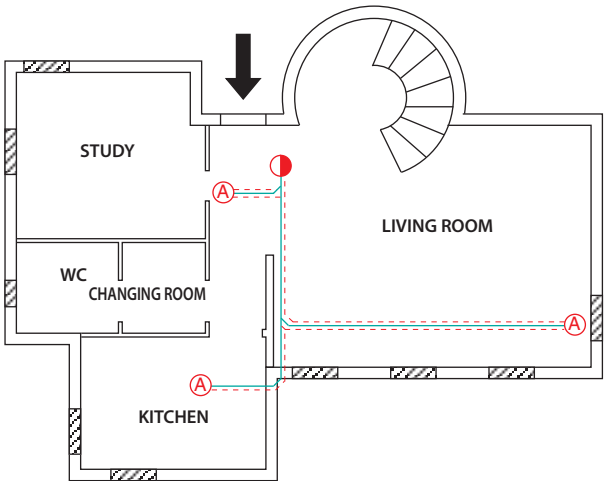
Example of sized system to be used by only one operator at the most on each floor (NB: all the systems in the domestic range can only have one operator at a time).

The system in question is created in a domestic structure on three floors. The piping will be exclusively Ø 50 mm both as regards the upright pipe and the distribution on each floor. The position of the vacuum openings should take into consideration the fact that the hose used for cleaning is 7 metres: it is therefore important when positioning the vacuum openings to consider the problems that furniture might cause and not forget to add balconies, terraces and other surface areas. The central vacuum units should be selected according to the surface area to be cleaned, in order to ensure long life and the best performance over time.

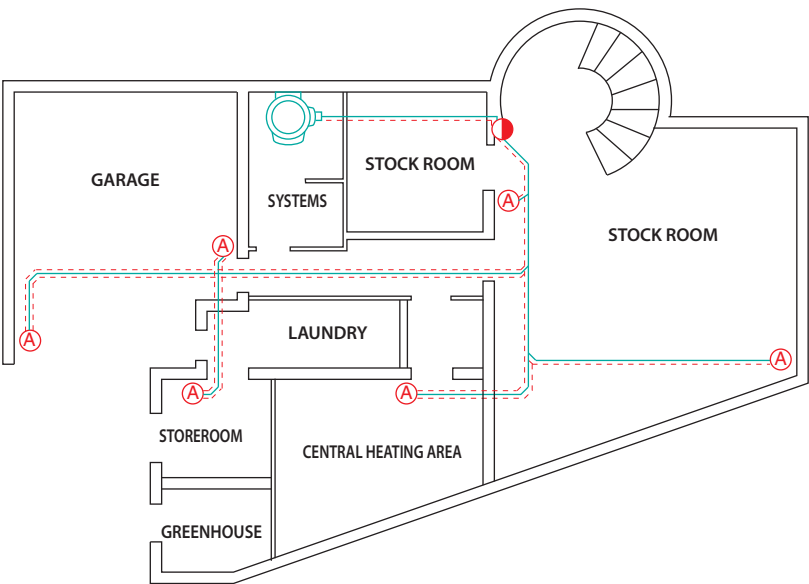
PLAN OF FIRST FLOOR



PLAN OF GROUND FLOOR



PLAN OF BASEMENT FLOOR



DESCRIPTION

- Ø 50 mm PVC piping
- - - Micro switch line
- (A) Inlet valve
- Upright pipe
- ⊕ Central vacuum unit

INSTALLATION

**Installation area**

The SISTEM-AIR installation material in PVC is suitable for all kinds of central vacuum systems and can be divided into four product categories:

- Grey Ø 50 mm, 2.2 mm thick . Ø 63 - Ø 80 - Ø 100mm, 3.0 mm thick piping
- Grey Ø 50 mm, 2.2 mm thick. Ø 63 - Ø 80 - Ø 100mm, 3.0 mm thick connectors
- Grey conduit with 2, 1 mm² conductors inserted.
- Special self-adhesive glue to join the piping to the connectors.

Particular characteristics of the product

Quality, sturdy system products that meet with the strictest safety and quality homologations and certifications that satisfy even the most difficult system requirements.

- PVC piping with static load reduced to a minimum.
- UNI approved grey piping.
- Rigid piping with connectors that have a wide radius of curving.
- Connectors with angular reference notches for a correct coupling between piping and connectors.
- PVC plastic material that can be welded cold using a special glue.
- Fire resistant PVC material in compliance with M1 resistance cat. and IEC regulations.
- Grey Ø 16 mm pre-wired conduit with CE, IMQ labelling, suitable for ordinary and unusual environments where you need to use non toxic products.
- Certification from the Italian Institute of Plastics in compliance with UNI regulations.

Main characteristics

Rigid piping with connectors that have a wide radius of curving. PVC plastic material that can be welded cold using a special glue. Certification of the Italian Institute of Plastics in compliance with UNI regulations. Fire resistant PVC material in compliance with CEI 23-29 regulations.

Criteria for choosing the piping network

The PVC piping and connectors are suitable for all kinds of centralised vacuum system installations. Aluminium piping can be used where there are particular mechanical resistance problems, or, when installing visible piping.

Technical note

When it is necessary to cross an external section with a rigid pipeline it is opportune to prepare a suitable isolation with the addition of expansion joints (art. 5050.0).

Warning

The installation material, such as pipes and connectors, has been specifically designed and created for central vacuuming. Using the specific installation material allows you to create systems with a maximum guarantee on performance and the assurance that it will not block. Any other material would jeopardise the system's warranty and could create blocking in the piping network.

SISTEM CASE


Sistem Case is a new case to build in Sistem Air central units, especially developed to save space and to aesthetically integrate the vacuum unit in the wall. It is realized in strong zinc-coated steel and thanks to its telescopic structure it fits any MINI and MEDIA Sistem Air vacuum unit. With a single code you can match different installation needs. The cover, made of plastic material in aluminium colour, has a futuristic and at the same time simple design. It is available in two different versions, depending on the kind of central unit to be installed. Sistem Case is only 23 cm deep and allows the connection to the piping system from the left or from the right.



BUILD IN CASE FOR TA/TE MINI AND MEDIA UNITS

	ARTICLE	PRODUCT DESCRIPTION	Packaging (pieces)
	7100.0	Universal case to build in units TA/TE MINI e MEDIA	1

CASE COVER

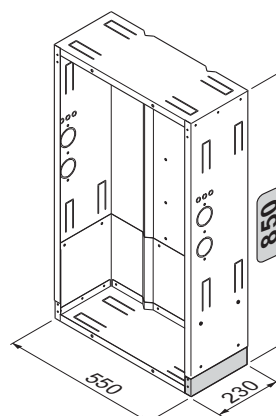
	ARTICLE	PRODUCT DESCRIPTION	Packaging (pieces)
	7100.1	Case cover for units MINI	1
	7100.2	Case cover for units MEDIA	1

EXAMPLE OF POSITIONING

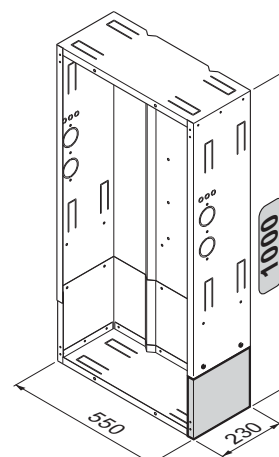
DIMENSIONS



Solution for the installation
of units TA/TE Mini



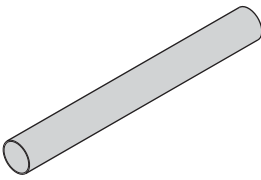
Solution for the installation
of units TE/TE Media

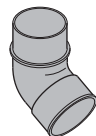
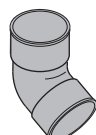


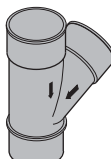
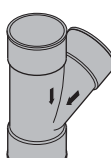
INSTALLATION MATERIAL

Rigid PVC piping and connectors especially designed for central vacuum systems with a view to create a perfect fit between the piping and connectors; only 45° connectors are provided to allow for the best air flow possible without creating the possibility of the system blocking.

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 the special SISTEM-AIR glue in abundance, spreading it on the male and never on the female connector.

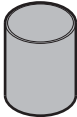
PVC PIPING			
	ARTICLE	DESCRIPTION	PACKING m
	1850.0	Ø 50 2.2 mm thick PVC PIPE (2 m bars)	20
	1863.0	Ø 63 3 mm thick PVC PIPE (2 m bars)	25
	1880.0	Ø 80 3 mm thick PVC PIPE (2 m bars)	10
	1810.0	Ø 100 3 mm thick PVC PIPE (2 m bars)	10

PVC 45° ELBOW			
	ARTICLE	DESCRIPTION	PACKING pcs.
	3050.0	Ø 50 45° male / female PVC elbow	60
	3063.0	Ø 63 45° male / female PVC elbow	30
	3080.0	Ø 80 45° male / female PVC elbow	1
	3010.0	Ø 100 45° male / female PVC elbow	1
	3050.1	Ø 50 45° female / female PVC elbow	60
	3063.1	Ø 63 45° female / female PVC elbow	30
	3080.1	Ø 80 45° female / female PVC elbow	1
	3010.1	Ø 100 45° female / female PVC elbow	1

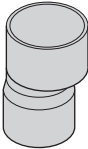
PVC 45° DERIVATION			
	ARTICLE	DESCRIPTION	PACKING pcs.
	4050.0	Ø 50 45° male / female / female PVC DERIVATION	20
	4063.0	Ø 63 45° male / female / female PVC DERIVATION	15
	4080.0	Ø 80 45° male / female / female PVC DERIVATION	1
	4010.0	Ø 100 45° male / female / female PVC DERIVATION	1
	4050.1	Ø 50 45° female / female / female PVC DERIVATION	20
	4063.1	Ø 63 45° female / female / female PVC DERIVATION	15
	4080.1	Ø 80 45° female / female / female PVC DERIVATION	1
	4010.1	Ø 100 45° female / female / female PVC DERIVATION	1



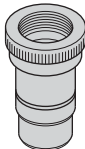
PVC COUPLING FOR LINEAR JUNCTIONS

	ARTICLE	DESCRIPTION	PACKING pcs.
	1150.1	ø 50 PVC stop coupling	100
	1163.1	ø 63 PVC stop coupling	40
	1180.1	ø 80 PVC stop coupling	1
	1110.1	ø 100 PVC stop coupling	1


PVC PIPE ADAPTER

	ARTICLE	DESCRIPTION	PACKING pcs.
	6063.3	ø 50/63 hose adaptor	1
	8080.3	ø 63/80 hose adaptor	1
	1010.3	ø 80/100 hose adaptor	1

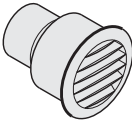
PVC EXPANSION JOINTS

	ARTICLE	DESCRIPTION	PACKING pcs.
	5050.0	ø 50 expansion joint	1
	5050.2	ø 63 expansion joint	1

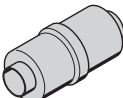
PVC SCREW CAPS FOR INSPECTING

	ARTICLE	DESCRIPTION	PACKING pcs.
	5050.1	ø 50 PVC inspection screw cap	1
	6063.1	ø 63 PVC inspection screw cap	1
	8080.1	ø 80 PVC inspection screw cap	1
	1010.1	ø 100 PVC inspection screw cap	1

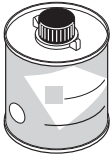
AIR VENT GRATE

	ARTICLE	DESCRIPTION	PACKING pcs.
	5050.4	ø 50 exhaust vent	1
	5063.4	ø 63 exhaust vent	1

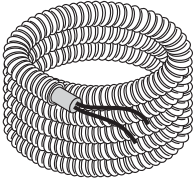
AIR VENT SILENCER

	ARTICLE	DESCRIPTION	PACKING pcs.
	110001	standard ø 50 / 2" PVC silencer	1

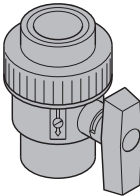
SPECIAL GLUE FOR PVC PIPES

	ARTICLE	DESCRIPTION	PACKING pcs.
	9225.1	250 g of special glue with brush	5
	9225.2	500 g of special glue with brush	5
	9500.0	500 g of special glue without brush	4

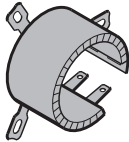
PRE-WIRED CONDUIT 2 X 1 MM²

	ARTICLE	DESCRIPTION	PACKING pcs.
	9016.7	2x1 mm ² (25 m) pre-wired conduit	1
	9016.0	2x1 mm ² (50 m) pre-wired conduit	1
	9016.1	2x1 mm ² (100 m) pre-wired conduit	1


BALL VALVE FOR MANUAL DIVISION

	ARTICLE	DESCRIPTION	PACKING pcs.
	2050.0	ø 50 ball valve for manual division	1
	2050.1	ø 63 ball valve for manual division	1
	2050.2	ø 80 ball valve for manual division	1
	2050.3	ø 100 ball valve for manual division	1

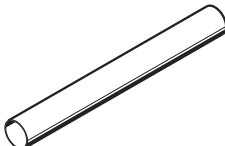
Fire stop coupling

	ARTICLE	DESCRIPTION	PACKING pcs.
	1150.3	ø 50 fire stop coupling	1
	1163.2	ø 63 fire stop coupling	1
	1180.2	ø 80 fire stop coupling	1

Screw cap for testing installation

	ARTICLE	DESCRIPTION	PACKING pcs.
	5050.5	Screw cap for testing domestic system installations	5

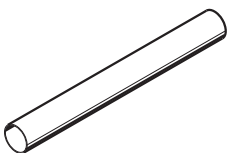
ALLUMINIUM PIPE

	ARTICLE	DESCRIPTION	PACKING pcs.
	1850.0A	Alluminium pipe alloy 6060; Ø 50 - 2,2 mm Stärke (3 m Bars)	9
	1863.0A	Alluminium pipe alloy 6060; Ø 63 - 2,2 mm Stärke (3 m Bars)	9


ZINC-COATED STEEL INSTALLATION MATERIAL

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

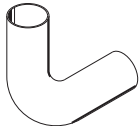
**STEEL PIPE**

	ARTICLE	DESCRIPTION	PACKING pcs.
	1850.0F	Steel pipe Ø 50 (2 m bars)	1
	1863.0F	Steel pipe Ø 60 (2 m bars)	1

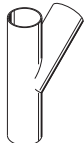
45° ELBOW PIPE

	ARTICLE	DESCRIPTION	PACKING pcs.
	3050.1F	Elbow pipe 45° Male /Male Ø 50	3
	3063.1F	Elbow pipe 45° Male /Male Ø 60	3

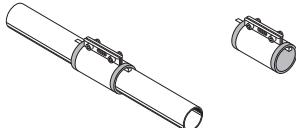
90° ELBOW PIPE

	ARTICLE	DESCRIPTION	PACKING pcs.
	3050.0F	Elbow pipe 90° Male /Male Ø 50	5
	3063.0F	Elbow pipe 90° Male /Male Ø 60	5


45° DERIVATION PIPE

	ARTICLE	DESCRIPTION	PACKING pcs.
	4050.0F	Derivation pipe 45° Male /Male / Male Ø 50	2
	4063.0F	Derivation pipe 45° Male /Male / Male Ø 60	2

JUNCTION GROUPS

	ARTICLE	DESCRIPTION	PACKING pcs.
	1150.1F	Junction group steel pipe Ø 50	5
	1163.1F	Junction group steel pipe Ø 60	5

STEEL ADAPTER

	ARTICLE	DESCRIPTION	PACKING pcs.
	6050.0F	Steel adapter Ø 50/60	1



INSTALLATION KIT

The installation kit includes everything needed to fit a central vacuum system. The installation kits can be combined to obtain the number of sockets you wish to install. (e.g.: an 8 socket system can be created by combining 1 kit with 3 sockets + 1 kit with 5 sockets; alternatively, 2 4 socket kits can be used). The list of material contained in the kit can be checked in the tables below.

N.B. The installation kit is made with a view to simplifying the purchase of material for fitting the system, as much as possible. For systems in buildings with standard layout, it is possible to have all the material available with the certainty of being able to complete the piping network without further additional installation material.

Warning

Only the installation material is included in the kit because the inlet valves are part of the system and should therefore be selected from the right section of the catalogue.



Installation kit with rectangular mounting plates (parts no.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	No. of sockets	EC mounting plate Pieces	PVC pipe (m)	MF elbow Pieces	FF elbow Pieces	FF derivation Pieces	Coupling Pieces	Vent grate Pieces	Conduit (m)	Special glue Pieces
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



Installation kit with square mounting plates (parts no.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	No. of sockets	EC mounting plate Pieces	PVC pipe (m)	MF elbow Pieces	FF elbow Pieces	FF derivation Pieces	Coupling Pieces	Vent grate Pieces	Conduit (m)	Special glue Pieces
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



TECHNICAL CHARACTERISTICS OF THE INSTALLATION MATERIAL

PIPING

Ø 50x2.2 mm, Ø 63x3 mm, Ø 80 x3 mm, Ø 100x3 mm
PVC piping (non plastic polyvinyl chloride, PVC-U) for air suction.
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

Compliance with legislation:

Ø 50 pipes – Specification based on former 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 piping with circular section is for use on centralised vacuum systems and for discharge that is not under pressure or compressed ventilation.

Ideal for glued joints.

CONNECTORS

PVC connectors for air suction.

The connectors have a calibrated coupling diameter to obtain the best coupling with the piping.

Available in numerous forms and connections, in Ø 50, Ø 63, Ø 80, Ø 100 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.

ALUMINIUM PIPES

Pipes' thickness: Ø 50x1,5 mm, Ø 63x1,5 mm.

Material: aluminium UNI EN 573 - 3

EN AW - 6060 (ALMGSI) heat treated and aged.

Chemical characteristics: UNI EN 573 - 3

Mechanical characteristics: UNI EN 755 - 2

PRE-WIRED CONDUIT

Pre-wired, protective, folding insulating conduit.

Grey with Ø 16 mm diameter.

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 later changes.

Pipe with C1 base classification. 3422, corrugated, DOES NOT propagate flames.

Further C1 classification. 32-0-010.

Product has no halogen as required by law:

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)

Blow 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 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 to expand 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.

Gluings 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.

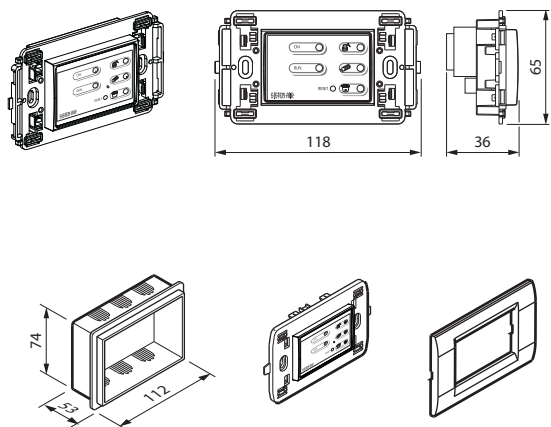
Ideal for longitudinal junctions on hard PVC pipes and the assembling of PVC pipes and connectors.

ELECTRONIC CONTROL SYSTEMS

Remote control electronic systems can be used to control the maintenance of the central unit on Domestic, Professional and Industrial series. The remote control systems for the Tecno series, is built with particular emphasis in design. It allows you to check out the programmed maintenance required, so that the central unit works perfectly. The ease with which it is installed allows you to use it on all existing systems in the central vacuum sector, and the pre-set programming allows you to use it immediately. In order to personalise the maintenance cycles, it is possible to intervene on the programming modality foreseen, following the instructions found in the user's manual. Tecno Control comes in three versions:

- "Control-Table", for use in the reception of a hotel or public building
- "Control-Wall", for professional use with wall installation

The connection and installation are extremely easy as this is done by connecting up to the main electric power network and any micro line point of the vacuum system. You can programme the dust container emptying cycles, filter cleaning and motor maintenance cycles.



Supply: Wall box, Model 503 – Vimar IDEA 3 plaque Bianca modules

STANDARD REMOTE CONTROL WALL PANEL (COMBINABLE WITH ALL CENTRAL UNIT MODELS ON THE MARKET)			
ARTICLE	COLOUR	MATERIAL	PACKING (pcs)
4200.6	WHITE AND BLACK	PLASTIC	1
WALL REMOTE CONTROL PANEL WITH BOX AND PLAQUE			
ARTICLE	COLOUR	MATERIAL	PACKING (pcs)
4200.7	White	KUNSTSTOFF	1

ELECTRIC CONNECTION

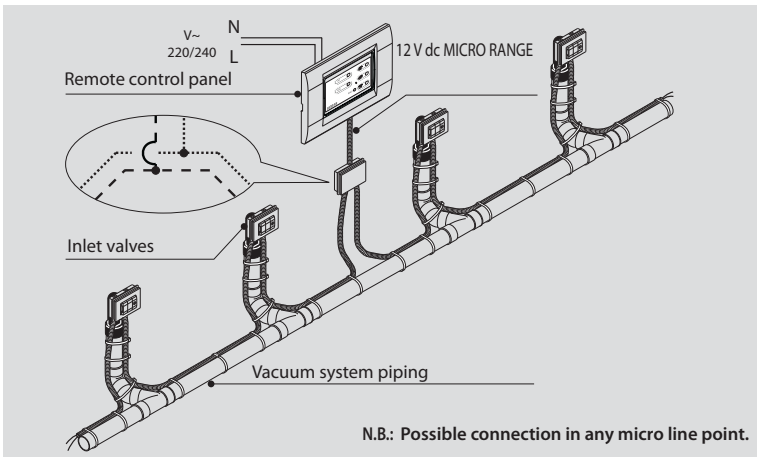




TABLE REMOTE CONTROL PANEL

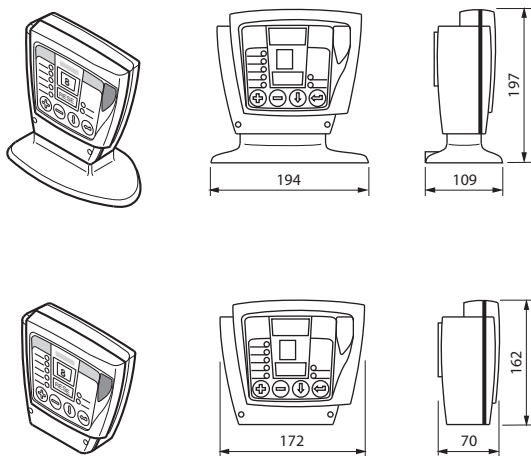
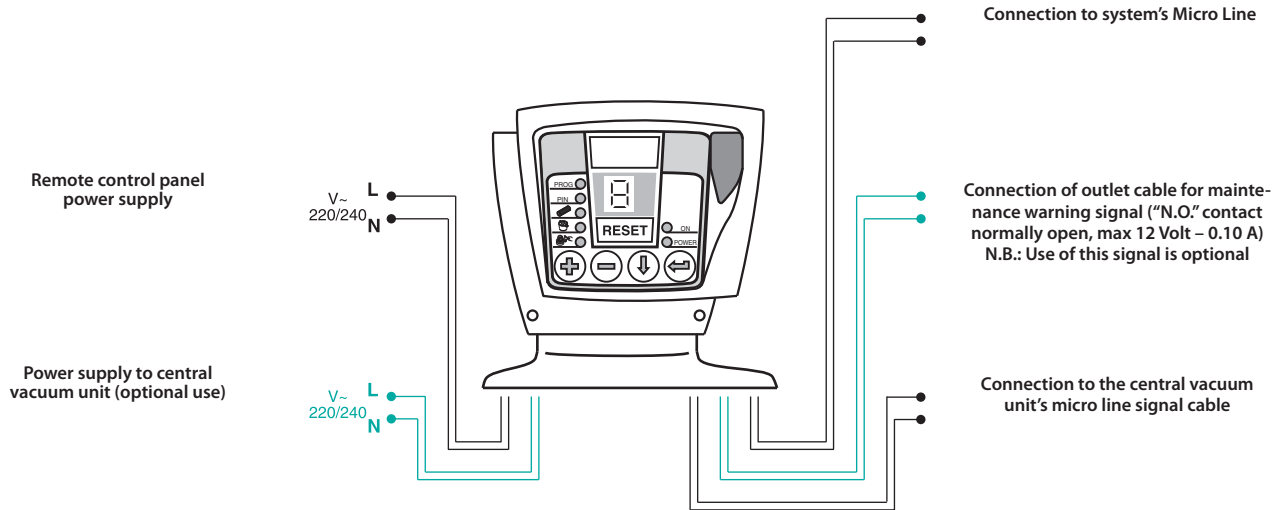


TABLE REMOTE CONTROL PANEL			
ARTICLE	COLOUR	MATERIAL	PACKING (pcs)
4200.2	ALUMINIUM	PLASTIC	1
4200.3	ANTHRACITE	PLASTIC	1

WALL REMOTE CONTROL PANEL			
ARTICLE	COLOUR	MATERIAL	PACKING (pcs)
4200.0	ANTHRACITE	PLASTIC	1



ELECTRIC CONNECTION





safety
reliability
aesthetics



Generation





MOUNTING PLATES AND INLET VALVES

Installation area

The SISTEM-AIR inlet valves meet the most wide ranging system and aesthetic needs, from the domestic to industrial sector.

Domestic environment

They stand out for their high standard of quality and because they can be matched with most decorative plaques on the market. There is a vast range of sockets that can be completed with the plaque from the most common domestic range; sockets for the skirting board to be attached to the skirting board on the kitchen unit are available; in the event of systems with external pipes (garages, attics, service rooms, etc...) you can use the external socket (parts no. 1459.6). Furthermore, you can choose between standard or electrified flexible hoses.



Industrial / business environment

They meet the needs for application both internally and externally. Frequently used industrial sockets are available with classic installation in the wall or on the floor (the latter can be installed in aluminium mounting plates).

Criteria for selecting the sockets

The inlet valves for domestic use that require finishing with aesthetic plaque have to be selected in accordance with the domestic range of electric sockets used for home systems, in order to use the same kind of decorative plaque. N.B. Check availability of the finishing plaque in the domestic range they refer to. They should be purchased from authorised outlets.

N.B. The finishing plate are not supplied by Sistem Air.

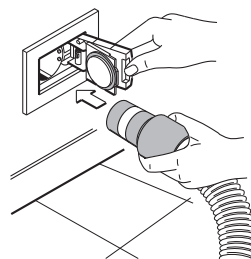
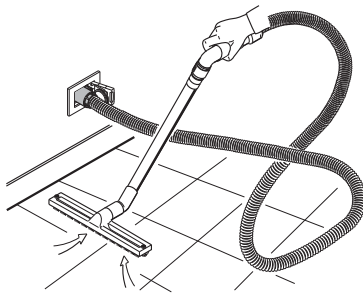


Warning

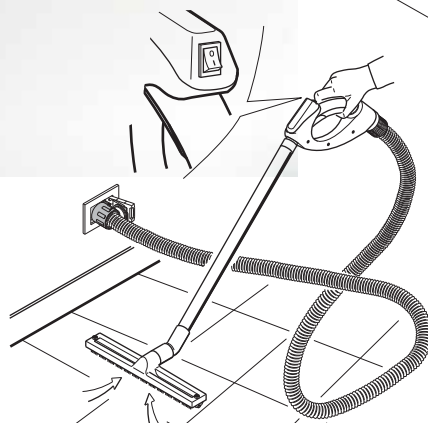
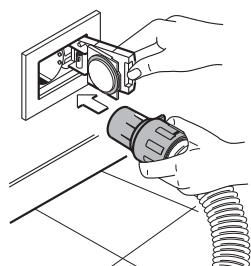
The square sockets already come with aesthetic finishing in two different colours and need the use of an appropriate cleaning accessory kit (see section on cleaning accessories).

**USAGE OF STANDARD FLEXIBLE HOSE**

The Sistem-Air Generation inlet valves are fitted with a micro switch, which activates when the hose has been inserted the central vacuum unit thus allowing you to clean. The central vacuum unit will be deactivated when the flexible hose has been extracted.

**USAGE OF ELECTRIC FLEXIBLE HOSE**

The Sistem-Air Generation inlet valves are adequate for the use of flexible electric hoses. The activation/deactivation of the central vacuum is effected by the use of the micro switch ON/OFF from the handle of the flexible hose.



MOUNTING PLATES FOR INLET VALVES PVC PIPING

The standard rectangular mounting plates with elbow connector are suitable for all the inlet valves that accept the decorative plaques, while the square mounting plates are suitable for the inlet valves already complete with aesthetic finishing in two different colours. Each model has set notches for the pre-wired conduit.

STANDARD RECTANGULAR MOUNTING PLATE			
ARTICLE	DESCRIPTION		Packing pieces
1450.0	STANDARD MOUNTING PLATE,elbow connector with cover		10

STANDARD RECTANGULAR MOUNTING PLATE			
ARTICLE	DESCRIPTION		Packing pieces
1450.1	STANDARD RECTANGULAR mounting plate		10

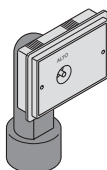
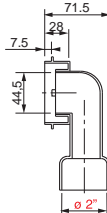
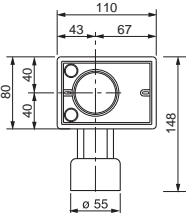
STANDARD SQUARE MOUNTING PLATE			
ARTICLE	DESCRIPTION		Packing pieces
1450.4B	STANDARD MOUNTING PLATE, elbow connector with cover		10

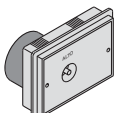
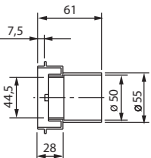
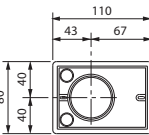
STANDARD SQUARE MOUNTING PLATE			
ARTICLE	DESCRIPTION		Packing pieces
1450.5B	STANDARD MOUNTING PLATE, straight connector with cover		10

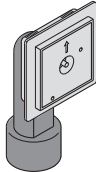
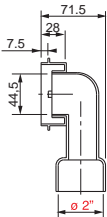
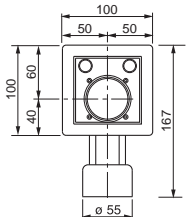
MOUNTING PLATES FOR INLET VALVES (2" Ø PIPING)

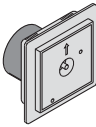
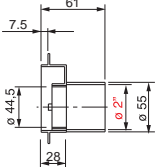
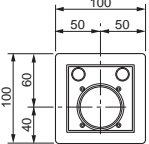
The standard rectangular mounting plates with elbow connector are suitable for all the inlet valves that accept the decorative plaques, while the square mounting plates are suitable for the inlet valves already complete with aesthetic finishing in two different colours. Each model has set notches for the pre-wired conduit.

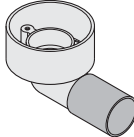
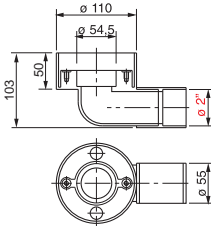
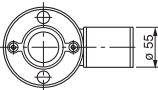
N.B.: Mounting plates suitable for use with Ø 2" piping.


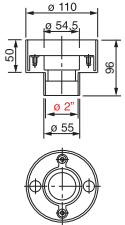

			STANDARD RECTANGULAR MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.0E	STANDARD MOUNTING PLATE, elbow connector with cover	10

			STANDARD RECTANGULAR MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.1E	STANDARD MOUNTING PLATE, straight connector with cover	10

			STANDARD SQUARE MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.4E	STANDARD MOUNTING PLATE, elbow connector with cover	10

			STANDARD SQUARE MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.5E	STANDARD MOUNTING PLATE, straight connector with cover	10

			FLOOR MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.2E	MOUNTING PLATE, elbow connector	1

			FLOOR MOUNTING PLATE		
			ARTICLE	DESCRIPTION	Packing pieces
			1450.3E	MOUNTING PLATE, straight connector	1

FLOOR MOUNTING PLATE		
ARTICLE	DESCRIPTION	Packing pieces
1450.2	BODENEINBAUDOSE MOUNTING PLATE, elbow connector	1

FLOOR MOUNTING PLATE		
ARTICLE	DESCRIPTION	Packing pieces
1450.3	MOUNTING PLATE, straight connector	1

ROUND MOUNTING PLATES

The round mounting plates are suitable for all inlet valves, which has been projected for the installation on plasterboards concerning the thickness of 12 mm or 24 mm. Each model has set notches for the pre-wired conduit.

N.B. Mounting plates suitable for use with Ø 50 pipes.

ROUND MOUNTING PLATES		
ARTICLE	DESCRIPTION	Packing pieces
1450.13	ROUND MOUNTING PLATE, elbow connector	10

ROUND MOUNTING PLATES		
ARTICLE	DESCRIPTION	Packing pieces
1450.12	ROUND MOUNTING PLATE, straight connector	10



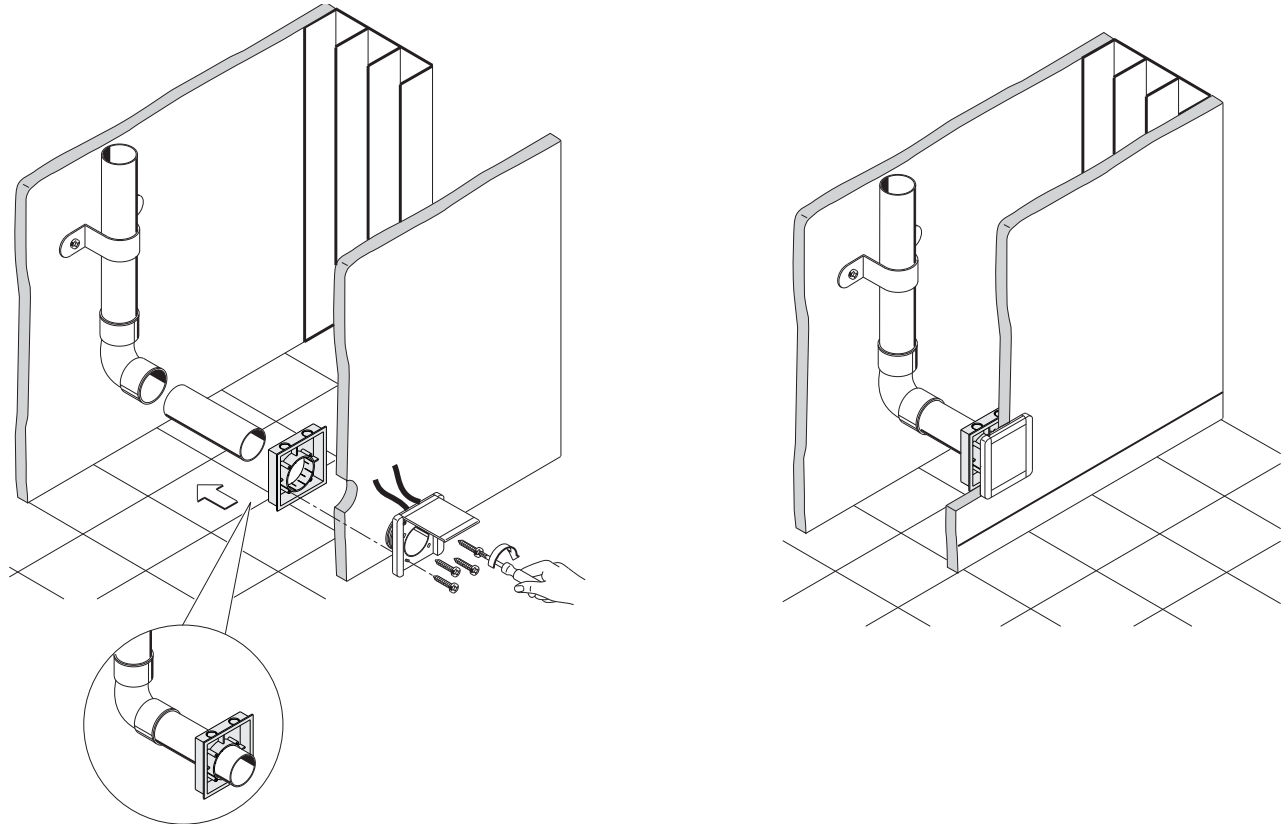
INSTALLATION KIT FOR PLASTERBOARD WITH INLET VALVE

The installation kit for plasterboard allows an easy and quick installation of Sistem Air square inlets in any wall in plasterboard. The adapter allows the installation of Sistem Air mounting plates, if you prefer not to use the installation kit.

	INSTALLATION KIT FOR PLASTERBOARD			
	ARTICLE	DESCRIPTION	COLOUR	Packing pc.
	1464.6B	INSTALLATION KIT FOR PLASTERBOARD WITH INLET VALVE	White	1
	1464.6A		Black	1
	1464.6G		Silver	1

	ADAPTER FOR SQUARE MOUNTING PLATE		
	ARTICLE	DESCRIPTION	Packing pc.
	1450.18	ADAPTER FOR SQUARE MOUNTING PLATE	1

SCHEMATIC REPRESENTATION


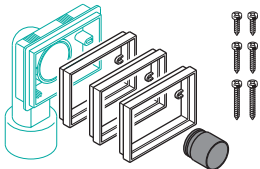
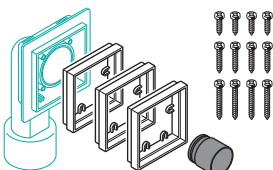


EXTENSION KITS FOR MOUNTING PLATE AND INLET VALVE

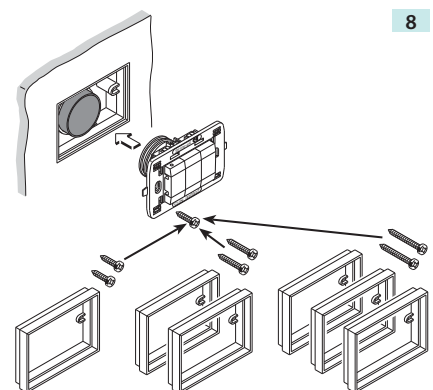
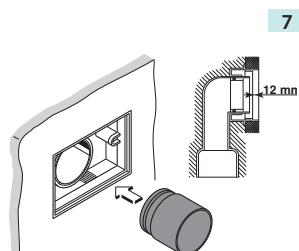
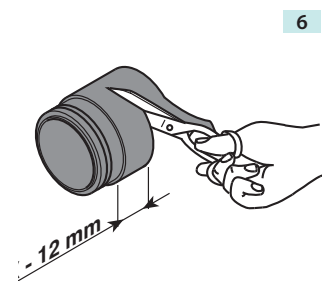
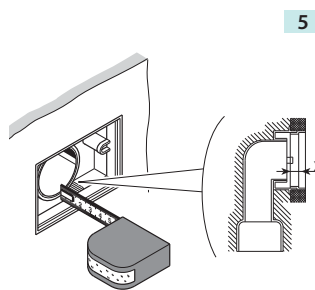
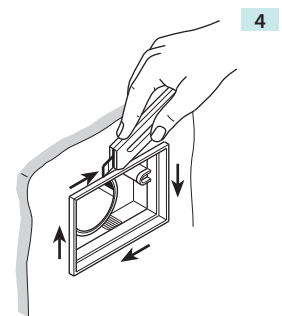
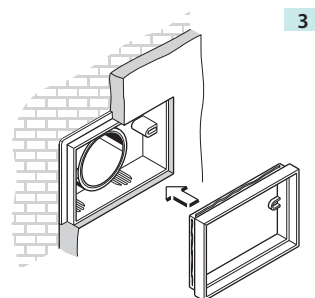
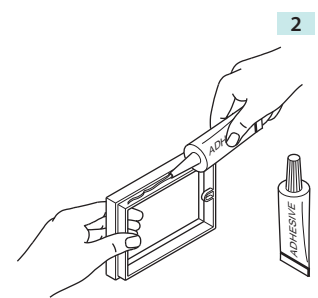
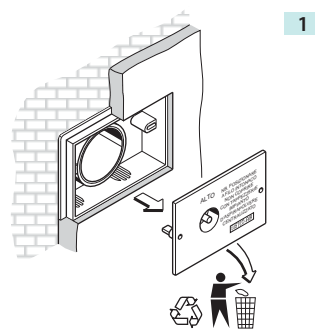
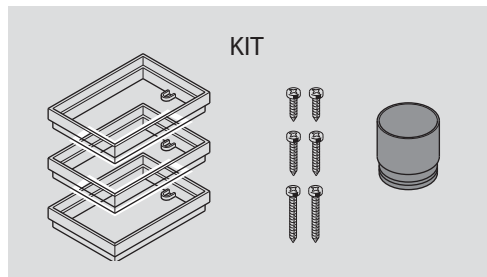
The mounting plate extension kit represents a real innovation in the sector. Thanks to this innovation, it is possible to extend the wall box by multiples of a centimetre without size limitations: the flat inlayed box ensures simple installation and a perfect hold of the inlet valve.

N.B. Each extension kit is fitted with 3, 1cm frames, a 3cm inlet valve extension and a pack of screws accordingly. Kits can be added until you have the measurement required.



3 CM EXTENSION			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1457.1	Extension for domestic inlet valves	5
3 CM EXTENSION KIT			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1450.8	Extension kit for rectangular mounting plate	10 kit
3 CM EXTENSION KIT			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1450.9	Extension kit for square mounting plate	10 kit

EXPLANATORY DRAWING



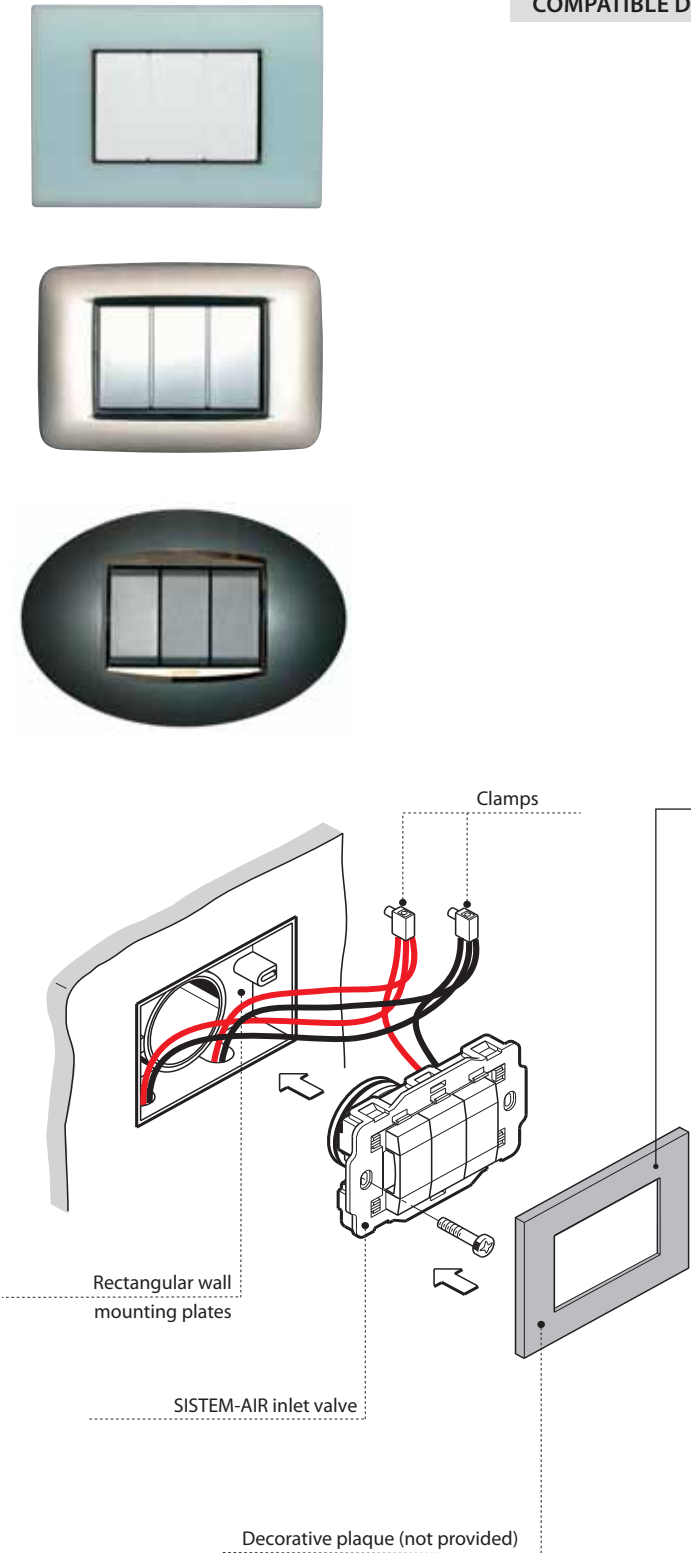
INLET VALVES FOR THE DOMESTIC RANGE

The SISTEM-AIR inlet valves meet all requirements and aesthetic needs: all the inlet valves for rectangular boxes have to be accompanied by a decorative plaque for the domestic range that they refer to, while the inlet valves for square boxes already come with an aesthetic finishing in two different colours.

N.B. The inlet valves for the rectangular box are universal and permit to activate/deactivate the central vacuum unit by inserting the cleaning hose or by using the micro switch from the handle of the flexible hose.








The standard inlet valves for square mounting plates come in just one model.







COMPATIBLE DECORATIVE PLAQUE











	B. Ticino Matix
	B. Ticino Axolute Nero
	B. Ticino Axolute Silver
	B. Ticino Luna bianca
	B. Ticino Living International
	B. Ticino Light
	B. Ticino Light Tech
	Vimar Idea Nera/Rondò
	Vimar Idea Bianca Rondò
	Vimar Plana Silver
	Vimar Plana
	Vimar Next
	Vimar Eikon
	Ave Noir
	Ave Blanc
	Ave Banquise Bianca
	Ave Ral
	Gewiss Playbus
	Gewiss Chorus bianca
	Gewiss Chorus nera
	Gewiss Chorus titanio
	ABB Elos
	ABB Chiara
	Legrand Vela Bianca
	Legrand Vela Nera

COMPATIBLE DECORATIVE PLAQUE

	B TICINO SERIES OF GENERATION INLET VALVES		
	ARTICLE	DESCRIPTION	PACKING PIECES
	1561.0	LIVING INTERNATIONAL GENERATION INLET VALVE	20
	1562.0	LIVING LIGHT GENERATION INLET VALVE	20
	1565.0	LIGHT TECH GENERATION INLET VALVE	20
	1566.0	AXOLUTE NERA GENERATION INLET VALVE	20
	1567.0	AXOLUTE SILVER GENERATION INLET VALVE	20
	1568.0	LUNA BIANCA GENERATION INLET VALVE	20
	1569.0	MATIX GENERATION INLET VALVE	20

	VIMAR SERIES OF GENERATION INLET VALVES		
	ARTICLE	DESCRIPTION	PACKING PIECES
	1553.0	VIMAR IDEA BLACK/RONDO' GENERATION INLET VALVE	20
	1553.2	VIMAR IDEA WHITE/RONDO' GENERATION INLET VALVE	20
	1553.4	VIMAR IDEA PLANA GENERATION INLET VALVE	20
	1553.3	VIMAR IDEA PLANA GENERATION PLANA SILVER	20
	1558.0	VIMAR EIKON GENERATION INLET VALVE	20
	1553.5	VIMAR NEXT GENERATION INLET VALVE	20

GEWISS SERIES OF GENERATION INLET VALVES			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1557.0	GEWISS PLAYBUS GENERATION INLET VALVE	20
	1557.1	GEWISS CHORUS WHITE GENERATION INLET VALVE	20
	1557.2	GEWISS CHORUS BLACK GENERATION INLET VALVE	20
	1557.3	GEWISS CHORUS TITANIUM GENERATION INLET VALVE	20

AVE SERIES OF GENERATION INLET VALVES			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1552.0	AVE NOIR GENERATION INLET VALVE	1
	1563.0	AVE BLANC GENERATION INLET VALVE	1
	1563.1	AVE RAL GENERATION INLET VALVE	1
	1563.2	AVE BANQUISE WHITE GENERATION INLET VALVE	1





LEGRAND SERIES OF GENERATION INLET VALVES			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1551.4	LEGRAND VELA BLACK GENERATION INLET VALVE	1
	1551.3	LEGRAND VELA WHITE GENERATION INLET VALVE	1

ABB SERIES OF GENERATION INLET VALVES			
	ARTICLE	DESCRIPTION	PACKING PIECES
	1541.0	ABB ELOS GENERATION INLET VALVE	1
	1542.0	ABB CHIARA GENERATION INLET VALVE	1

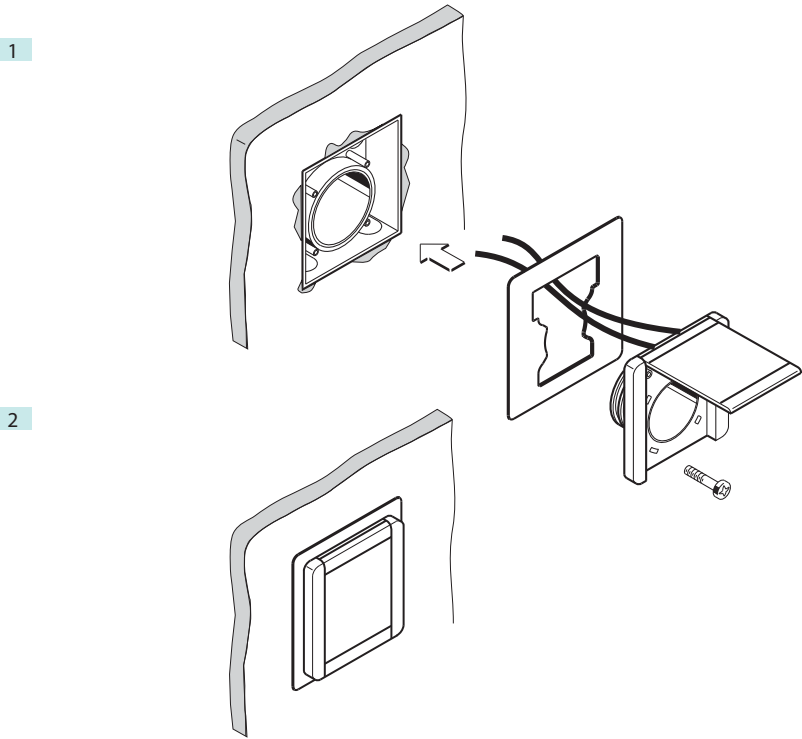


INLET VALVES

	INLET VALVES FOR SQUARE MOUNTING PLATE (ART. 1450.4B AND ART. 1450.5B)			
	ARTICLE	DESCRIPTION	COLOUR	PACKING (pcs)
	1464.0B	SQUARE INLET VALVE	<input type="checkbox"/> White	20
	1464.1B		<input type="checkbox"/> Ivory	20
	1464.2B		<input type="checkbox"/> Silver	20

	FINISHING FRAME FOR SQUARE SOCKETS			
	ARTICLE	DESCRIPTION	COLOUR	PACKING (pcs)
	1450.10	FINISHING FRAME	<input type="checkbox"/> White	5
	1450.11		<input type="checkbox"/> Ivory	5

EXPLANATORY DRAWING

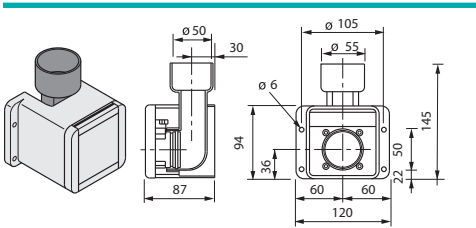


NOTE: Any plaster defects around the square mounting plate can be resolved by inserting the finishing frame between the mounting plate and the inlet valve.

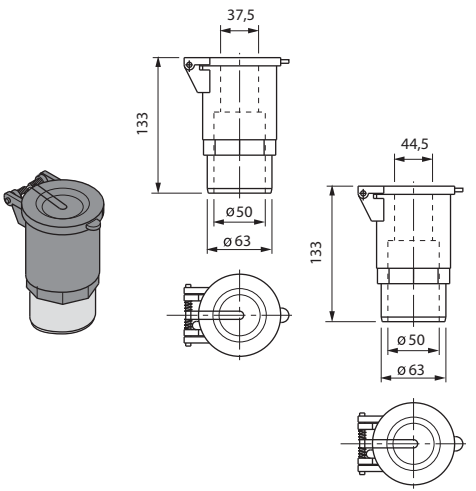
SPECIAL INLET VALVES

The SISTEM-AIR inlet valves meet all kinds of system needs in businesses and industries. The insulation level for micro switches fitted both on the floor sockets and external industrial ones is IP65.

N.B. The industrial external inlet valves are fitted with an attachment both for Ø 50 mm. rigid piping, and for Ø 63 mm. piping (using the double stop coupling parts no. 1163.1 as a junction).



EXTERNAL INLET VALVE FOR Ø 32 FLEXIBLE HOSE (Ø 50 PVC PIPES)			
ARTICLE	DESCRIPTION	COLOUR	PACKING (pcs)
1459.5	External domestic inlet valve	<input type="checkbox"/> White	1



INDUSTRIAL INLET VALVE FOR Ø 32 FLEXIBLE HOSE		
ARTICLE	DESCRIPTION	PACKING (pcs)
1456.1	INDUSTRIAL EXTERNAL INLET VALVE (WITH MICROSWITCH)	1
INDUSTRIAL INLET VALVE FOR Ø 40 FLEXIBLE HOSE		
ARTICLE	DESCRIPTION	PACKING (pcs)
1456.3	INDUSTRIAL EXTERNAL INLET VALVE (WITH MICRO SWITCH)	1



SPECIAL INLET VALVES

FLOOR INLET VALVE FOR Ø 32 FLEXIBLE HOSE

ARTICLE	DESCRIPTION	COLOUR	PACKING (pcs)
1455.0A	FLOOR INLET VALVE (WITH MICRO SWITCH)	Gray	1
1455.0B		White	1
1455.0M		Brown	1
1455.0N		Black	1

FLOOR INLET VALVE FOR Ø 40 FLEXIBLE HOSE

ARTICLE	DESCRIPTION	COLOUR	PACKING (pcs)
1455.2A	FLOOR INLET VALVE (WITH MICRO SWITCH)	Gray	1
1455.2B		White	1
1455.2M		Brown	1
1455.2N		Black	1

STEEL KEY FOR PROTECTED INLET VALVES

ARTICLE	DESCRIPTION	PACKING (pcs)
1400.0	STEEL KEY FOR PROTECTED INLET VALVE	5
1400.1	STEEL KEY FOR PROTECTED INLET VALVE	5

VALPAN INLET VALVES

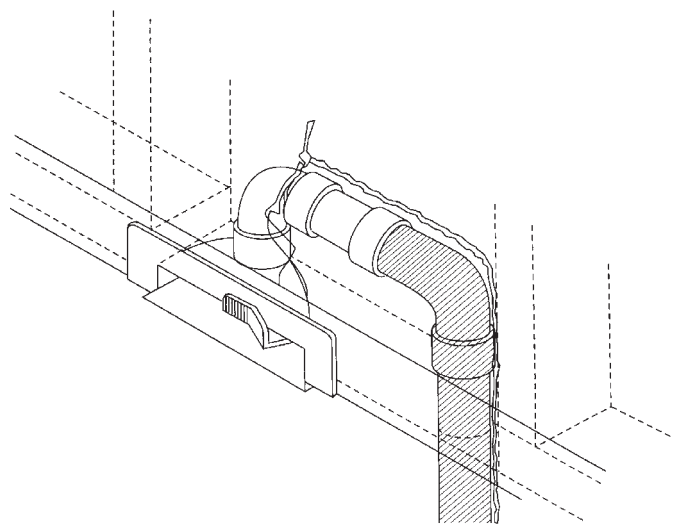
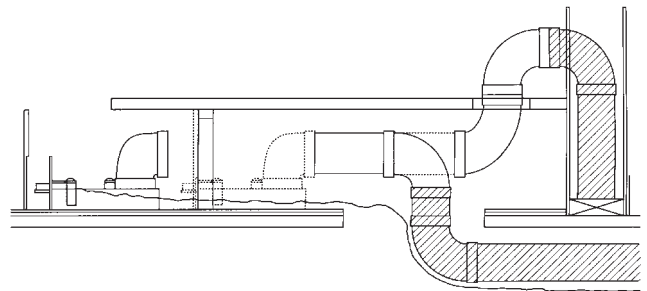
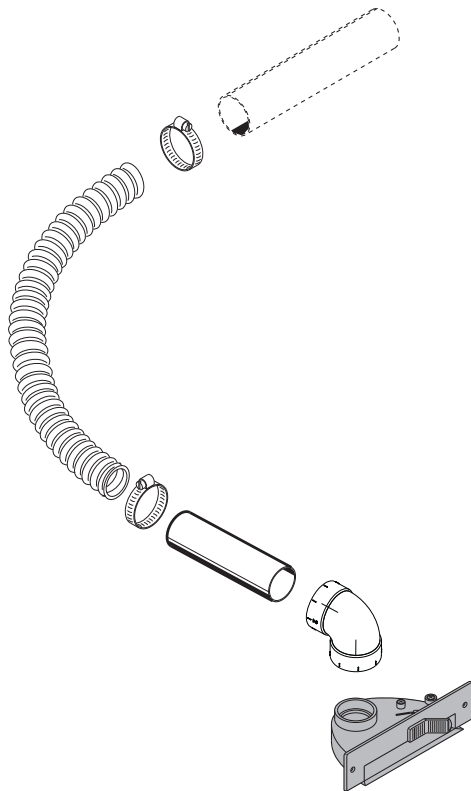
The SISTEM-AIR vacpan inlet valves can be installed in the skirting board of the kitchen at home (see design below). The system can be turned on and off with a pedal, positioned on the front of the opening. Thanks to the mounting plate art. 1450.16 it is possible to insert vacpan inlet valves also in the wall.

N.B. The vacpan inlet valves are fitted with an electric contact to control the central unit.

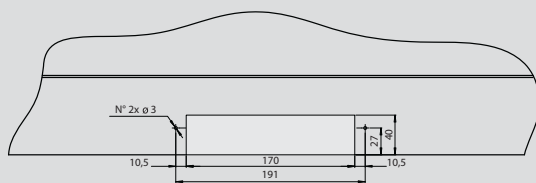
VACPAN INLET VALVES			
ARTICLE	DESCRIPTION	COLOUR	PACKING (PCS)
1464.2	VACPAN INLET VALVE	White	1
1464.3		Black	1
1464.5		Silver	1

MOUNTING PLATE FOR VACPAN INLET VALVE		
ARTICLE	DESCRIPTION	PACKING (PCS)
1450.16	STEEL MOUNTING PALTE FOR VACPAN INLET VALVE	1

EXPLANATORY DRAWING



PERFORATION LAYOUT FOR FIXING THE SKIRTING BOARD





total hygiene
careful cleaning







Complete cleaning accessories kit

Ø 32

Ø 32 mm cleaning accessories kit for rectangular and square mounting plates

Cleaning accessory kit suitable for rectangular and square inlet valves, supplied in single packing.












ARTICLE 7032.4	CLEANING ACCESSORIES KIT		BASIS
	Description	Article	Q.ty
	7 metre hose	7037.7	1
	Wall end swivel connector	7038.0M	1
	Plastic elbow connector	7039.1	1
	Pair of chrome pipes	7040.0	1
	30 cm floor brush	7047.1	1

ARTICLE 7030.0	CLEANING ACCESSORIES KIT		MINI
	Description	Article	Q.ty
	Accessory holder (4 pieces)	7041.1	1
	7 metre hose	7037.7	1
	Wall end swivel connector	7038.0M	1
	Plastic elbow connector	7039.1	1
	Pair of plastic pipes	7040.2	1
	30 cm floor brush	7047.1	1
	Brush for dusting	7043.0	1
	Crevice tool	7045.0	1

MINI kit



















ARTICLE 7032.0	CLEANING ACCESSORIES KIT STANDARD		
	Description	Article	Q.ty
	Accessory holder (10 pieces)	7041.0	1
	7 metre hose	7037.7	1
	Wall end swivel connector	7038.0M	1
	Plastic elbow connector	7039.1	1
	Pair of chrome pipes	7040.0	1
	30 cm floor brush	7047.1	1
	Brush for dusting	7043.0	1
	Radiator brush	7046.0	1
	Brush for clothes	7042.0	1
	Brush for mattresses - upholstery	7044.0	1
	Crevice tool	7045.0	1
ARTICLE 7032.2 Kit wit 9 m hose			

STANDARD kit



ARTICLE 7031.0	CLEANING ACCESSORIES KIT ELITE		
	Description	Article	Q.ty
	Accessory holder (10 pieces)	7041.0	1
	6 metre hose	-	1
	2 metre hose	-	1
	Wall end swivel connector	7038.0M	1
	Extension pipe connector	7048.0	1
	Chrome elbow connector	7039.0	1
	Chrome telescopic extension	7040.1	1
	30 cm floor brush	7047.1	1
	Dual purpose brush	7036.0	1
	Brush for dusting	7043.0	1
	Radiator brush	7046.0	1
	Brush for clothes	7042.0	1
	Brush for mattresses - upholstery	7044.0	1
	Crevice tool	7045.0	1
ARTICLE 7031.2 Kit wit 9 m hose			



Ø 32 ON-OFF

Complete cleaning accessories kit

Ø 32 mm cleaning accessories kit for rectangular and square mounting plates

Cleaning accessory kit suitable for rectangular and square inlet valves, supplied in single packing.

N.B. These models are used when the activation of the system is effected by the use of a micro switch from the handle of the flexible hose.

ARTICLE 7032.1	CLEANING ACCESSORIES KIT	STANDARD	
	Description	Article	Q.ty
	Accessory holder (10 pieces)	7041.0	1
	7 metre electric hose	7037.4E	1
	Pair of chrome pipes	7040.0	1
	30 cm floor brush	7047.1	1
	Brush for dusting	7043.0	1
	Radiator brush	7046.0	1
	Brush for clothes	7042.0	1
	Brush for mattresses - upholstery	7044.0	1
	Crevice tool	7045.0	1
ARTICLE 7032.2E	Standard kit with 9 m hose		

ARTICLE 7031.1	CLEANING ACCESSORIES KIT	ELITE	
	Description	Article	Q.ty
	Accessory holder (10 pieces)	7041.0	1
	7 metre electric hose	7037.4E	1
	Crome telescopic extension	7040.1	1
	30 cm floor brush	7047.1	1
	Dual purpose brush	7036.0	1
	Brush for dusting	7043.0	1
	Radiator brush	7046.0	1
	Brush for clothes	7042.0	1
	Brush for mattresses - upholstery	7044.0	1
	Crevice tool	7045.0	1
ARTICLE 7031.2E	Elite kit with 9 m hose		

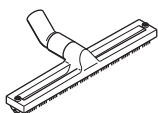
STANDARD kit



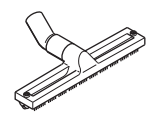
CLEANING ACCESSORIES

The SISTEM-AIR cleaning accessories are supplied in individual packing for specific use in domestic and business environments.

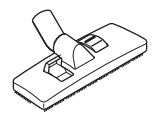
37 CM FLOOR BRUSH

	Article	Colour	Material	Packing
	7047.0	Black	Plastic	Pcs. 1

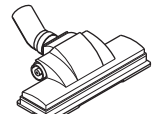
30 CM FLOOR BRUSH

	Article	Colour	Material	Packing
	7047.1	Black	Plastic	Pcs. 1


DUAL PURPOSE BRUSH FOR FLOORS – CARPETS

	Article	Colour	Material	Packing
	7036.0	Black	Plastic	Pcs. 1

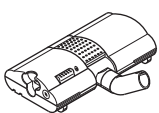
FELT HEAD FOR WOODEN FLOORING

	Article	Colour	Material	Packing
	7035.0	Black	Plastic	Pcs. 1

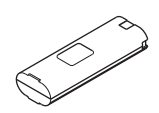
CARPET BEATER BRUSH

	Article	Colour	Material	Packing
	7034.0	Black	Plastic	Pcs. 1

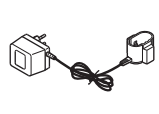
CARPET BEATER BRUSH WITH 12 VOLT BATTERY

	Article	Colour	Material	Packing
	7034.1	Black	Plastic	Pcs. 1


12 V BATTERY FOR CARPET BEATER BRUSH

	Article	Colour	Material	Packing
	7034.2	Black	Plastic	Pcs. 1


BATTERY CHARGER FOR CARPET BEATER BRUSH

	Article	Colour	Material	Packing
	7034.3	Black	Plastic	Pcs. 1


UPHOLSTERY BEATER BRUSH

	Article	Colour	Material	Packing
	7033.3	Black	Plastic	Pcs. 1

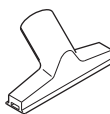
CLOTHES BRUSH WITH BRISTLES

	Article	Colour	Material	Packing
	7042.0	Black	Plastic	Pcs. 1

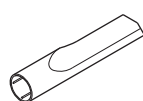
DUST BRUSH WITH BRISTLES

	Article	Colour	Material	Packing
	7043.0	Black	Plastic	Pcs. 1


BRUSH FOR MATTRESSES AND UPHOLSTERY

	Article	Colour	Material	Packing
	7044.0	Black	Plastic	Pcs. 1


CREVICE TOOL

	Article	Colour	Material	Packing
	7045.0	Black	Plastic	Pcs. 1

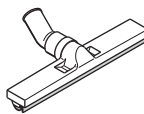
BRUSH FOR PIPES AND BALKS

	Article	Colour	Material	Packing
	7033.2	Black	Plastic	Pcs. 1


BRUSH FOR ANIMALS

	Article	Colour	Material	Packing
	7049.0	Black	Plastic	Pcs. 1


30 CM BRUSH FOR LIQUIDS WITH RUBBER SPATULAS

	Article	Colour	Material	Packing
	7033.1	Black	Plastic	Pcs. 1


RADIATOR BRUSH

	Article	Colour	Material	Packing
	7046.0	Black	Plastic	Pcs. 1


7 M ON/OFF ELECTRIC HOSE

	Article	Colour	Material	Packing
	7037.4E	Silver	Plastic	Pcs. 1


9 m on/off electric hose

	Article	Colour	Material	Packing
	7037.3E	Silver	Plastic	Pcs. 1

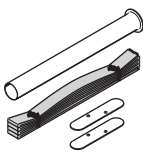
HOSE 7 m, by measur

	Article	Colour	Material	Packing
	7037.7	Silber	Plastic	Pcs. 1

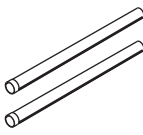
HANDLE WITH AIR REGULATION

	Article	Colour	Material	Packing
	7039.1	Black	Plastic	Pcs. 1

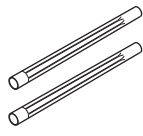
SCHEATH FOR HOSE, 7 m

	Article	Colour	Material	Packing
	7037.1	Jeans	Wool	Pcs. 1

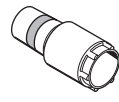
CHROMIUM PLATED TUBES

	Article	Colour	Material	Packing
	7040.0	Steel	Metal	Pcs. 1


EXTENSION HOSE IN PLASTIC (PAIR)

	Article	Colour	Material	Packing
	7040.2	Black	Plastic	Pcs. 1


FITTING PIPE INLET WITH METAL RING

	Article	Colour	Material	Packing
	7038.0M	Black	Plastic	Pcs. 1

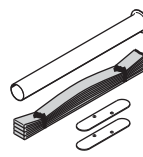
HOSE BY MEASURE

	Article	Colour	Material	Packing
	7037.18	Silver	Plastic	Pcs. 1

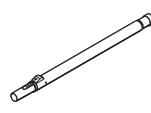
HANDLE WITH AIR REGULATION

	Article	Colour	Material	Packing
	7039.0	Chromium	Metal	Pcs. 1

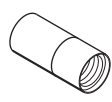
SHEATH FOR HOSE

	Article	Colour	Material	Packing
	7037.4	Jeans	Wool	Pcs. 1

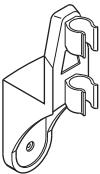
TELESCOPIC EXTENSION, CHROMIUM PLATED

	Article	Colour	Material	Packing
	7040.1	Steel	Metal	Pcs. 1

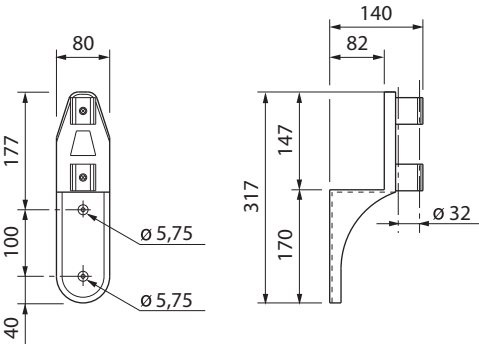
HOSE FITTING EXTENSION

	Article	Colour	Material	Packing
	7048.0	Black	Plastic	Pcs. 1

ACCESSORIES HOLDER FOR MINI (4 PIECES)



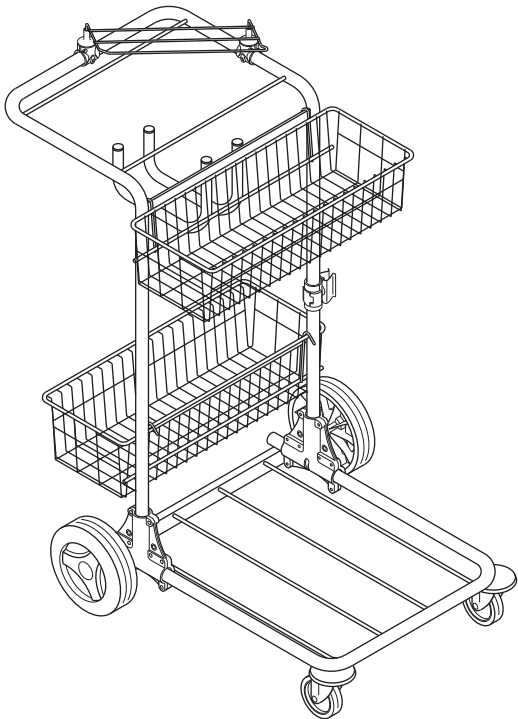
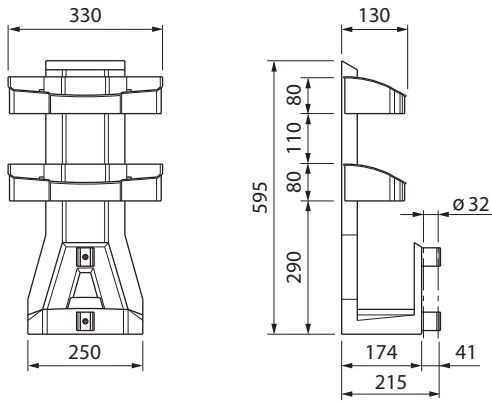
Article	Colour	Material	Packing
7041.1	Black	Plastic	Pieces 1



ACCESSORIES HOLDER (10 PIECES)

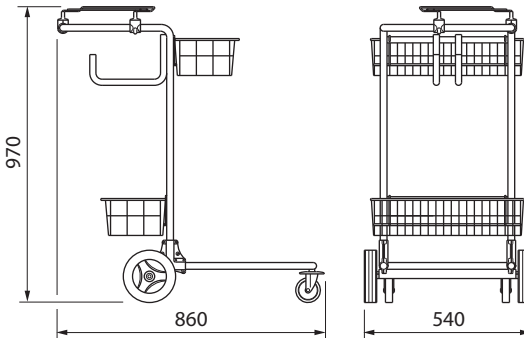


Article	Colour	Material	Packing
7041.0	Anthracite	Plastic	Pieces 1




ACCESSORIES TROLLEY

Article	Colour	Material	Packing
7041.2	Steel	Metal	Pieces 1

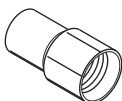


Ø 40

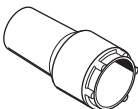
Ø 40, 10 M FLEXIBLE HOSE

	Article	Colour	Material	Packing
	7037.2	Black	Plastic	Pcs. 1


Ø 40 FLEXIBLE HOSE CONNECTOR-HANDLE

	Article	Colour	Material	Packing
	7038.1	Black	Plastic	Pcs. 1


Ø 40 FLEXIBLE HOSE WALL END SWIVEL

	Article	Colour	Material	Packing
	7038.2	Black	Plastic	Pcs. 1


Ø 40 FLEXIBLE HOSE CHROME ELBOW HANDLE UPPER

	Article	Colour	Material	Packing
	7039.21	Steel	Metal	Pcs. 1


Ø 40 FLEXIBLE HOSE CHROME ELBOW HANDLE LOWER

	Article	Colour	Material	Packing
	7039.22	Steel	Metal	Pcs. 1

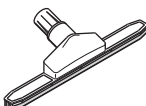
Ø 40 DUST BRUSH WITH BRISTLES

	Article	Colour	Material	Packing
	7047.3	Black	Plastic	Pcs. 1

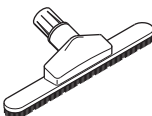
Ø 40 CREVICE TOOL

	Article	Colour	Material	Packing
	7047.4	Black	Plastic	Pcs. 1


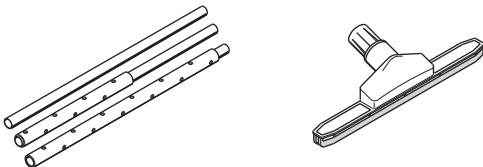
Ø 40 BRUSH FOR LIQUIDS

	Article	Colour	Material	Packing
	7033.8	Black	Plastic	Pcs. 1

48 CM, Ø 40 BRUSH WITH BRISTLES FOR FLOOR USE

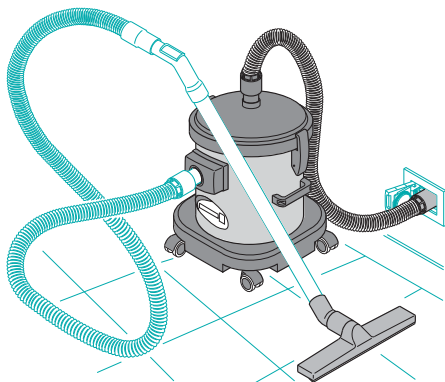
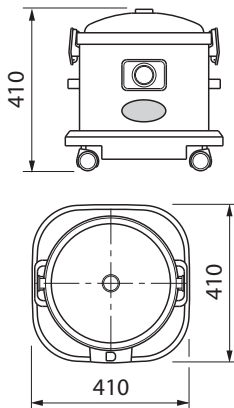
	Article	Colour	Material	Packing
	7047.2	Black	Plastic	Pcs. 1

Ø 40 OVEN CLEANING KIT

	Article	Colour	Material	Packing
	7032.3	Steel	Metal	Pcs. 1
				

SPECIAL CLEANING SEPARATORS

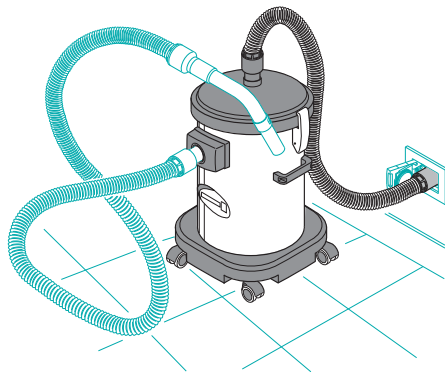
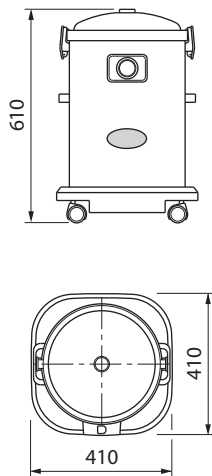
The special cleaning separators are accessories that you can use every time you have to vacuum liquids, or, ash that must not get into the vacuum piping network. They are fitted with wheels for movement that allow you to easily and rapidly move and empty it.



EQUIPMENT:
 - Ø 32 hose for connection to system
 - brush for liquids

LIQUID SEPARATOR ON WHEELS,
COMPLETE WITH ACCESSORIES

Article	Colour	Material	Packing
7033.0	Grey	Plastic	Pcs. 1



EQUIPMENT:
 - Ø 32 flexible hose for connection to the system

20 LITRE METAL ASH SEPARATOR ON
WHEELS

Article	Colour	Material	Packing
7033.7	Steel	Metal	Pcs. 1





REEL ACCESSORIES

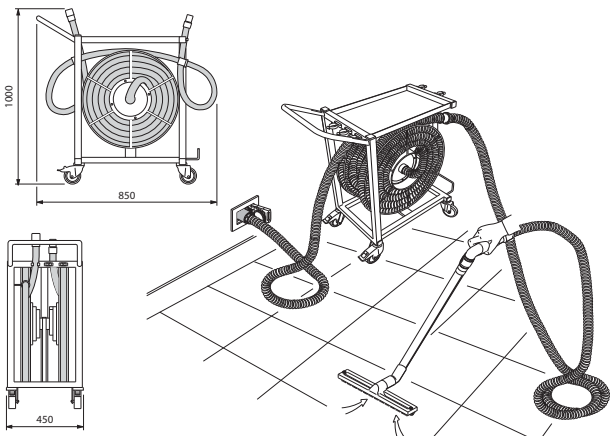
The reel accessories ensure ease in cleaning industrial environments, thanks to the fact that there is no need to transport the flexible hose. Furthermore, the work is made easier by the fact that it is possible to use only the length of hose required. All the reels are supplied with the flexible hose installed.

REEL TROLLEY

The reel trolley is fitted with a trolley for carrying accessories to make it easier to carry the material and to have the cleaning accessories always close to hand. Link up to the piping network is done using any kind of inlet valve on the vacuum system.

ARTICLE	FLEXIBLE HOSE MM	START UP CONTACT	SYSTEM ATTACHMENT MM	PACKING PCS.
7041.3	Ø 32	NO	Ø 32	1
7041.4	Ø 40	NO	Ø 40	1

SIZES AND USE

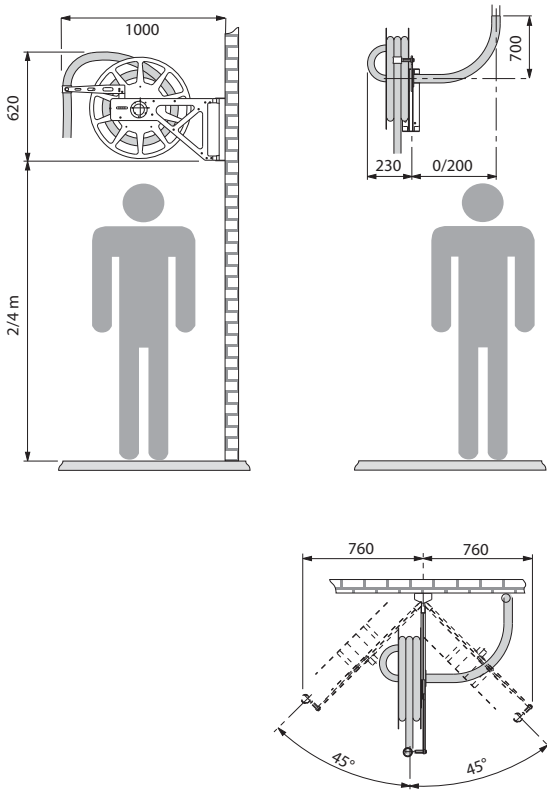


WALL MOUNTED REEL

The wall mounted reel is fitted with an electric start up contact and automatic hose rewinding. The electric connection is made using a link up to the system's micro line, with a simple inlet valve. The connection to the piping network does not require any particular inlet valve, but is done directly by fixing a Ø 50 hose connector to the piping in the piping network (Ø 50). The movement of the guiding arm and hose unwinding will activate the central vacuum unit, and will be deactivated when the arm is back to the "closed" position.



SIZES



ARTICLE	FLEXIBLE HOSE MM	START UP CONTACT	SYSTEM ATTACHMENT MM	UNWINDING LENGTH M	PACKING PIECES
7041.5	Ø 32	YES	Ø 50	10,5	1
7041.6	Ø 40	YES	Ø 50	10	1



to improve
the quality of work

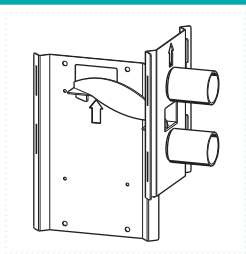




EQUIPMENT

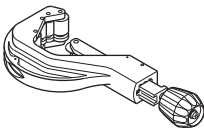
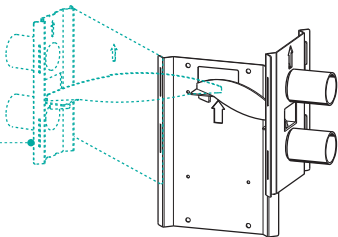
The SISTEM-AIR installation equipment simplifies and improves the quality of work; the template allows you to place the piping in the correct position where the central vacuum unit will be installed without wasting time and with considerable space reduction.

The pipe cutter allows you to cut the pipes with precision, and obtain a perfect coupling with the connectors. The screw cap for depression testing, is used to hermetically seal the mounting plates in order to test the hold of the piping network before being buried into the floor; with the vacuum gauge accessory, you can read the pressure loss of a system in proportion to the vacuum of the central vacuum unit.



CONNECTION TEMPLATE FOR "TECNO" SERIES OF CENTRAL UNITS			
ARTCLE	COLOUR	MATERIAL	PACKING (pcs)
4300.0	ZINC PLATED	METAL	1


Option of placing either on the right or the left




PIPE CUTTER FOR PVC AND SPARE PARTS		
ARTCLE	DESCRIPTION	PACKING (pcs)
4163.0	Pipe cutters up to Ø 63 mm	1
4100.0	Pipe cutters up to Ø 100 mm	1
4163.1	Spare wheel for pipe cutters	5

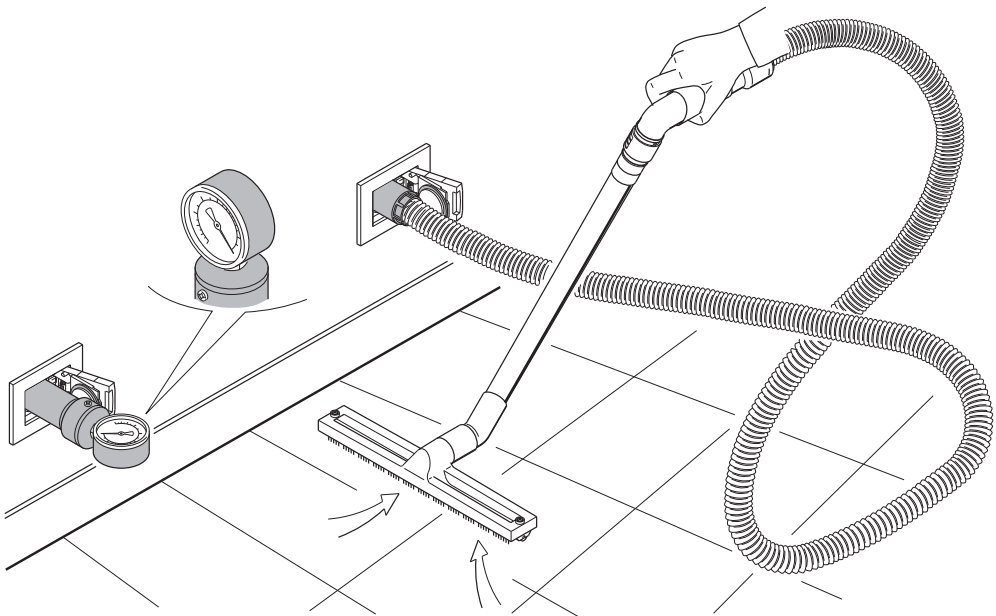




	SCREW CAP FOR TESTING INSTALLATION			
	ARTICLE	COLOUR	MATERIAL	PACKING (pcs)
	5050.5	Black	Plastic	5



	VACUUM GAUGE FOR SYSTEM TESTING			
	ARTICLE	COLOUR	MATERIAL	PACKING (PCS)
	4001.0	Steel	Metal	1





Sistem TEST



Classe II



Sistem TEST




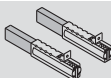


PRINCIPAL CHARECTERISTICS

SISTEM Test improves the work of the specialized installer during the installation of Sistem Air vacuum units. Thanks to this transportable unit, which is already provided with a vacuum gauge, it will be possible to certify the correct installation of the system. after the installation of the piping system. It is possible to test the tightness of the same and to release a certificate which represent a further guarantee for the client that his system has been realized according to the rules of the trade. With Sistem Test you will beprovided with everything necessary to test the system:

- The Sistem Test unit, with vacuum gauge, for a quick and precise reading of the pressure drop of the system. It can be easily moved thanks to its weels.
- A hose to connect the unit to the system.
- A universal adapter.
- A full kit of test plugs to test the system.
- A strong and practical bag to transport easily and conveniently the whole kit.

SPARE PARTS

		Sistem TEST	
		ART.	4300.1
		MODEL	Sistem TEST
		ARTICLE	
 <div>Filter Quantity = 1 Piece</div>		1610.16	
 <div>Dust bag Quantity = 20 Pieces</div>		1614.15	
 <div>Motor Quantity = 1 Piece</div>		1623.16	
 <div>Motor brushes Quantity = 20 Pieces</div>		1611.16	

MATERIAL CONTENT IN SISTEM TEST ART. 4300.1


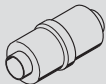
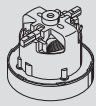
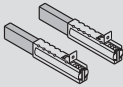
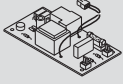
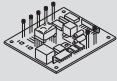

DESCRIPTION	QUANTITY pcs.
Vacuum unit Sistem Test with vacuum gauge	1
Hose connection	1
Universal adapter	1
Test plug	20
Test certificate block in triple copy	1
Bag with handles to transport the kit	1



SPARE PARTS FOR DOMESTIC SERIES

SISTEM-AIR spare parts are individually packed.

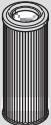
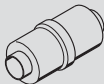
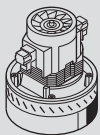
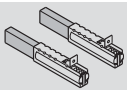
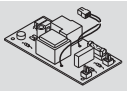
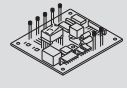

TECNO ACTIVA / TECNO EVOLUTION GENERATION CENTRAL UNIT SPARE PARTS

	ART.	TECNO Evolution Generation							TECNO Activa Generation						
		3107.1TE	3108.1TE	3109.1TE	3110.1TE	3112.1TE	3113.1TE	3115.1TE	3107.1TA	3108.1TA	3109.1TA	3110.1TA	3112.1TA	3113.1TA	3115.1TA
MODEL		MINI TE	MEDIA TE	MEDIA PLUS TE	SA 050 TE	SA 100 TE	SA 200 TE	SA 400 TE	MINI TA	MEDIA TA	MEDIA PLUS TA	SA 050 TA	SA 100 TA	SA 200 TA	SA 400 TA
ARTICLE															
 Filter cartridge Quantity = 1 piece	1610.0														
	1610.5														
 Ø 50 2" air vent silencer Quantity = 1 piece	110001														
 Motor Quantity = 1 piece	1623.7														
	1623.8														
	1623.9														
	1623.10														
	1623.11														
 Motor brushes Quantity = 1 piece	1611.10														
	1611.11														
 Electronic board for motor Quantity = 1 piece	1612.4														
 Electronic board for computer Quantity = 1 piece	1612.5														
 Dust bags Quantity = 10 pcs.	1614.4														

SPARE PARTS FOR DOMESTIC SERIES

SISTEM-AIR spare parts are individually packed.



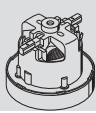




TECNO ACTIVA / TECNO EVOLUTION CENTRAL UNIT SPARE PARTS

	ART.	TECNO Evolution							TECNO Activa						
		3107.0TE	3108.0TE	3109.0TE	3110.0TE	3112.0TE	3113.0TE	3115.0TE	3107.0TA	3108.0TA	3109.0TA	3110.0TA	3112.0TA	3113.0TA	3115.0TA
MODEL		MINI TE	MEDIA TE	MEDIA PLUS TE	SA 050 TE	SA 100 TE	SA 200 TE	SA 400 TE	MINI TA	MEDIA TA	MEDIA PLUS TA	SA 050 TA	SA 100 TA	SA 200 TA	SA 400 TA
ARTICLE															
 Filter cartridge Quantity = 1 piece	1610.0														
	1610.5														
 Ø 50 2" air vent silencer Quantity = 1 piece	110001														
 Motor Quantity = 1 piece	1613.7														
	1613.8														
	1613.9														
	1613.10														
	1613.11														
 Motor brushes Quantity = 2 pieces	1611.3														
	1611.4														
	1611.5														
	1611.6														
	1611.7														
 Electronic board for motor Quantity = 1 piece	1612.4														
 Electronic board for computer Quantity = 1 piece	1612.5														
 Dast bags Quantity = 10 pcs.	1614.4														

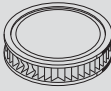
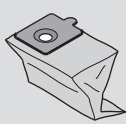

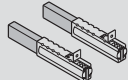
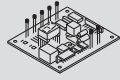
SPARE PARTS FOR DOMESTIC SERIES

SISTEM-AIR spare parts are individually packed.

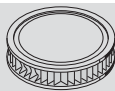
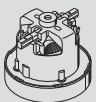

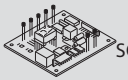
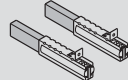
TECNOSTAR CENTRAL UNIT SPARE PARTS

	ART.	TECNO Star
		TECNO Star
MODEL	ARTICLE	
 Filter cartridge Quantity = 1 piece	1610.7	
 Bags Quantity = 20 pieces	1614.2	
 Motor Quantity = 2 pieces	1613.13	
 Motor brushes Quantity = 2 pieces	1611.9	
 Motor start up board Quantity = 1 piece	1612.9	
 Electronic board for computer Quantity = 1 piece	1612.5	
 Ø 63 air vent silencer Quantity = 1 piece	110002	

SISTEM CUBE CENTRAL UNIT SPARE PARTS

	ART.	Sistem CUBE
		Sistem CUBE
MODEL	ARTICLE	
 Filter cartridge Quantity = 1 piece	1610.15	
 Bags Quantity = 20 pieces	1614.15	
 Motor Quantity = 2 pieces	1623.15	
 Motor brushes Quantity = 2 pieces	1611.15	
 Electronic board for computer Quantity = 1 piece	1612.8	

WOLLY CENTRAL UNIT SPARE PARTS

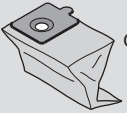

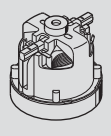
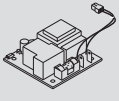
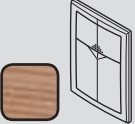
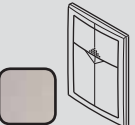
	ART.	WOLLY	
		8200.0	8200.1
MODEL		Wolly 150	Wolly 300
ARTICLE			
 Filter cartridge Quantity = 1 piece	1610.9		
 Motor Quantity = 2 pieces	1613.14		
 Bags Quantity = 20 pieces	8220.0		
 Electronic board for computer SOFT START SYSTEM Quantity = 1 piece	1612.10		
 Motor brushes Quantity = 2 pieces	1611.10		

SPARE PARTS FOR DOMESTIC SERIES



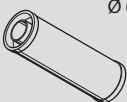
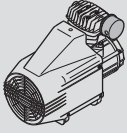
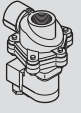

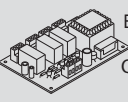
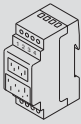
SPARE PARTS FOR PROFESSIONAL SERIES

SISTEM-AIR spare parts are individually packed.

JOLLY SISTEM SPARE PARTS

	ART.	JOLLY Serie	
		8710.0	8720.0
	MODEL	JOLLY	JOLLY Contact
	ARTICLE		
 Bags Quantity = 5 pieces	8402.0		
 Motor protection filter Quantity = 1 piece	8406.0		
 Motor Quantity = 1 piece	8401.0		
 Jolly contact electronic board Quantity = 1 piece	8403.0		
 Grained wood coloured decorative frame Quantity = 1 piece	8900.0		
 Light carbon coloured decorative frame Quantity = 1 piece	8900.1		



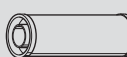
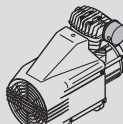


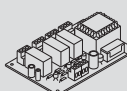
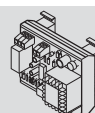
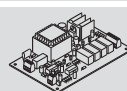

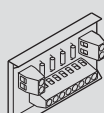
TECNO BLOCK MINI CENTRAL UNIT SPARE PARTS

	MODEL	TECNO Block Mini	
		3115.1MB	3115.2MB
	ARTICLE		
 Filter cartridge Quantity = 1 piece	1610.1		
 Bags Quantity = 20 pieces	1614.2		
 Ø 63 air vent silencer Quantity = 1 piece	110002		
 Compressor for self-cleaning Quantity = 1 piece	040002		
 Solenoid valve for self-cleaning Quantity = 1 piece	040016		
 Electronic pressure switch for self-cleaning Quantity = 1 piece	3301.3		
 Electronic board for self-cleaning Quantity = 1 piece	3301.9		
 Timer for self-cleaning Quantity = 1 piece	040020		

SPARE PARTS FOR PROFESSIONAL SERIES

SISTEM-AIR spare parts are individually packed.









TECNO BLOCK MAXI CENTRAL UNIT SPARE PARTS

		TECNO Block Maxi										
		MODEL	3200.0MB	32001.MB	3200.4MB	3200.6MB	3200.8MB	3200.3MB	3200.2MB	3200.5MB	3200.7MB	3200.9MB
		ARTICLE										
	Filter cartridge Quantity = 1 piece	1610.2										
	Dast bags Quantity = 1 piece	1614.2										
	Ø 63 air vent silencer Quantity = 1 piece	110002										
		11002										
	Compressor for self-cleaning Quantity = 1 piece	040002										
	Solenoid valve for self-cleaning Quantity = 1 piece	040016										
	Electronic pressure switch for self-cleaning Quantity = 1 piece	3301.3										
	Electronic board for self-cleaning Quantity = 1 piece	3301.9										
	Motor start up board Quantity = 1 piece	3301.1										
	Call selection board Quantity = 1 piece	3301.2										
	Timer for self-cleaning Quantity = 1 piece	040020										
	Resistive divider card for 4 inlets Quantity = 1 piece	3301.4										









SPARE PARTS FOR INDUSTRIAL SERIES

SISTEM-AIR spare parts are individually packed.





BLOWING POWER UNITS SPARE PARTS

	Blowing power units						
	MODEL	060005Q	060006Q	060008Q	060005QE	060006QE	060008QE
ARTICLE							
 Motor start up board Quantity = 1 piece	3301.1						
 Resistive divider card for 4 inlets Quantity = 1 piece	3301.4						
 2" Retention valve for motor coupling Quantity = 1 piece	0110001						
 3" Retention valve for motor coupling Quantity = 1 piece	0110003						
 4" Retention valve for motor coupling Quantity = 1 piece	0110002						
 2" air vent silencer Quantity = 1 piece	11001						
 3" air vent silencer Quantity = 1 piece	11002						
 4" air vent silencer Quantity = 1 piece	11003						

DUST SEPARATORS SPARE PARTS

	ART.	Separators spare parts			
		3200.0	3202.1	3200.0A	3202.1A
MODEL		LT 80	LT 160	LT 80 C/A	LT 160 C/A
ARTICLE					
 Polyester filter cartridge Quantity = 1 piece	1610.2				
	1610.4				
 Dast Bags Quantity = 20 pieces	1614.2				
	1614.3				
 Compressor for self-cleaning Quantity = 1 piece	040002				
 Solenoid valve for self-cleaning Quantity = 1 piece	040016				
 Electronic pressure switch for self-cleaning Quantity = 1 piece	3301.3				
 Electronic board for self-cleaning Quantity = 1 piece	3301.9				
 Rotating nozzle Quantity = 1 piece	040023				
 Timer for self-cleaning Quantity = 1 piece	040020				

SPARE PARTS FOR SISTEM TEST

	Sistem TEST	
	ART.	4300.1
MODEL		Sistem TEST
ARTICLE		
 Polyester filter cartridge Quantity = 1 piece	1610.16	
 Bags Quantity = 1 piece	1614.15	
 Motor Quantity = 1 piece	1623.16	
 Motor brushes Quantity = 2 pieces	1611.16	



ALPHABETIC CONTENTS

ARTICLE	DESCRIPTION	Catalogue PAGE
7034.2	12 V battery for carpet beater brush	135
060005Q	2.2 kW blowing power unit with 380 Volt control panel	75
060005QE	2.2 kW blowing power unit with 380 Volt electronic board	75
0110001	2" check valve for motor connection	153
11001	2" metal silencer	153
040002	220/240 V compressor for self-cleaning	151
0110003	3" check valve for motor connection	153
11002	3" metal silencer	153
060006Q	4 kW blowing power unit with 380 Volt control panel	75
060006QE	4 kW blowing power unit with 380 Volt with electronic board	75
0110002	4" check valve for motor connection	153
11003	4" metal silencer	153
3010.1	45° elbow PVC female female Ø 100	104
3050.1	45° elbow PVC female female Ø 50	104
3063.1	45° elbow PVC female female Ø 63	104
3080.1	45° elbow PVC female female Ø 80	104
3010.0	45° elbow PVC male female Ø 100	104
3050.0	45° elbow PVC male female Ø 50	104
3063.0	45° elbow PVC male female Ø 63	104
3080.0	45° elbow PVC male female Ø 80	104
060008Q	5.5 kW blowing power unit with 380 Volt control panel	75
060008QE	5.5 kW blowing power unit with 380 Volt electronic board	75
060010QE	7.5 kW blowing power unit with 380 Volt electronic board	75
7041.0	Accessory holder (10 pieces)	138
7032.3	Accessory kit for oven	139
7041.2	Accessory trolley	138
1450.18	Adapter for square mounting plate	119
1863.0A	Aluminium alloy pipe (3 m) 6060 Ø 63	106
1850.0A	Aluminium alloy pipe (3 m) Ø 50	106
7033.7	Ash separator in metal	140
1614.15	Bags for Sistem Cube	150
8220.0	Bags for Wolly	150
7034.3	Battery charger for carpet beater brush	135
7047.1	Brush floor 30 cm	135
7049.0	Brush for animals	136
7033.8	Brush for liquids Ø 40	139
7033.1	Brush for liquids with rubber spatulas 30 cm	136
7044.0	Brush for mattresses and upholstery	136
7033.2	Brush for pipes and balks	136
7034.0	Carpet beater brush	135
7034.1	Carpet beater brush with 12 V battery	135
7100.2	Case Cover for Media unit	103
7100.1	Case Cover for Mini unit	103
3200.9MB	Central vacuum unit TECNOBLOCK 4 kW 380 Volt with self-cleaning	59
3200.3MB	Central vacuum unit TECNOBLOCK 2.2 kW 380 Volt with self-cleaning	59
3200.1MB	Central vacuum unit TECNOBLOCK 2.2 kW/QE 220/240 Volt	59
3200.2MB	Central vacuum unit TECNOBLOCK 2.2 kW/QE 220/240 Volt with self-cleaning	59
3200.4MB	Central vacuum unit TECNOBLOCK 2.2 kW/QE 380 Volt	59
3200.5MB	Central vacuum unit TECNOBLOCK 2.2 kW/QE, 380 Volt with self-cleaning	59
3200.0MB	Central vacuum unit TECNOBLOCK 2.2kW, 380 Volt	59
3200.6MB	Central vacuum unit TECNOBLOCK 4 kW/QE 380 Volt	59
3200.8MB	Central vacuum unit TECNOBLOCK 4 kW/QE 380 Volt Plus	59
3200.7MB	Central vacuum unit TECNOBLOCK 4 kW/QE 380 Volt with self-cleaning	59
3115.1MB	Central vacuum unit TECNOBLOCK MINI QE 1.5 kW 220/240 Volt	53
3109.1TA	Central vacuum unit, model MEDIA PLUS/TA Generation for 250 m ²	15
3109.1TE	Central vacuum unit, model MEDIA PLUS/TE Generation for 250 m ²	15
3108.1TA	Central vacuum unit, model MEDIA/TA Generation for 150 m ²	15
3108.1TE	Central vacuum unit, model MEDIA/TE Generation for 150 m ²	15
3107.1TA	Central vacuum unit, model MINI/TA Generation for 150 m ²	15
3107.1TE	Central vacuum unit, model MINI/TE Generation for 150 m ²	15
3110.1TA	Central vacuum unit, model SA050/0TA Generation for 150 m ²	15
3110.1TE	Central vacuum unit, model SA050/0TE Generation for 150 m ²	15

ARTICLE	DESCRIPTION	Catalogue PAGE
3112.1TA	Central vacuum unit, model SA100TA Generation for 250 m ²	15
3112.1TE	Central vacuum unit, model SA100TE Generation for 250 m ²	15
3113.1TA	Central vacuum unit, model SA200TA Generation for 350 m ²	15
3113.1TE	Central vacuum unit, model SA200TE Generation for 350 m ²	15
3115.1TA	Central vacuum unit, model SA400 TA Generation for 450 m ²	15
3115.1TE	Central vacuum unit, model SA400TE Generation for 450 m ²	15
3115.0TS	Central vacuum unit, model TECNOSTAR with 2 motors	23
7039.0	Chrome metal end handle with pressure switch Ø 32	137
7040.1	Chrome telescopic extension Ø 32	137
7030.0	Cleaning accessory kit mod. MINI	132
7032.4	Cleaning accessory kit mod. BASIC with 7 m pipe	132
7031.0	Cleaning accessory kit mod. ELITE	133
7031.2	Cleaning accessory kit mod. ELITE (9 m hose)	133
7032.0	Cleaning accessory kit mod. STANDARD	133
7032.2	Cleaning accessory kit mod. STANDARD (9 m hose)	133
7042.0	Clothes brush with bristles	135
1612.5	Computer circuit board for TECNO Activa central units	148
7045.0	Crevice tool	136
7047.4	Crevice tool Ø 40	139
4050.0F	Derivation Pipe 45° Male/Male/Male Ø 50	107
4063.0F	Derivation Pipe 45° Male/Male/Male Ø 60	107
7036.0	Dual purpose brush	135
1614.3	Dust bags for separator LT 160 (pcs. 20)	153
1614.2	Dust bags for separators LT80 and Tecno Block Mini	150
7047.3	Dust brush 48 cm Ø 40	139
7043.0	Dust brush with bristles	136
3202.1	Dust separator LT 160	69
3202.1A	Dust separator LT 160 with self-cleaning	69
3200.0	Dust separator LT 80	69
3200.0A	Dust separator LT 80 with self-cleaning	69
3050.1F	Elbow pipe 45° Male/Male Ø 50	107
3063.1F	Elbow pipe 45° Male/Male Ø 60	107
3050.0F	Elbow pipe 90° Male/Male Ø 50	107
3063.0F	Elbow pipe 90° Male/Male Ø 63	107
3301.6	Electronic board for 2 motor starter system	83
3301.0	Electronic board for 3 motor starter system	83
3301.10	Electronic board for 8 motor starter system	83
1612.8	Electronic board for computer	150
1612.10	Electronic board for computer Wolly - soft start system	150
3301.9	Electronic card for automatic filter cleaning	151
3301.1	Electronic card for motors with circuit board	152
3301.7	Electronic card for self-cleaning	83
1612.4	Electronic card for TE/TA central units	149
1612.9	Electronic card for TECNO STAR spare parts	150
5050.4	Exhaust vent Ø 50	105
5063.4	Exhaust vent Ø 63	105
5050.0	Expansion joint Ø 50	105
5050.2	Expansion joint Ø 63	105
1450.9	Extension kit for square mounting plate	120
1450.8	Extension kit for universal mounting plate	120
1456.3	External industrial inlet valve with micro Ø 40 mm	126
7035.0	Felt head for wooden flooring	135
1610.0	Filter cartridge for TE/TA central units	148
1610.2	Filter cartridge in polyester for dust separator LT 80 / Tecno Block Maxi	152
1610.1	Filter cartridge in polyester for TECNO BLOCK MINI	151
1610.15	Filter cartridge in polyester for SISTEM CUBE	150
1610.7	Filter cartridge in polyester for TECNOSTAR units	150
1610.9	Filter cartridge in polyester for Wolly	150
1610.4	Filter cartridge in polyester LT 160	148
1610.5	Filter cartridge, in polyester for MINI TA/TE models	148
1150.3	Fire stop coupling Ø 50	106
1163.2	Fire stop coupling Ø 63	106



ARTICLE	DESCRIPTION	Catalogue PAGE
1180.2	Fire stop coupling Ø 80	106
7037.2	Flexible hose by measure (10 m) Ø 40	139
7037.18	Flexible Hose by measure (18 m) Ø 32	137
7047.0	Floor brush 37 cm	135
7047.2	Floor brush 48 cm Ø 40	139
1455.0N	Floor inlet valve black colour with micro Ø 32 mm	127
1455.2N	Floor inlet valve black colour with micro Ø 40 mm	127
1455.0M	Floor inlet valve brown colour with micro Ø 32 mm	127
1455.2M	Floor inlet valve brown colour with micro Ø 40 mm	127
1455.0A	Floor inlet valve grey colour with micro Ø 32 mm	127
1455.2A	Floor inlet valve grey colour with micro Ø 40 mm	127
1455.0B	Floor inlet valve white colour with micro Ø 32 mm	127
1455.2B	Floor inlet valve white colour with micro Ø 40 mm	127
1450.3E	Floor mounting plate, straight union	117
1450.2	Floor mounting plate aluminium 90° elbow	118
1450.2E	Floor mounting plate aluminium 90° elbow 2"	117
1450.3	Floor mounting plate aluminium, straight union	117
1542.0	Generation inlet mod. ABB Chiara	124
1541.0	Generation inlet mod. ABB Elos	124
1563.2	Generation inlet mod. Ave Banquise Bianca	124
1563.0	Generation inlet mod. Ave Blanc	124
1552.0	Generation inlet mod. Ave Noir	124
1563.1	Generation inlet mod. Ave Ral	124
1566.0	Generation inlet mod. Bticino Axolute Nera	123
1567.0	Generation inlet mod. Bticino Axolute Silver	123
1565.0	Generation inlet mod. Bticino Light Tech	123
1561.0	Generation inlet mod. Bticino Living Int.	123
1562.0	Generation inlet mod. Bticino Living Light	123
1568.0	Generation inlet mod. Bticino Luna Bianca	123
1569.0	Generation inlet mod. Bticino Matix	123
1557.1	Generation inlet mod. Gewiss Chorus black	124
1557.3	Generation inlet mod. Gewiss Chorus titanium	124
1557.1	Generation inlet mod. Gewiss Chorus white	124
1557.0	Generation inlet mod. Gewiss Playbus	124
1551.3	Generation inlet mod. Legrand Vela bianca	127
1551.4	Generation inlet mod. Legrand Vela nera	124
1558.0	Generation inlet mod. Vimar Eikon	123
1553.0	Generation inlet mod. Vimar Idea Nera/Rondò	123
1553.4	Generation inlet mod. Vimar Idea Plana	106
1553.2	Generation inlet mod. Vimar Idea Rondò White	123
1553.5	Generation inlet mod. Vimar Next	123
8080.3	Hose adaptor Ø 63/80	105
7038.1	Hose end handle - Ø 40	139
7040.2	Hose extensions in plastic (pair) Ø 32	137
7048.0	Hose fitting extension Ø 32	137
7041.3	Hose reel trolley Ø 32	141
7041.4	Hose reel trolley Ø 40	141
7037.4	Hose sock 10 m	137
7037.1	Hose sock 7 m	137
7037.4E	Hose with ON/OFF switch 7 m	136
7037.3E	Hose with ON/OFF switch 9 m	136
1456.1	Industrial inlet valve with micro Ø 32 mm	126
1457.1	Inlet valve extension	120
1459.5	Inlet valve with chase box diam 51 mm	126
1010.1	Inspection screw cap in PVC Ø 100	105
1464.6A	Installation kit for plasterboard - Black	119
1464.6G	Installation kit for plasterboard - Silver	119
1464.6B	Installation kit for plasterboard - White	119
7030.01	Installation kit with 1 inlet valve Ø 40 mm	35
7030.01E	Installation kit with 1 square inlet valve Ø 40 mm	35
7030.02	Installation kit with 2 inlet valves Ø 40 mm	35
7030.02E	Installation kit with 2 square inlet valves Ø 40 mm	35

ARTICLE	DESCRIPTION	Catalogue PAGE
7030.3	Installation kit with 3 inlet valves	108
7030.03	Installation kit with 3 inlet valves Ø 40 mm	35
7030.3E	Installation kit with 3 square inlet valves	108
7030.03E	Installation kit with 3 square inlet valves Ø 40 mm	35
7030.4	Installation kit with 4 inlet valves	108
7030.4E	Installation kit with 4 square inlet valves	108
7030.5	Installation kit with 5 inlet valves	108
7030.5E	Installation kit with 5 square inlet valves	108
1450.11	Ivory finishing frame for square inlet valve (pack of 5 pieces)	125
8600.2	Jolly basic set	49
8512.0	Jolly blind box cover	44
8500.0	Jolly box	44
8510.0	Jolly box extension	44
8600.0	Jolly cleaning accessories kit	44
8600.0R	Jolly cleaning accessories kit (with 12 m hose)	44
8900.0	Jolly decorative frame in grained wood	151
8900.1	Jolly decorative frame in light carbon	151
8500.1	Jolly external box	44
8406.0	Jolly protection filter for motor (washable)	151
8510.1	Jolly set - fittings for side discharge	44
8511.0	Jolly set - grates for air discharge	44
8403.0	Jolly spare card	151
8402.0	Jolly spare dust bags (pack of 5)	151
8401.0	Jolly spare motor	151
8710.0	Jolly vacuum unit	43
8720.0	Jolly vacuum unit contact	43
1150.1F	Junction group steel pipe Ø 50 mm	107
1163.1F	Junction group steel pipe Ø 60 mm	107
7033.0	Liquid separator with accessories	140
7041.5	Loose hose reel Ø 32	141
7041.6	Loose hose reel Ø 40	141
7039.22	Lower elbow chrome handle Ø 40	139
7041.1	Mini kit accessory holder for (4 pieces)	138
1611.7	Motor brushes for MEDIA PLUS central units	149
1611.3	Motor brushes for SA050TE central units	149
1611.4	Motor brushes for SA100TE/TA central units	149
1611.11	Motor brushes for SA200/400TE/TA Generation	148
1611.5	Motor brushes for SA200TE/TA central units	149
1611.6	Motor brushes for SA400 TE/TA central units	149
1611.10	Motor brushes for SA50/100/Mini/Med/M.PlusTE/TA Generation	148
1611.15	Motor brushes for Sistem Cube	150
1611.9	Motor brushes for TECNO STAR central units	150
1623.11	Motor for Media Plus TA/TE Generation	148
1613.7	Motor for SA050/OTA	149
1613.11	Motor for MEDIA PLUS central unit	149
1623.7	Motor for Mini/Media/SA50 TA/TE Generation	148
1623.8	Motor for SA100 TA/TE Generation	148
1613.8	Motor for SA100TA/TE	149
1623.9	Motor for SA200 TA/TE Generation	148
1613.9	Motor for SA200TA	149
1623.10	Motor for SA400 TA/TE Generation	148
1613.10	Motor for SA400TA central unit	149
1623.15	Motor for Sistem Cube	150
1613.13	Motor for TECNO STAR	150
1613.14	Motor for Wolly	150
7031.1	On/Off Cleaning accessory kit mod. ELITE (7 m hose)	134
7031.2E	On/Off Cleaning accessory kit mod. ELITE (9 m hose)	134
7032.1	On/Off Cleaning accessory kit mod. STANDARD (7 m hose)	134
7032.2E	On/Off Cleaning accessory kit mod. STANDARD (9 m hose)	134
7040.0	Pair of Ø 32 extension chrome fittings	137
1010.3	Pipe adaptor in PVC Ø 80/100	105
6063.3	Pipe adaptor Ø 50/63	105



ALPHABETIC CONTENTS

ARTICLE	DESCRIPTION	Catalogue PAGE
7039.1	Plastic end handle with pressure switch	137
3301.3	pressure switch for self-cleaning	151
9016.1	Pre-wired conduit 2x1mm ² (100 m)	106
9016.0	Pre-wired conduit 2x1mm ² (50 m)	106
9016.7	Pre-wired conduit 2x1mm ² (25 m)	106
2050.3	PVC Ball valve for manual division Ø 100	106
2050.0	PVC ball valve for manual division Ø 50	106
2050.1	PVC ball valve for manual division Ø 63	106
2050.2	PVC Ball valve for manual division Ø 80	106
5050.1	PVC inspection screw cap Ø 50	105
6063.1	PVC inspection screw cap Ø 63	105
8080.1	PVC inspection screw cap Ø 80	105
1850.0	PVC pipe 2.2 m thick (2 m bars) Ø 50	104
1863.0	PVC pipe 3 mm thick (2 m bars) Ø 63	104
1880.0	PVC pipe 3 mm thick (2 m bars) Ø 80	104
4100.0	PVC pipe cutter Ø 100	144
4163.0	PVC pipe cutter Ø 63	144
1810.0	PVC pipe, 3m thick (2 m bars) Ø 100	104
4010.1	PVC wye 45° female female female Ø 100	104
4050.1	PVC wye 45° female female female Ø 50	104
4063.1	PVC wye 45° female female female Ø 63	104
4080.1	PVC wye 45° female female female Ø 80	104
4010.0	PVC wye 45° male female female Ø 100	104
4050.0	PVC wye 45° male female female Ø 50	104
4063.0	PVC wye 45° male female female Ø 63	104
4080.0	PVC wye 45° male female female Ø 80	104
7046.0	Radiator brush	136
1450.0E	Rectangular monting plate 2" elbow connector	117
1450.0	Rectangular mounting plate 90° elbow connector with plaster guard	116
1450.1	Rectangular mounting plate straight connector with plaster guard	116
1450.1E	Rectangular mounting plate straight connector with plaster guard 2"	117
3301.4	Resistive divider card with 4 inlets	85
040023	Rotating nozzle for dust separator LT 160 with self-cleaning system	153
1450.13	Round mounting plate	118
1450.12	Round mounting plate 90° elbow diam 50 mm	118
5050.5	Screw cap for installation testing	106
110001	Silencer in PVC Ø 50/2"	149
110002	Silencer in PVC Ø 63	150
7100.0	Sistem Case	103
8300.0	Sistem Cube central vacuum unit	31
040016	Solenoid valve for self-cleaning system	151
4163.1	Spare wheel for pipe cutters	144
9500.0	Special glue 500 g without brush	106
9225.1	Special glue 250 g with brush	106
9225.2	Special glue 500 g with brush	106
9225.3	Special glue in a tube 60 g	106
3301.5	Speed modulation circuit board	83
1464.2B	Square inlet valve, aluminium color	125
1464.1B	Square inlet valve, ivory colour	125
1464.0B	Square inlet valve, white colour	125
1450.5E	Square mounting plate 2" straight union	117
1450.4B	Square mounting plate 90° elbow connector with plaster guard	116
1450.4E	Square mounting plate elbow connector 2"	117
1450.5B	Square mounting plate straight union	116
6050.0F	Steel adapter Ø 50/60	107
1400.1	Steel key for floor inlet valves	127
1400.0	Steel key for protected Ave Living inlet valves	127
1450.16	Steel mounting plate for vacpan inlet valve	128
1850.0F	Steel pipe Ø 50 mm	107
1863.0F	Steel pipe Ø 60 mm	107
1110.1	Stop coupling PVC Ø 100	105
1150.1	Stop coupling PVC Ø 50	105

ARTICLE	DESCRIPTION	Catalogue PAGE
1163.1	Stop coupling PVC Ø 63	105
1180.1	Stop coupling PVC Ø 80	105
3301.2	Substitute circuit board for Tecno Block unit	152
4200.2	Table remote control panel, aluminium colour	111
4200.3	Table remote control panel, anthracite colour	111
3115.2MB	TECNOBLOCK MINI QE 1.5 kW 220/240 Volt vacuum unit with self-cleaning	53
4300.0	Template for TA/TE central vacuum units	144
040020	Timer for self-cleaning	151
7037.7	Tube by measure (7 m) Ø 32	137
1614.4	Universal bag and bag tightener, housing line (pz 10)	148
7033.3	Upholstery beater brush	135
7039.21	Upper elbow chrome handle Ø 40	139
1464.5	Vacpan aluminium color	128
1464.3	Vacpan black colour	128
1464.2	Vacpan white colour	128
4001.0	Vacuum gauge for system testing	145
7038.2	Wall end swivel Ø 40	139
7038.0M	Wall end with metal ring	137
4200.6	Wall remote control panel	110
4200.0	Wall remote control panel for central vacuum units	111
4200.7	Wall remote control panel with box	110
1450.10	White finishing frame for square inlet valve (pack of 5 pieces)	125
8200.0	Wolly 150 central unit	37
8200.1	Wolly 150 central unit	37



ARTICLE	DESCRIPTION	Catalogue PAGE
11001	2" metal silencer	153
11002	3" metal silencer	153
11003	4" metal silencer	153
110001	silencer in PVC Ø 50 / 2"	149
110002	silencer in PVC Ø 63	150
0110001	2" check valve for motor connection	153
0110002	4" check valve for motor connection	153
0110003	3" check valve for motor connection	153
040002	220/240 V compressor for self-cleaning	151
040016	Solenoid valve for self-cleaning system	151
040020	Timer for self-cleaning	151
040023	Rotating nozzle for dust separator LT 160 with self-cleaning system	153
060005Q	2.2 kW blowing power unit with 380 Volt control panel	75
060005QE	2.2 kW blowing power unit with 380 Volt electronic board	75
060006Q	4 kW blowing power unit with 380 Volt control panel	75
060006QE	4 kW blowing power unit with 380 Volt with electronic board	75
060008Q	5.5 kW blowing power unit with 380 Volt control panel	75
060008QE	5.5 kW blowing power unit with 380 Volt electronic board	75
060010QE	7.5 kW blowing power unit with 380 Volt electronic board	75
1010.1	Inspection screw cap in PVC Ø 100	105
1010.3	Pipe adaptor in PVC Ø 80/100	105
1110.1	Stop coupling PVC Ø 100	105
1150.1	Stop coupling PVC Ø 50	105
1150.1F	Junction group steel pipe Ø 50 mm	107
1150.3	Fire stop coupling Ø 50	106
1163.1	Stop coupling PVC Ø 63	105
1163.1F	Junction group steel pipe Ø 60 mm	107
1163.2	Fire stop coupling Ø 63	106
1180.1	Stop coupling PVC Ø 80	105
1180.2	Fire stop coupling Ø 80	106
1400.0	Steel key for protected Ave Living inlet valves	127
1400.1	Steel key for floor inlet valves	127
1450.0	Rectangular mounting plate 90° elbow connector with plaster guard	116
1450.0E	Rectangular mounting plate 2" elbow connector	117
1450.1	Rectangular mounting plate straight connector with plaster guard	116
1450.10	White finishing frame for square inlet valve (pack of 5 pieces)	125
1450.11	Ivory finishing frame for square inlet valve (pack of 5 pieces)	125
1450.12	Round mounting plate 90° straight connector	118
1450.13	Round mounting plate elbow diam 50 mm	118
1450.1E	Rectangular mounting plate straight connector with plaster guard 2"	117
1450.2	Floor mounting plate aluminium 90° elbow	118
1450.2E	Floor mounting plate aluminium 90° elbow 2"	117
1450.3	Floor mounting plate aluminium, straight union	117
1450.3E	Floor mounting plate, straight union	117
1450.4B	Square mounting plate 90° elbow connector with plaster guard	116
1450.4E	Square mounting plate elbow connector 2"	117
1450.5B	Square mounting plate straight union	116
1450.5E	Square mounting plate 2" straight union	117
1450.8	Extension kit for universal mounting plate	120
1450.9	Extension kit for square mounting plate	120
1450.16	Steel mounting plate for vacpan inlet valve	128
1450.18	Adapter for square mounting plate	119
1455.0A	Floor inlet valve grey colour with micro Ø 32 mm	127
1455.0B	Floor inlet valve white colour with micro Ø 32 mm	127
1455.0M	Floor inlet valve brown colour with micro Ø 32 mm	127
1455.0N	Floor inlet valve black colour with micro Ø 32 mm	127
1455.2A	Floor inlet valve grey colour with micro Ø 40 mm	127
1455.2B	Floor inlet valve white colour with micro Ø 40 mm	127
1455.2M	Floor inlet valve brown colour with micro Ø 40 mm	127
1455.2N	Floor inlet valve black colour with micro Ø 40 mm	127
1456.1	Industrial inlet valve with micro Ø 32 mm	126
1456.3	External industrial inlet valve with micro Ø 40 mm	126

ARTICLE	DESCRIPTION	Catalogue PAGE
1457.1	Inlet valve extension	120
1459.5	Inlet valve with chase box diam 2" mm	126
1464.0B	Square inlet valve, white colour	125
1464.1B	Square inlet valve, ivory colour	125
1464.2	Vacpan white colour	128
1464.2B	Square inlet valve, aluminium color	125
1464.3	Vacpan black colour	128
1464.5	Vacpan aluminium color	128
1464.6A	Installation kit for plasterboard - Black	119
1464.6B	Installation kit for plasterboard - White	119
1464.6G	Installation kit for plasterboard - Silver	119
1541.0	Generation inlet mod. ABB Elos	124
1542.0	Generation inlet mod. ABB Chiara	124
1551.3	Generation inlet mod. Legrand Vela bianca	127
1551.4	Generation inlet mod. Legrand Vela nera	124
1552.0	Generation inlet mod. Ave Noir	124
1553.0	Generation inlet mod. Vimar Idea Nera/Rondò	123
1553.2	Generation inlet mod. Vimar Idea Rondò White	123
1553.4	Generation inlet mod. Vimar Idea Plana	106
1553.5	Generation inlet mod. Vimar Next	123
1557.0	Generation inlet mod. Gewiss Playbus	124
1557.1	Generation inlet mod. Gewiss Chorus white	124
1557.1	Generation inlet mod. Gewiss Chorus black	124
1557.3	Generation inlet mod. Gewiss Chorus titanium	124
1558.0	Generation inlet mod. Vimar Eikon	123
1561.0	Generation inlet mod. Bticino Living Int.	123
1562.0	Generation inlet mod. Bticino Living Light	123
1563.0	Generation inlet mod. Ave Blanc	124
1563.1	Generation inlet mod. Ave Ral	124
1563.2	Generation inlet mod. Ave Banquise Bianca	124
1565.0	Generation inlet mod. Bticino Light Tech	123
1566.0	Generation inlet mod. Bticino Axolute Nera	123
1567.0	Generation inlet mod. Bticino Axolute Silver	123
1568.0	Generation inlet mod. Bticino Luna Bianca	123
1569.0	Generation inlet mod. Bticino Matix	123
1610.0	Filter cartridge for TE/TA central units	148
1610.1	Filter cartridge in polyester for MINIBLOCK	151
1610.15	Filter cartridge in polyester for SISTEM CUBE	150
1610.2	Filter cartridge in polyester for dust separator LT 80 / Tecno Block Maxi	152
1610.4	Filter cartridge in polyester LT 160	148
1610.5	Filter cartridge, in polyester for MINI TA/TE models	148
1610.7	Filter cartridge in polyester for TECNOSTAR units	150
1610.9	Filter cartridge in polyester for Wolly	150
1611.10	Motor brushes for SA50/100/Mini/Med/M.Plus TE/TA Generation	148
1611.11	Motor brushes for SA200/400TE/TA Generation	148
1611.15	Motor brushes for Sistem Cube	150
1611.3	Motor brushes for SA050TE central units	149
1611.4	Motor brushes for SA100TE/TA central units	149
1611.5	Motor brushes for SA200TE/TA central units	149
1611.6	Motor brushes for SA400 TE/TA central units	149
1611.7	Motor brushes for MEDIA PLUS central units	149
1611.9	Motor brushes for TECNO STAR central units	150
1612.4	Electronic card for TE/TA central units	149
1612.5	Computer circuit board for TECNO Activa central units	148
1612.8	Electronic board for computer	150
1612.9	Electronic card for TECNO STAR spare parts	150
1612.10	Electronic board for computer Wolly - soft start system	150
1613.10	Motor for SA400TA central unit	149
1613.11	Motor for MEDIA PLUS central unit	149
1613.13	Motor for TECNO STAR	150
1613.14	Motor for Wolly	150
1613.7	Motor for SA050/OTA	149



ARTICLES CONTENTS

ARTICLE	DESCRIPTION	Catalogue PAGE
1613.8	Motor for SA100TA/TE	149
1613.9	Motor for SA200TA	149
1614.2	Dust bags for separator LT80 and Tecno Block Mini	150
1614.3	Dust bags for separator LT 160 (pcs. 20)	153
1614.4	Universal bag and bag tightener, housing line (pcs. 10)	148
1614.15	Bags for Sistem Cube	150
1623.10	Motor for SA400 TA/TE Generation	148
1623.11	Motor for Media Plus TA/TE Generation	148
1623.7	Motor for Mini/Media/SA50 TA/TE Generation	148
1623.8	Motor for SA100 TA/TE Generation	148
1623.9	Motor for SA200 TA/TE Generation	148
1623.15	Motor for Sistem Cube	150
1810.0	PVC pipe, 3m thick (2 m bars) Ø 100	104
1850.0	PVC pipe 2.2m thick (2 m bars) Ø 50	104
1850.0F	Steel pipe Ø 50 mm	107
1850.0A	Aluminium alloy pipe (3 m) Ø 50	106
1863.0	PVC pipe 3 mm thick (2 m bars) Ø 63	104
1863.0A	Aluminium alloy pipe (3m) 6060 Ø 63	106
1863.0F	Steel pipe Ø 60 mm	107
1880.0	PVC pipe 3mm thick (2 m bars) Ø 80	104
2050.0	PVC ball valve for manual division Ø 50	106
2050.1	PVC ball valve for manual division Ø 63	106
2050.2	PVC Ball valve for manual division Ø 80	106
2050.3	PVC Ball valve for manual division Ø 100	106
3010.0	45° elbow PVC male female Ø 100	104
3010.1	45° elbow PVC female female Ø 100	104
3050.0	45° elbow PVC male female Ø 50	104
3050.1	45° elbow PVC female female Ø 50	104
3050.0F	Elbow pipe 90° Male/Male Ø 50	107
3050.1F	Elbow pipe 45° Male/Male Ø 50	107
3063.0	45° elbow PVC male female Ø 63	104
3063.0F	Elbow pipe 90° Male/Male Ø 63	107
3063.1	45° elbow PVC female female Ø 63	104
3063.1F	Elbow pipe 45° Male/Male Ø 60	107
3080.0	45° elbow PVC male female Ø 80	104
3080.1	45° elbow PVC female female Ø 80	104
3107.1TA	Central vacuum unit, model MINI/TA Generation for 150 m ²	15
3107.1TE	Central vacuum unit, model MINI/TE Generation for 150 m ²	15
3108.1TA	Central vacuum unit, model MEDIA/TA Generation for 150 m ²	15
3108.1TE	Central vacuum unit, model MEDIA/TE Generation for 150 m ²	15
3109.1TA	Central vacuum unit, model MEDIA PLUS/TA Generation for 250 m ²	15
3109.1TE	Central vacuum unit, model MEDIA PLUS/TE Generation for 250 m ²	15
3110.1TA	Central vacuum unit, model SA050/OTA Generation for 150 m ²	15
3110.1TE	Central vacuum unit, model SA050/OTE Generation for 150 m ²	15
3112.1TA	Central vacuum unit, model SA100TA Generation for 250 m ²	15
3112.1TE	Central vacuum unit, model SA100TE Generation for 250 m ²	15
3113.1TA	Central vacuum unit, model SA200TA Generation for 350 m ²	15
3113.1TE	Central vacuum unit, model SA200TE Generation for 350 m ²	15
3115.0TS	Central vacuum unit, model TECNOSTAR with 2 motors	23
3115.1MB	Central vacuum unit TECNOBLOCK MINI QE 1.5kW, 220/240 Volt	53
3115.1TA	Central vacuum unit, model SA400TA Generation for 450 m ²	15
3115.1TE	Central vacuum unit, model SA400TE Generation for 450 m ²	15
3115.2MB	TECNOBLOCK MINI QE 1.5 kW 220/240 Volt vacuum unit with self-cleaning	53
3200.0	Dust separator LT 80	69
3200.0A	Dust separator LT 80 with self-cleaning	69
3200.0MB	Central vacuum unit TECNOBLOCK 2.2kW, 380 Volt	59
3200.1MB	Central vacuum unit TECNOBLOCK 2.2 kW 220/240 Volt	59
3200.2MB	Central vacuum unit TECNOBLOCK 2.2 kW/QE 220/240 Volt with self-cleaning	59
3200.3MB	Central vacuum unit TECNOBLOCK 2.2 kW 380 Volt with self-cleaning	59
3200.4MB	Central vacuum unit TECNOBLOCK 2.2 kW 380 Volt	59
3200.5MB	Central vacuum unit TECNOBLOCK 2.2 kW 380 Volt with self-cleaning	59
3200.6MB	Central vacuum unit TECNOBLOCK 4 kW 380 Volt	59

ARTICLE	DESCRIPTION	Catalogue PAGE
3200.7MB	Central vacuum unit TECNOBLOCK 4 kW 380 Volt with self-cleaning	59
3200.8MB	Central vacuum unit TECNOBLOCK 4 kW 380 Volt	59
3200.9MB	Central vacuum unit TECNOBLOCK 2.2 kW 380 Volt with self-cleaning	59
3202.1	Dust separator LT 160	69
3202.1A	Dust separator LT 160 with self-cleaning	69
3301.0	Electronic board for 3 motor starter system	83
3301.1	Electronic card for motors with circuit board	152
3301.10	Electronic board for 8 motor starter system	83
3301.2	Substitute circuit board for Tecno Block unit	152
3301.3	Pressure switch for self-cleaning	151
3301.4	Resistive divider card with 4 inlets	85
3301.5	Speed modulation circuit board	83
3301.6	Electronic board for 2 motor starter system	83
3301.7	Electronic card for self-cleaning	83
3301.9	Electronic card for automatic filter cleaning	151
4001.0	Vacuum gauge for system testing	145
4010.0	PVC wye 45° male female female Ø 100	104
4010.1	PVC wye 45° female female female Ø 100	104
4050.0	PVC wye 45° male female female Ø 50	104
4050.0F	Derivation Pipe 45° Male/Male/Male Ø 50	107
4050.1	PVC wye 45° female female female Ø 50	104
4063.0	PVC wye 45° male female female Ø 63	104
4063.0F	Derivation Pipe 45° Male/Male/Male Ø 60	107
4063.1	PVC wye 45° female female female Ø 63	104
4080.0	PVC wye 45° male female female Ø 80	104
4080.1	PVC wye 45° female female female Ø 80	104
4100.0	PVC pipe cutter Ø 100	144
4163.0	PVC pipe cutter Ø 63	144
4163.1	Spare wheel for pipe cutters	144
4200.0	Wall remote control panel for central vacuum units	111
4200.2	Table remote control panel, aluminium colour	111
4200.3	Table remote control panel, anthracite colour	111
4200.6	Wall remote control panel	110
4200.7	Wall remote control panel with box	110
4300.0	Template for TA/TE central vacuum units	144
5050.0	Expansion joint Ø 50	105
5050.1	PVC inspection screw cap Ø 50	105
5050.2	Expansion joint Ø 63	105
5050.4	Exhaust vent Ø 50	105
5050.5	Screw cap for installation testing	106
5063.4	Exhaust vent Ø 63	105
6050.0F	Steel adapter Ø 50/60	107
6063.1	PVC inspection screw cap Ø 63	105
6063.3	Pipe adaptor Ø 50/63	105
7030.0	Cleaning accessory kit mod. MINI	132
7030.01	Installation kit with 1 inlet valve Ø 40 mm	35
7030.02	Installation kit with 2 inlet valves Ø 40 mm	35
7030.03	Installation kit with 3 inlet valves Ø 40 mm	35
7030.01E	Installation kit with 1 square inlet valve Ø 40 mm	35
7030.02E	Installation kit with 2 square inlet valves Ø 40 mm	35
7030.03E	Installation kit with 3 square inlet valves Ø 40 mm	35
7030.3	Installation kit with 3 inlet valves	108
7030.3E	Installation kit with 3 square inlet valves	108
7030.4	Installation kit with 4 inlet valves	108
7030.4E	Installation kit with 4 square inlet valves	108
7030.5	Installation kit with 5 inlet valves	108
7030.5E	Installation kit with 5 square inlet valves	108
7031.0	Cleaning accessory kit mod. ELITE	133
7031.1	On/Off Cleaning accessory kit mod. ELITE (7 m hose)	134
7031.2E	On/Off Cleaning accessory kit mod. ELITE (9 m hose)	134
7031.2	Cleaning accessory kit mod. ELITE (9 m hose)	133
7032.0	Cleaning accessory kit mod. STANDARD	133



ARTICLE	DESCRIPTION	Catalogue PAGE
7032.1	On/Off Cleaning accessory kit mod. STANDARD (7 m hose)	134
7032.2	Cleaning accessory kit mod. STANDARD (9 m hose)	133
7032.2E	On/Off Cleaning accessory kit mod. STANDARD (9 m hose)	134
7032.3	Accessory kit for oven	139
7032.4	Cleaning accessory kit mod. BASIC with 7 m pipe	132
7033.0	Liquid separator with accessories	140
7033.1	Brush for liquids with rubber spatulas 30 cm	136
7033.2	Brush for pipes and balks	136
7033.3	Upholstery beater brush	135
7033.7	Ash separator in metal	140
7033.8	Brush for liquids Ø 40	139
7034.0	Carpet beater brush	135
7034.1	Carpet beater brush with 12 V battery	135
7034.2	12 V battery for carpet beater brush	135
7034.3	Battery charger for carpet beater brush	135
7035.0	Felt head for wooden flooring	135
7036.0	Dual purpose brush	135
7037.1	Hose sock 7 m	137
7037.18	Flexible Hose by measure (18 m) Ø 32	137
7037.2	Flexible hose by measure (10 m) Ø 40	139
7037.3E	Hose with ON/OFF switch 9 m	136
7037.4	Hose sock 10 m	137
7037.4E	Hose with ON/OFF switch 7 m	136
7037.7	Tube by measure (7 m) Ø 32	137
7038.0M	Wall end with metal ring	137
7038.1	hose end handle - Ø 40	139
7038.2	Wall end swivel Ø 40	139
7039.0	Chrome metal end handle with pressure switch Ø 32	137
7039.1	Plastic end handle with pressure switch	137
7039.21	Upper elbow chrome handle Ø 40	139
7039.22	Lower elbow chrome handle Ø 40	139
7040.0	pair of Ø 32 extension chrome fittings	137
7040.1	chrome telescopic extension Ø 32	137
7040.2	Hose extensions in plastic (pair) Ø 32	137
7041.0	Accessory holder (10 pieces)	138
7041.1	Mini kit accessory holder (4 pieces)	138
7041.2	Accessory trolley	138
7041.3	Hose reel trolley Ø 32	141
7041.4	Hose reel trolley Ø 40	141
7041.5	Loose hose reel Ø 32	141
7041.6	Loose hose reel Ø 40	141
7042.0	Clothes brush with bristles	135
7043.0	Dust brush with bristles	136
7044.0	Brush for mattresses and upholstery	136
7045.0	Crevice tool	136
7046.0	Radiator brush	136
7047.0	Floor brush 37 cm	135
7047.1	Brush floor 30 cm	135
7047.2	Floor brush 48cm Ø 40	139
7047.3	Dust brush 48 cm Ø 40	139
7047.4	Crevice tool Ø 40	139
7048.0	Hose fitting extension Ø 32	137
7049.0	Brush for animals	136
7100.0	Sistem Case	103
7100.1	Case Cover for Mini unit	103
7100.2	Case Cover for Media unit	103
8080.1	PVC inspection screw cap Ø 80	105
8080.3	Hose adaptor Ø 63/80	105
8200.0	Wolly 150 central unit	37
8200.1	Wolly 150 central unit	37
8220.0	Bags for Wolly	150
8300.0	Sistem Cube central vacuum unit	31

ARTICLE	DESCRIPTION	Catalogue PAGE
8401.0	Jolly spare motor	151
8402.0	Jolly spare dust bags (pack of 5)	151
8403.0	Jolly spare card	151
8406.0	Jolly protection filter for washable motor	151
8500.0	Jolly box	44
8500.1	Jolly external box	44
8510.0	Jolly box extension	44
8510.1	Jolly set - fittings for side discharge	44
8511.0	Jolly set - grates for air discharge	44
8512.0	Jolly blind box cover	44
8600.0	Jolly cleaning accessories kit	44
8600.0R	Jolly cleaning accessories kit (with 12 m hose)	44
8600.2	Jolly basic set	49
8710.0	Jolly vacuum unit	43
8720.0	Jolly vacuum unit contact	43
8900.0	Jolly decorative frame in grained wood	151
8900.1	Jolly decorative frame in light carbon	151
9016.0	Pre-wired conduit 2x1mm ² (50 m)	106
9016.1	Pre-wired conduit 2x1mm ² (100 m)	106
9016.7	Pre-wired conduit 2x1mm ² (25 m)	106
9225.1	Special glue 250 g with brush	106
9225.2	Special glue 500 g with brush	106
9225.3	Special glue in a tube 60 g	106
9500.0	Special glue 500 g without brush	106



Homologation:



Label showing compliance with EU Directives.



Quality label. Confirms that the product was homologated by the Italian Institute for the Quality Label. (IMQ)



Quality label. Confirms that the product has been homologated by the American certification body. (NOTE: only for central unit, Model SA100TA 110V).

IP insulation level

Insulation level of the apparatus against solid parts and liquid from outside.

IP 20

IP 20: Apparatus protected against solid parts larger than 12mm but not protected against the infiltration of water.

IP 44

IP 44: Apparatus protected against solid parts larger than 1mm and protected against water sprays (water sprayed on the covering from any direction should not cause damage).

IP X4

IP X4: Apparatus protected against water sprays (water sprayed on the covering from any direction should not cause damage).

Level of electric insulation



CLASSE I: Apparatus with fundamental electric insulation. It should be connected to the earth circuit on the main electric power.



CLASSE II: Apparatus with dual electric insulation. It does not need to be connected to the earth circuit of the main electric power.

Compliance with harmonised regulations:

DOMESTIC SECTOR

Serie JOLLY

Apparatus complies with the following regulations:

- EN 60335-2-2:1995 + A1:1998 + A2:2000
- EN 61000-3-2:2000
- EN 61000-3-3:1995 + A1:2001
- EN 55014-1:2000 + A1:2001 + A2:2002
- EN 55014-2:1997 + A1:2001

Series TA/TE

Apparatus complies with the following regulations:

- EN 60335-2-2: 2003 + A1: 2004 + A2: 2006
- EN 60335 - 1: 2002 + A11:2004 + A1: 2004 + A12: 2006 + A2: 2006
- EN 50366: 2003 + A1: 2006

Series TECNOSTAR

Apparatus complies with the following regulations:

- 98/37/CEE -Machine directives (former 89/392/CEE) (and later changes)
- 73/23/CEE -Low Voltage Directive (and later changes)
- 89/336/CEE -Electromagnetic compatibility directive (and later changes)

Series Sistem Cube

Apparatus complies with the following regulations:

- EN 60335-2-2: 2003 + A1: 2004 + A2: 2006
- EN 60335 - 1: 2002 + A11:2004 + A1: 2004 + A12: 2006 + A2: 2006
- EN 50366: 2003 + A1: 2006

PROFESSIONAL SECTOR : Series TECNO Block Mini / Maxi

Apparatus complies with the following regulations:

- 98/37/CEE -Machine directives (former 89/392/CEE) (and later changes)
- 73/23/CEE -Low Voltage Directive (and later changes)
- 89/336/CEE -Electromagnetic compatibility directive (and later changes)

INDUSTRIAL SECTOR

Apparatus complies with the following regulations:

- 98/37/CEE -Machine directives (former 89/392/CEE) (and later changes)
- 73/23/CEE -Low Voltage Directive (and later changes)
- 89/336/CEE -Electromagnetic compatibility directive (and later changes)

N.B.: As far as the installation stage is concerned, stick rigidly to what is laid down in current legislation.

N.B.: All measures are indicated in mm.

www.sistemair.it



I - 27020 Gravellona Lomellina (PV) ITALIA - Via Cilavegna, 53
Tel. +39 0381 650082 - Fax +39 0381 650120 - info@sistemair.it