

ADVANCE

Advance Series

Domestic

High Airwatt and quiet central vacuum unit, display remote that it's easy to control. Elegend design and top qualit on the market...



ADVANCE

Advance are the most innovative centralized vacuum units for domestic use.

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

■ INSTALLATION AREA

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

- Surfaces between 300 and 500 m²
- Suitable for 1 user
- Pipe network Ø 50 mm/Ø 2"
- 220/240 Vac supply
- Non-continuous use for household dust vacuum
- Air exhaust to the outside
- Can be installed in utility rooms, service rooms, basements and balconies protected from bad weather.

■ ADVANCE SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Recommended vacuum inlets	Number of users
Advance 300	300 m ²	111701	8	1
Advance 500	500 m ²	111702	18	1
Advance 600	800 m ²	111703	24	1



■ MAIN FEATURES OF THE PRODUCT



Interchange system for filtration options



CE marking



Integrated inlet



IP protection degree



Maintenance Computer



Isolation class 1



Energy saving vacuum unit



Max number of users



Soft Start device

TECHNICAL FEATURES

1 - Interchange system, filtration options

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

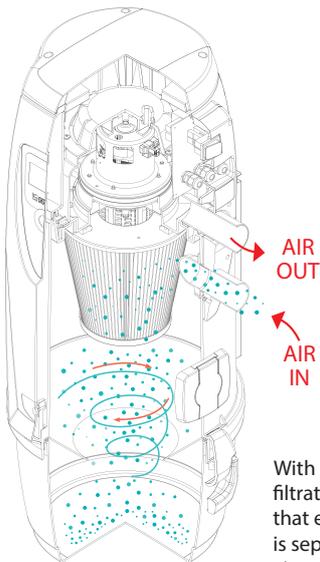
OPTION 1

Interchange

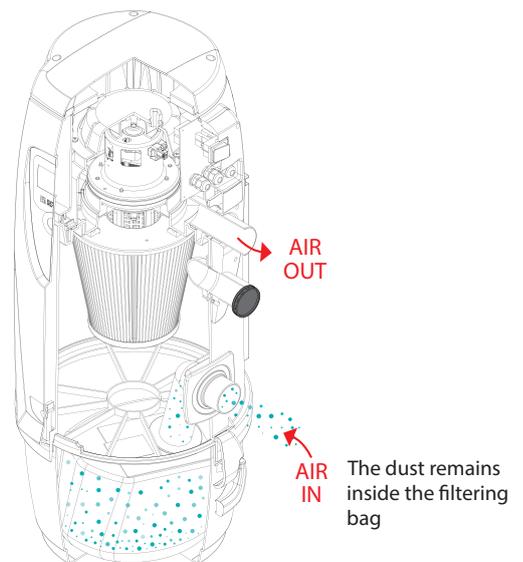
OPTION 2

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

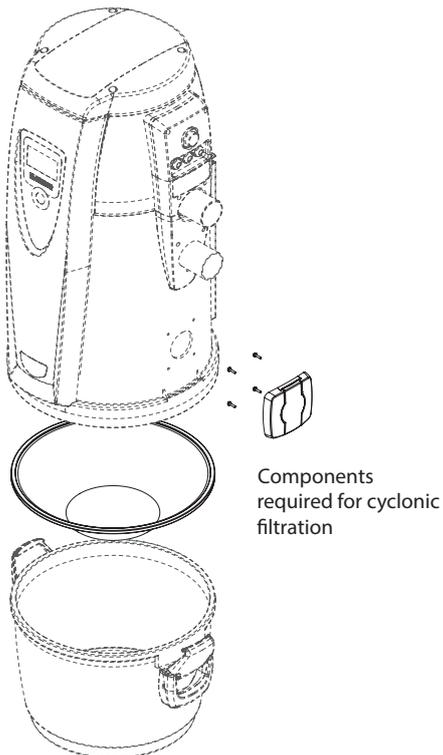
BAG FILTRATION SYSTEM, WITH MICROFIBER BAG The high filtration degree removes the need for filter cleaning. Once the bag is full, it is easily replaced.



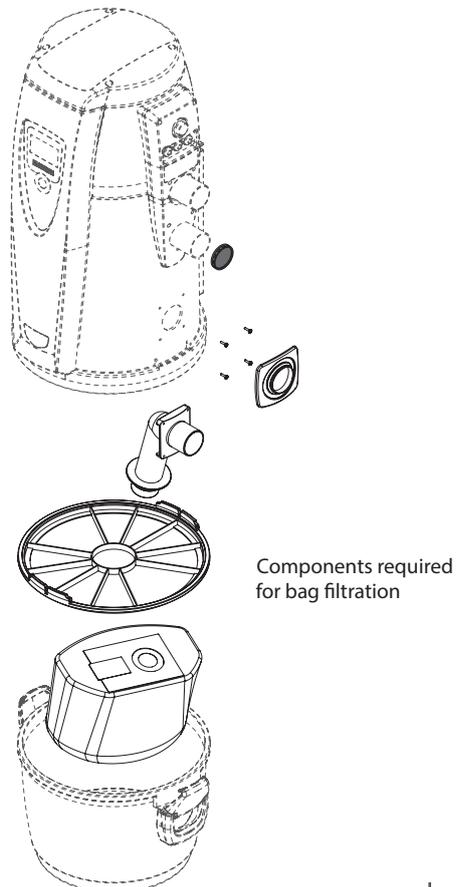
With cyclonic filtration, all dust that enters the unit is separated from air and falls into the dust bin.



The dust remains inside the filtering bag



Components required for cyclonic filtration



Components required for bag filtration

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2 - Integral service inlet

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

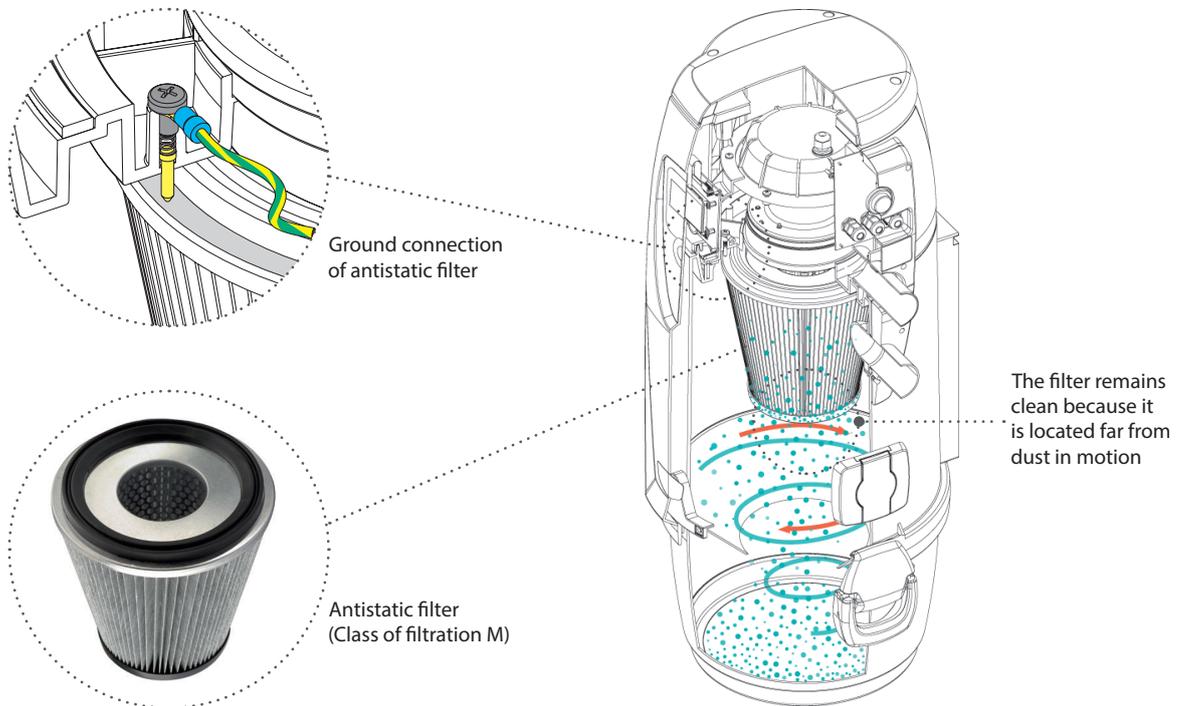


To enable service inlet use, just insert the vacuum hose inside it, without a micro-switch connection.



3 - Low-maintenance filter

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



5 - Energy saving

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



4 - Smart management software with new touch graphic 5" display

The Advance vacuum unit has a new control board for maintenance management, with an electronic third-generation microprocessor, connected to pressure detectors and set up to interact simply with the user.

Maintenance can be customized by the user, who can read the display panel messages of the vacuum unit conditions and the procedures to follow in case of malfunction.

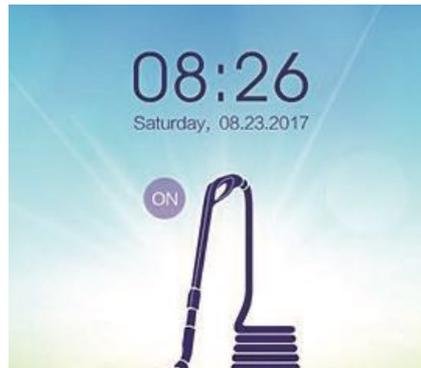
The sensor gives the current condition of the vacuum unit.

During the initial installation, it is necessary to set up the data for the warranty activation.

It is possible to maintain the producer settings, or customize them according to personal needs (following the instructions in the technical manual). It is then possible to insert the assistance contact phone numbers.

The vacuum unit measures:

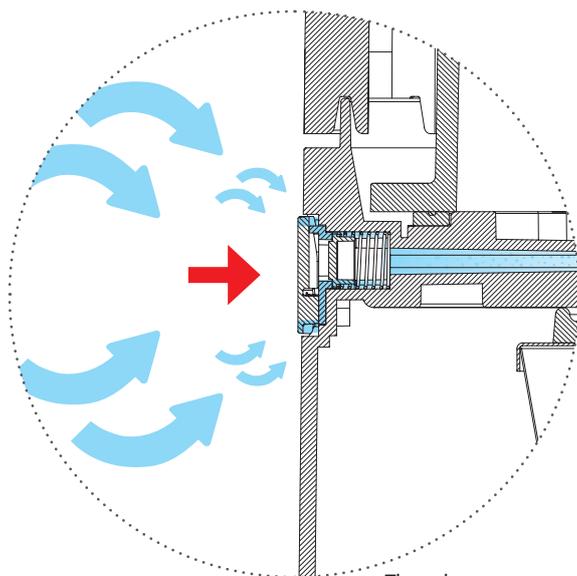
- Time and date
- Pressure of Vacuum
- if the dust bin is full (cyclonic filtration)
- power on/off
- hours of work
- hours of power on
- electrical consumption



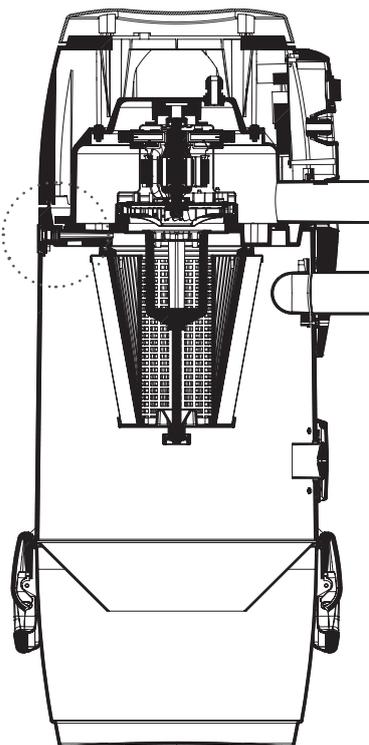
6 - Breaker valve

On Advance vacuum units there is a breaker valve that allows air to enter inside the motor when the air inlet is closed, to avoid motor operation in critical conditions.

The automatic cut-in facilitates the work of the thermal protection.

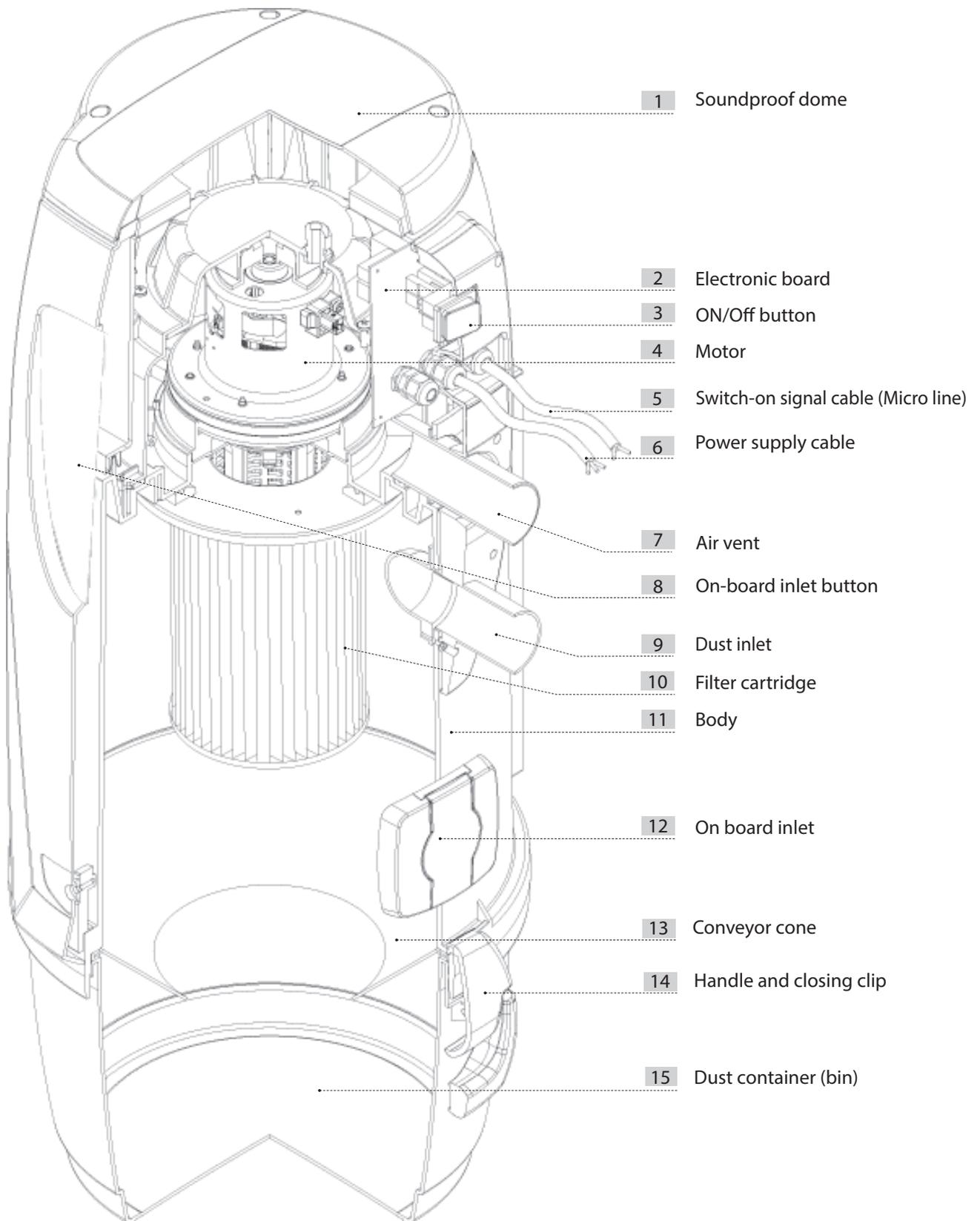


The valve opens automatically and facilitates airflow to the motor.



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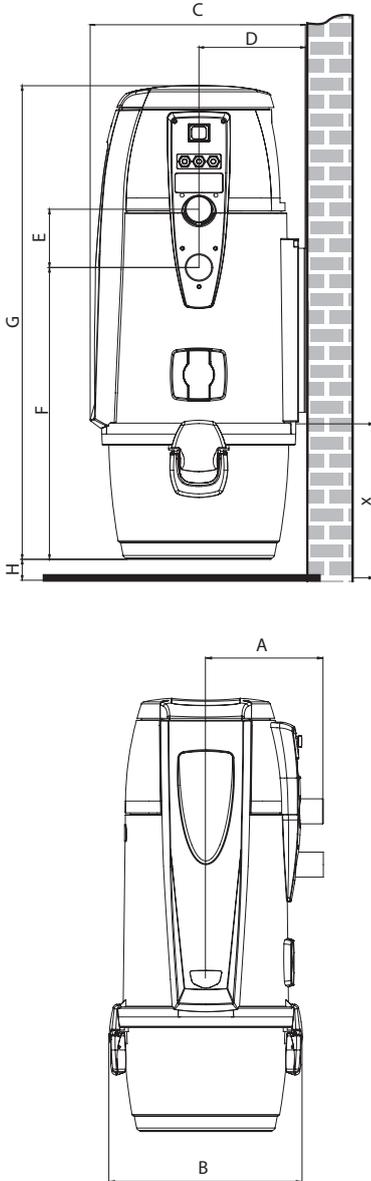
■ Advance SECTION



MEASUREMENTS AND TECHNICAL DATA

Domestic vacuum units can be used by 1 user.

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



		Advance		
		Advance 300	Advance 500	Advance 600
Model				
Article		111701	111702	111703
Computer maintenance		YES	YES	YES
Air inlet/air discharge	Ø mm	50	50	50
Protection degree	IP	44	44	44
Supply	V ac	220/240	220/240	220/240
Frequency	Hz	50/60	50/60	50/60
Motor power	KW	1,7	2,0	2,2
Absorption	A	7,6	9,8	10,2
Vacuum inlets supply	V dc	12	12	12
Maximum air flow	m ³ /h	245	260	275
Depression Max	mbar	325	350	360
Airwatt		615	700	720
Filtering surface	cm ²	7800	7800	7800
Dust container capacity	l	30	30	30
Bag capacity	l	20	20	20
Air vent		YES	YES	YES
Air discharge silencer (Ø 50 mm)		YES	YES	YES
Weight	kg	17	18	18
Measurement A	mm	230	230	230
Measurement B	mm	370	370	370
Measurement C	mm	380	380	380
Measurement D	mm	185	185	185
Measurement E	mm	108	108	108
Measurement F	mm	585	585	585
Measurement G	mm	915	915	915
Measurement H (min.)	mm	100	100	100
Measurement X (min.)	mm	500	500	500
Noise level lower than	dB(A)	60	61	62

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

CERTIFICATIONS

Marking

Protection degree

Electrical insulation
CLASS I

Advance Line – device in compliance with the following standards:

EC DIRECTIVES:

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

APPLIED HARMONISED STANDARDS:

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

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

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

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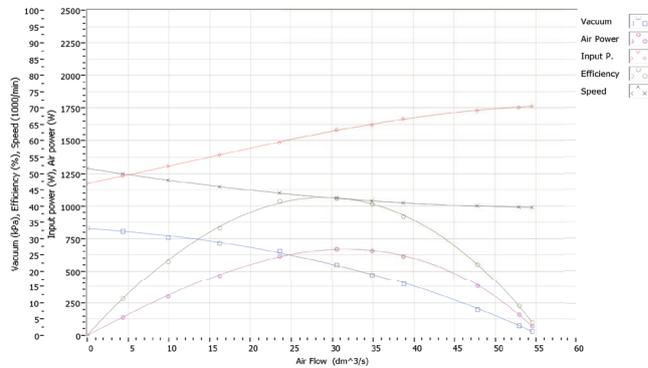
TECHNICAL FEATURES

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

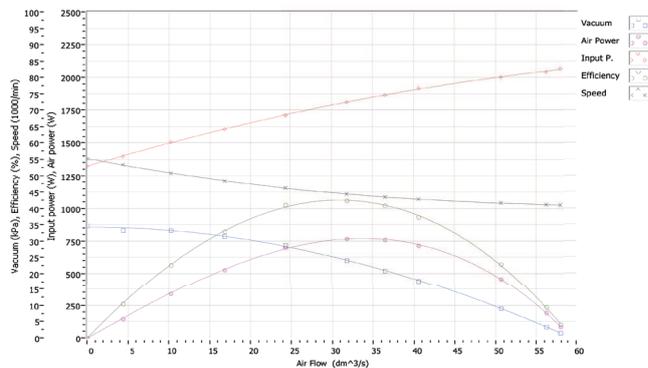
Main technical characteristics can be listed as follows:

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

PERFORMANCE GRAPHS



Advance 300



Advance 500

INSTALLATION HINTS

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

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

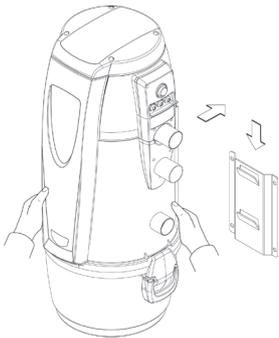
Where the system is a multi floor installation, we recommend installing the vacuum unit on the bottom floor.

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

FISSAGGIO DELLA CENTRALE

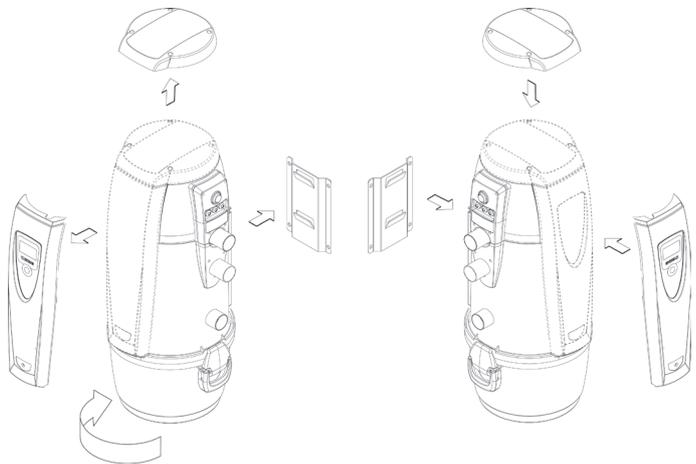
Le centrali vengono appese a una staffa di sostegno presente nella dotazione della centrale stessa. Quest'ultima deve essere fissata in modo stabile e permanente alla parete mediante l'uso di adeguati tasselli, considerando che il peso complessivo da sostenere può arrivare ad essere notevolmente maggiore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

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



REVERSIBILITÀ COLLEGAMENTI

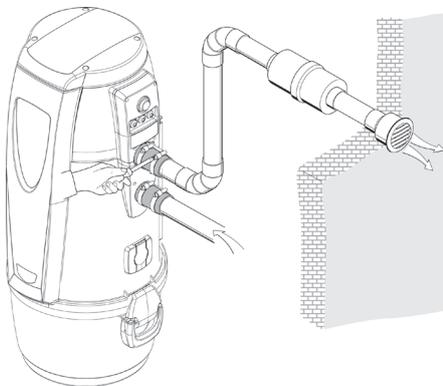
Tutte le centrali Advance sono predisposte per **essere collegate alla rete tubiera sia a destra che a sinistra.** La trasformazione è semplice e veloce.



PIPE CONNECTION

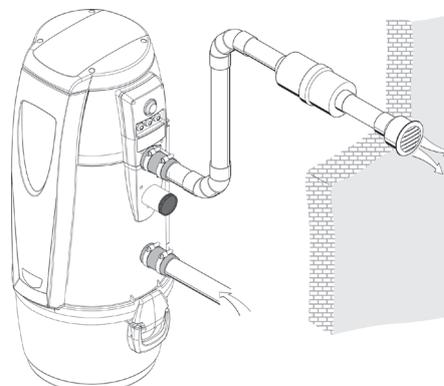
The Advance vacuum units are supplied with silencer Ø 50 mm, sleeves and hose clamps for pipe connection.

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



A Installation with cyclonic filtration

Connect the central unit to the piping system using the standard connections supplied by the manufacturer.



B Installation with bag filtration

Connect the vacuum unit to the pipe network. With this installation, the connection to the inlet pipe is made with the additional connection provided.