



DEPURECO  
INDUSTRIAL VACUUMS

DEPURECO  
DN AIR 800

# CENTRALIZED VACUUM SYSTEMS

**IF YOU HAVE A JOB TO DO  
WE HAVE THE VACUUM  
BUILT FOR IT**



# CENTRALIZED VACUUM SYSTEMS

## PUMA FIX



### PRODUCT DESCRIPTION

PUMA FIX mounts a double-stage side channel blower in parallel with high air flow. The tangential inlet together with the robust cyclone welded inside the filtration chamber, guarantee excellent efficiency even with the finest powders. The cleaning operations are totally autonomous and the involvement of the operator is not necessary. Depureco's PUMA FIX industrial vacuum cleaner is equipped with a practical and sturdy 175 Lt container, equipped with a release system that allows you to collect the vacuumed material and dispose of it with ease.

### OPTIONS

- HEPA**  
Absolute H14 filter  
0,18  $\mu$   
110.000 cm<sup>2</sup>
- E.P. WITH DISPLAY**  
Management and monitoring software with touch screen panel
- INVERTER**  
Automatic suction speed management system for multi-operator systems

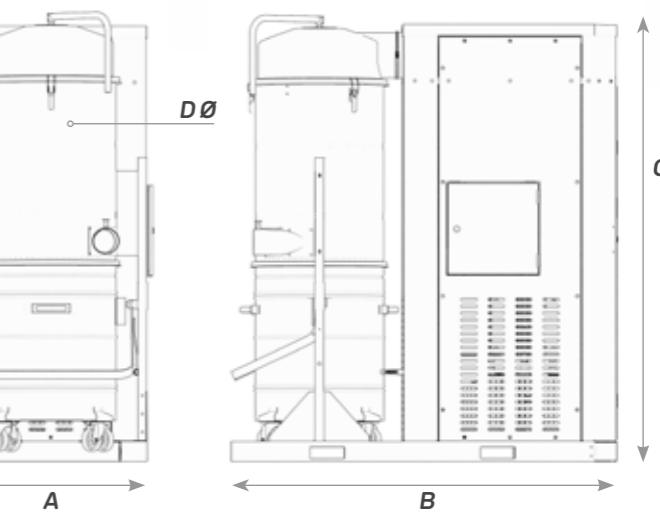


## TECHNICAL DATA

Power KW - HP	Voltage/ Frequency V - HZ	Airflow m <sup>3</sup> /h		MAX vacuum mBar		Vacuum in continuous mBar		Filter system cm <sup>2</sup> <b>SP</b>	Filter cm <sup>2</sup> <b>HEPA*</b>	Noise level dB [A]	Deep mm <b>A</b>	Length mm <b>B</b>	Height mm <b>C</b>	Chamber diameter mm <b>D Ø</b>	
		std	Ex	std	Ex	std	Ex								
<b>PUMA FIX</b>															
10	7.5 - 10	400 - 50/60	730	700	360	310	260	280	120.000	110.000	74	841	1700	1968	570
15 P	11 - 15	400 - 50/60	950	920	350	390	300	300	120.000	110.000	74	841	1700	1968	570
15 S	11 - 15	400 - 50/60	550	-	480	-	440	-	120.000	110.000	74	841	1700	1968	570
18	12.5 - 18	400 - 50/60	1120	-	420	-	290	-	120.000	110.000	74	841	1700	1968	570
18 S	12.5 - 18	400 - 50/60	500	-	600	-	530	-	120.000	110.000	74	841	1700	1968	570
20	15 - 20	400 - 50/60	950	920	450	420	350	350	120.000	110.000	74	841	1700	1968	570
25	18.5 - 25	400 - 50/60	1380	1350	440	350	320	270	120.000	110.000	74	841	1700	1968	570

SIDE CHANNEL BLOWER CERTIFIED ATEX

\* Optional HEPA filter for all models



# CENTRALIZED VACUUM SYSTEMS

HF



## PRODUCT DESCRIPTION

The HF industrial vacuum cleaner is a model designed for the creation of centralized multi-operator systems, even large ones or for the transport of material from one place to another. The very powerful turbine is installed in the rear part of the aspirator protected by a sheet metal cover which also reduces the noise level. The front cylindrical chamber houses a large surface filtration system with automatic filter cleaning system. Specifically, there are 4 independent cartridges in category M antistatic polyester, capable of retaining dust up to 1 micron in particle size.

## OPTIONS



**SP**  
Automatic reverse jet cleaning system



**INVERTER**  
Automatic suction speed management system for multi-operator systems.



**HEPA**  
Absolute H14 filter  
0.18  $\mu$   
28.000/  
110.000



**E.P. WITH DISPLAY**  
Management and monitoring software with touch screen panel.



## TECHNICAL DATA

Power KW - HP	Voltage/ Frequency V - HZ	Air flow		MAX vacuum		Vacuum in continuous			Filter system		Filter cm <sup>2</sup>	Noise level dB (A)
		std	Ex	std	Ex	std	Ex	std	PSC	SP <sup>**</sup>		
HF 5.5	4 - 5.5	400 - 50/60	320	450	430	310	360	230	24.000	90.000	28.000	73
HF 7.5	4 - 5.5	400 - 50/60	-	550	-	270	-	240	-	90.000	28.000	74
HF 10	7.5 - 10	400 - 50/60	730	700	360	310	260	280	45.000	120.000	110.000	74
HF 15 P	11 - 15	400 - 50/60	950	920	350	390	300	300	45.000	120.000	110.000	74
HF 15 S	11 - 15	400 - 50/60	550	-	480	-	440	-	45.000	120.000	110.000	74
HF 18	12.5 - 18	400 - 50/60	1120	-	420	-	290	-	45.000	120.000	110.000	74
HF 20	15 - 20	400 - 50/60	-	920	-	420	-	350	-	120.000	110.000	74
HF 25	18.5 - 25	400 - 50/60	-	1350	-	350	-	270	-	120.000	110.000	74
HF 30 P	22 - 30	400 - 50/60	1770	1985	320	240	275	200	110.000	180.000	110.000	78
HF 30 S	20 - 28	400 - 50/60	1100	1100	600	550	460	425	110.000	180.000	110.000	78
HF 35 P	25 - 34	400 - 50/60	2100	-	450	-	320	-	110.000	180.000	110.000	78
HF 35 S	25 - 34	400 - 50/60	1130	-	550	-	445	-	110.000	180.000	110.000	78
HF 300	3 - 4	400 - 50/60	420	310	270	24.000	90.000	28.000	74	1370	680	1952

SIDE CHANNEL BLOWER CERTIFIED ATEX

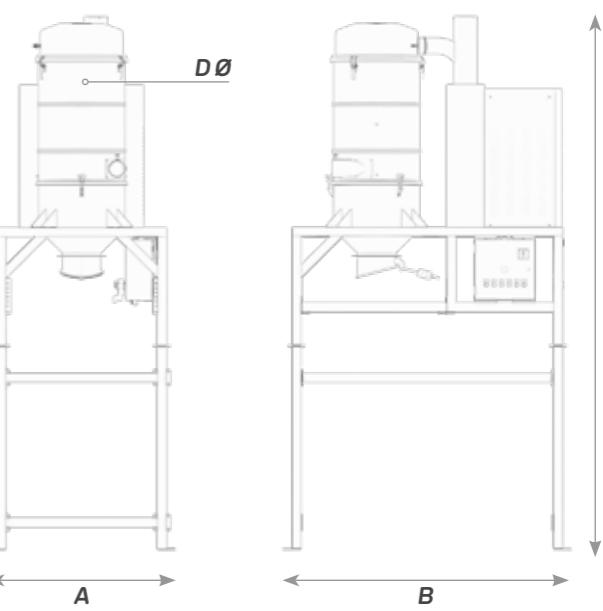
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<sup>\*</sup> Optional HEPA filter for all models  
<sup>\*\*</sup> SP optional for standard HF, standard on the ATEX version



<sup>\*</sup> Discharge system not included

Deep mm <b>A</b>	Length mm <b>B</b>	Height mm <b>C</b>	Chamber diameter mm <b>DØ</b>
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	550
1240	1910	3488	800
1240	1910	3488	800
1240	1910	3488	800
1240	1910	3488	800
1370	680	1952	550



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# CENTRALIZED VACUUM SYSTEMS

## CVS



### PRODUCT DESCRIPTION

The CVS [Central Vacuum System] is the unit that generates the vacuum inside the centralized system. Based on the necessary performance, therefore, the type of material, the distance of the pipes, the contemporaneity of the suction vents, the unit is sized according to the customer's needs. Depureco CVS are modular and allow you to install many vacuum pumps in order to always guarantee the best performance for each system.

### OPTIONS



#### HEPA

Absolute H14 filter  
0,18 µ  
28.000/  
110.000



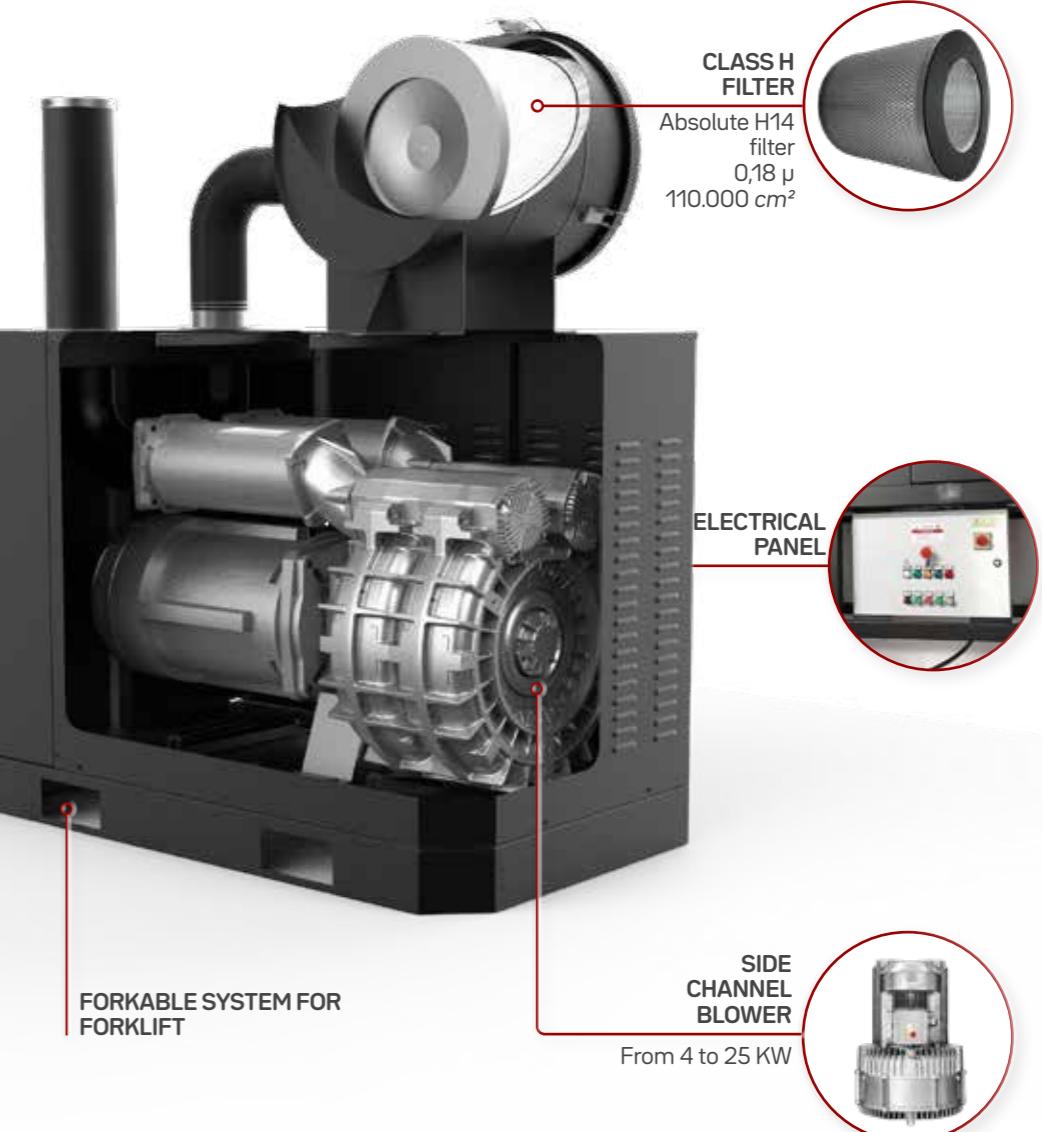
#### E.P. WITH DISPLAY

Management and monitoring software with touch screen panel.



#### INVERTER

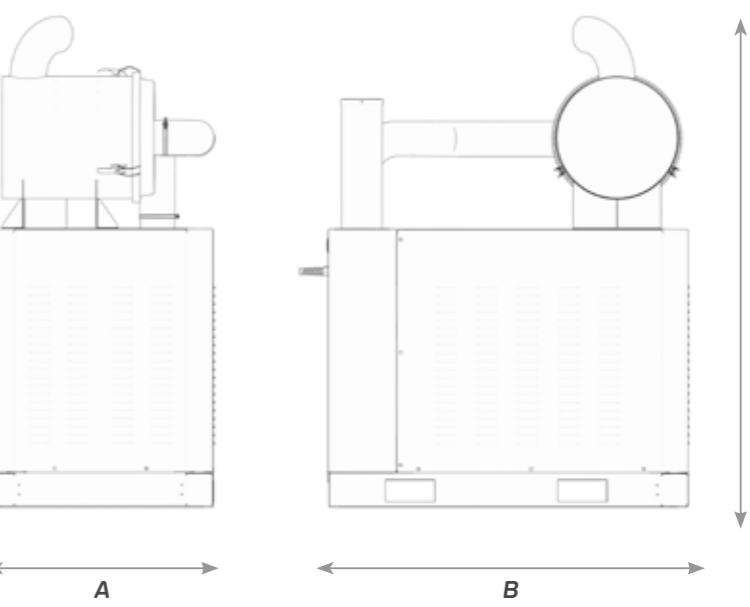
Automatic suction speed management system for multi-operator systems.



## TECHNICAL DATA

Power KW - HP	Voltage/ Frequency V - HZ	Air flow m³/h	MAX vacuum		Vacuum in continuous		Filter cm² HEPA*	Noise level dB [A]	Deep mm <b>A</b>	Length mm <b>B</b>	Height mm <b>C</b>					
			mBar		mBar											
			std	Ex	std	Ex										
CVS 40 P	4 - 5.5	400 - 50/60	530	450	250	310	160	230	28.000	73	821	1319	1794			
CVS 40 S	4 - 5.5	400 - 50/60	330	-	430	-	360	-	28.000	74	821	1319	1794			
CVS 55 P	5.5 - 7.5	400 - 50/60	530	550	330	270	260	240	110.000	74	821	1319	1794			
CVS 55 S	5.5 - 7.5	400 - 50/60	330	-	510	-	440	-	110.000	74	821	1319	1794			
CVS 75	7.5 - 10	400 - 50/60	730	700	360	310	260	280	110.000	74	821	1319	1794			
CVS 110 P	11 - 15	400 - 50/60	950	920	350	390	300	300	110.000	74	821	1319	1794			
CVS 110 S	11 - 15	400 - 50/60	550	-	480	-	440	-	110.000	74	821	1319	1794			
CVS 125 P	12.5 - 18.5	400 - 50/60	1120	-	420	-	290	-	110.000	74	821	1319	1794			
CVS 125 S	12.5 - 18.5	400 - 50/60	720	-	600	-	530	-	110.000	78	821	1319	1794			
CVS 150	15 - 20	400 - 50/60	950	920	450	420	350	350	110.000	78	821	1319	1794			
CVS 185	18,5 - 25	400 - 50/60	1380	1350	440	350	320	270	110.000	78	821	1319	1794			
CVS 200 P	22 - 30	400 - 50/60	1770	1985	320	240	275	200	110.000	78	821	1319	1794			
CVS 200 S	20 - 28	400 - 50/60	1100	1180	600	550	460	380	110.000	78	821	1319	1794			
CVS 250	25 - 34	400 - 50/60	2100	-	450	-	320	-	110.000	78	821	1319	1794			

 SIDE CHANNEL BLOWER CERTIFIED ATEX



# CENTRALIZED VACUUM SYSTEMS

## DV-AIR 800



### PRODUCT DESCRIPTION

DV-AIR 800 is the filter unit for centralized systems, medium and large, where there are quantities of important material or the presence of difficult to filter dust. Thanks to its flexibility and the filtration system using antistatic polyester cartridges, with the possibility of using PPL protective socks, it allows to treat a wide range of pollutants even in the presence of high temperatures and humidity, guaranteeing efficiency and cleanliness of the production lines, the air quality of the production environment and the protection of those who work.

### OPTIONS



#### FILTER PROTECTION SLEEVE

Optional sleeve for seeds and granulates.



#### HEPA

Absolute H14 filter  
0,18  $\mu$   
110.000 cm<sup>2</sup>

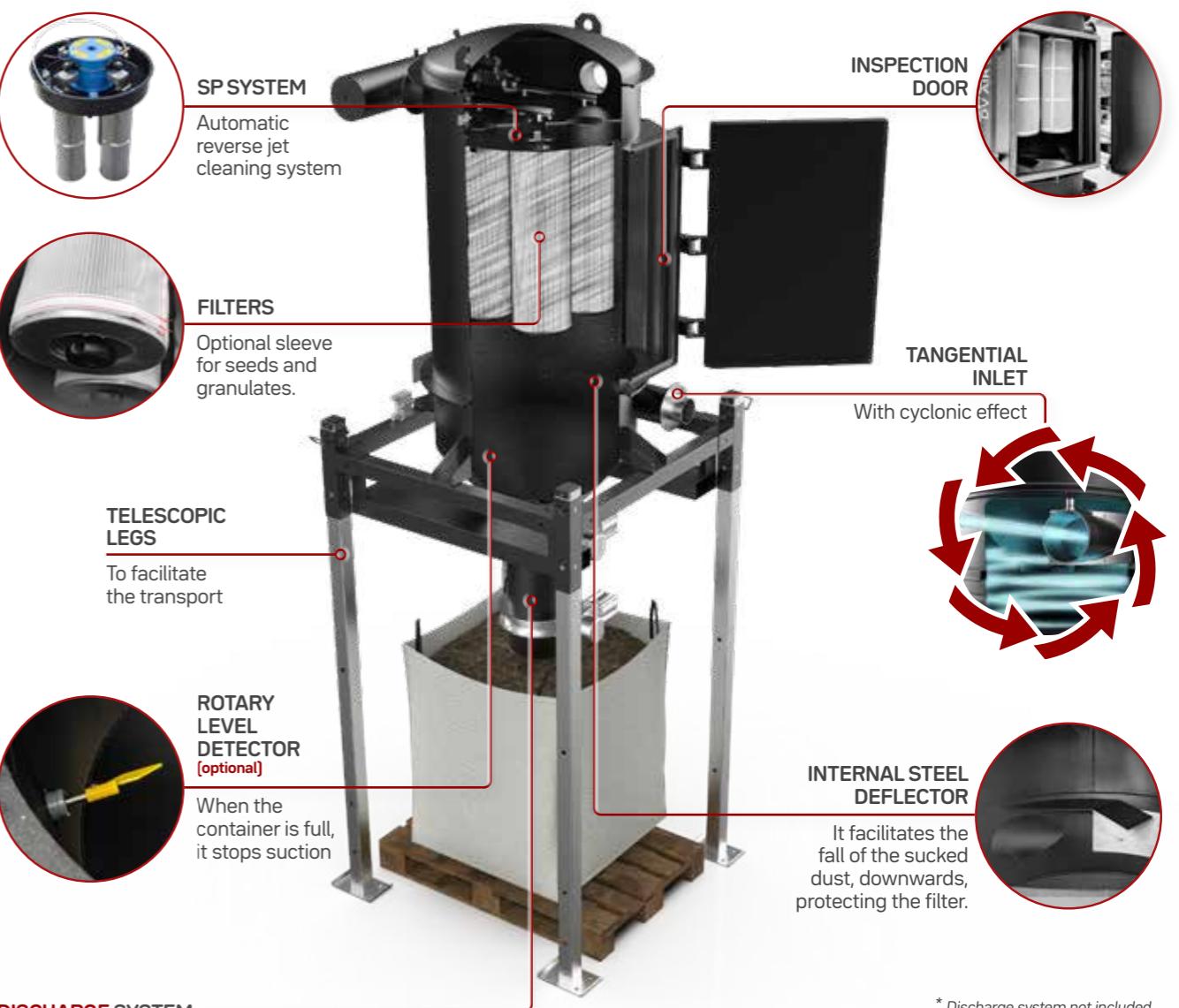


#### LEVEL CONTROL

Rotatory level detector



PTFE FILTER  
Teflon filter cartridge.



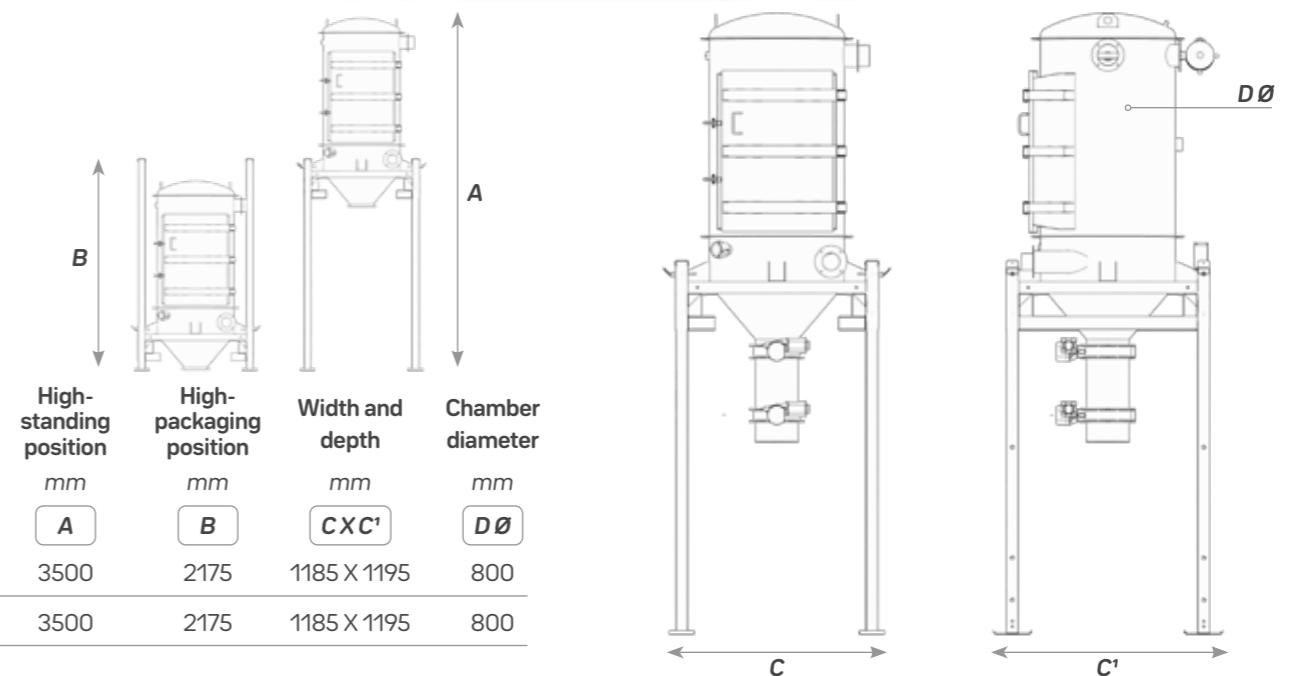
\* Discharge system not included



### TECHNICAL DATA

	Air tank volume Lt	Valve N°	Cartridges N°/mm	Surface area cm <sup>2</sup>	Media	Weight kg
DV AIR 800	16	2 x 1"	4   240 x 700	340.000	Polyester	380
DV AIR 800 ATEX Z22 II3D	16	2 x 1"	4   240 x 700*	340.000	Antistatic polyester	380

\* With protective sock





### PRODUCT DESCRIPTION

DV-AIR Flow is the high air flow filter unit par excellence useful for centralized systems, for dusts, even very fine ones. With DV-AIR it is possible to operate in several points of the production process at the same time, with different collection points. Inside the filter there are 4 large surface filter cartridges in antistatic polyester (340,000 cm<sup>2</sup>), certified in class M with a filtration efficiency of 1 micron, to suck up electrostatically charged dust in total safety. The four cartridges can be coated with a protective sock, so as to protect the filters during the aspiration of solid and/or granular parts. A side window allows you to perform maintenance on the filters with extreme simplicity. The DV AIR unit can be equipped with various automatic pneumatic discharging systems to maximize productivity and facilitate discharge into Big-bags.

### OPTIONS



**FILTER PROTECTION SLEEVE**  
Optional sleeve for seeds and granulates.



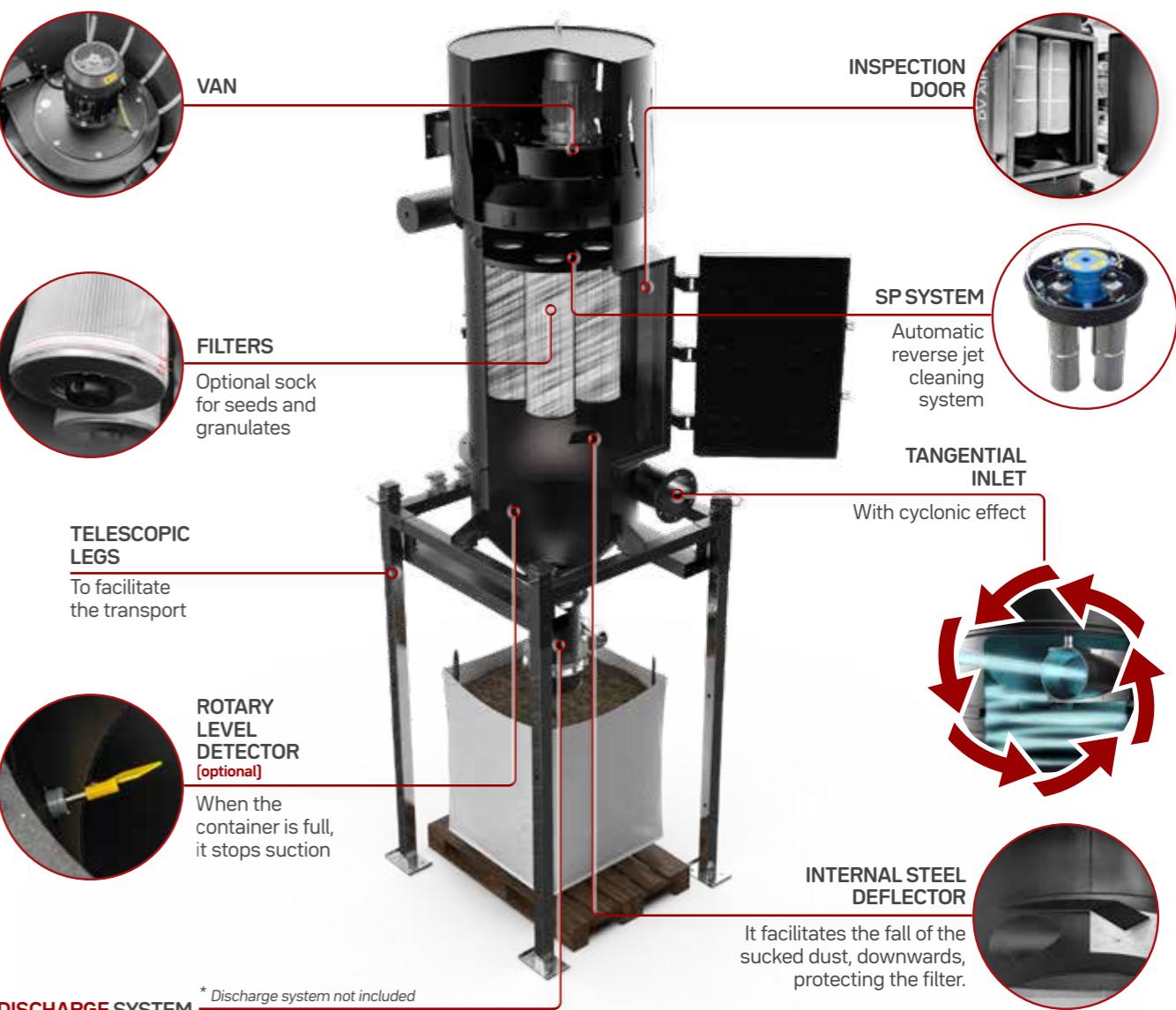
**LEVEL CONTROL**  
Rotatory level detector



**HEPA**  
Absolute H14 filter  
0,18  $\mu$   
110.000 cm<sup>2</sup>

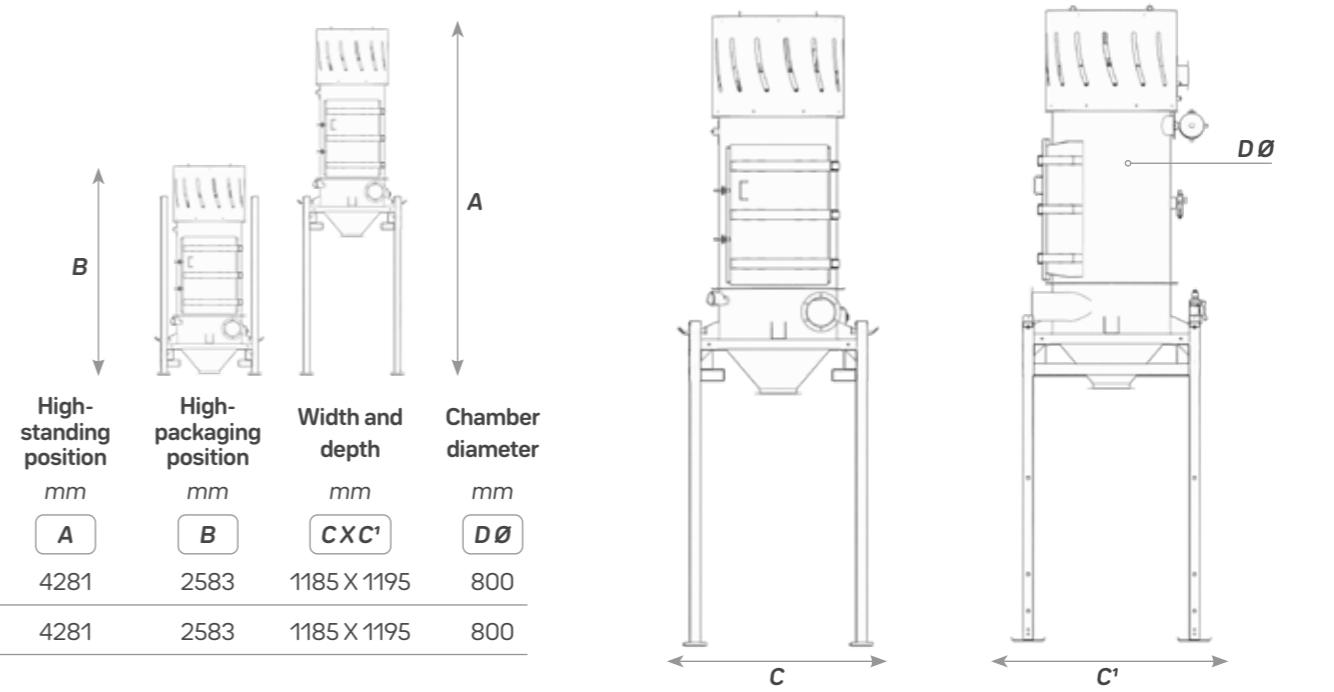


**PTFE FILTER**  
Teflon filter cartridge.



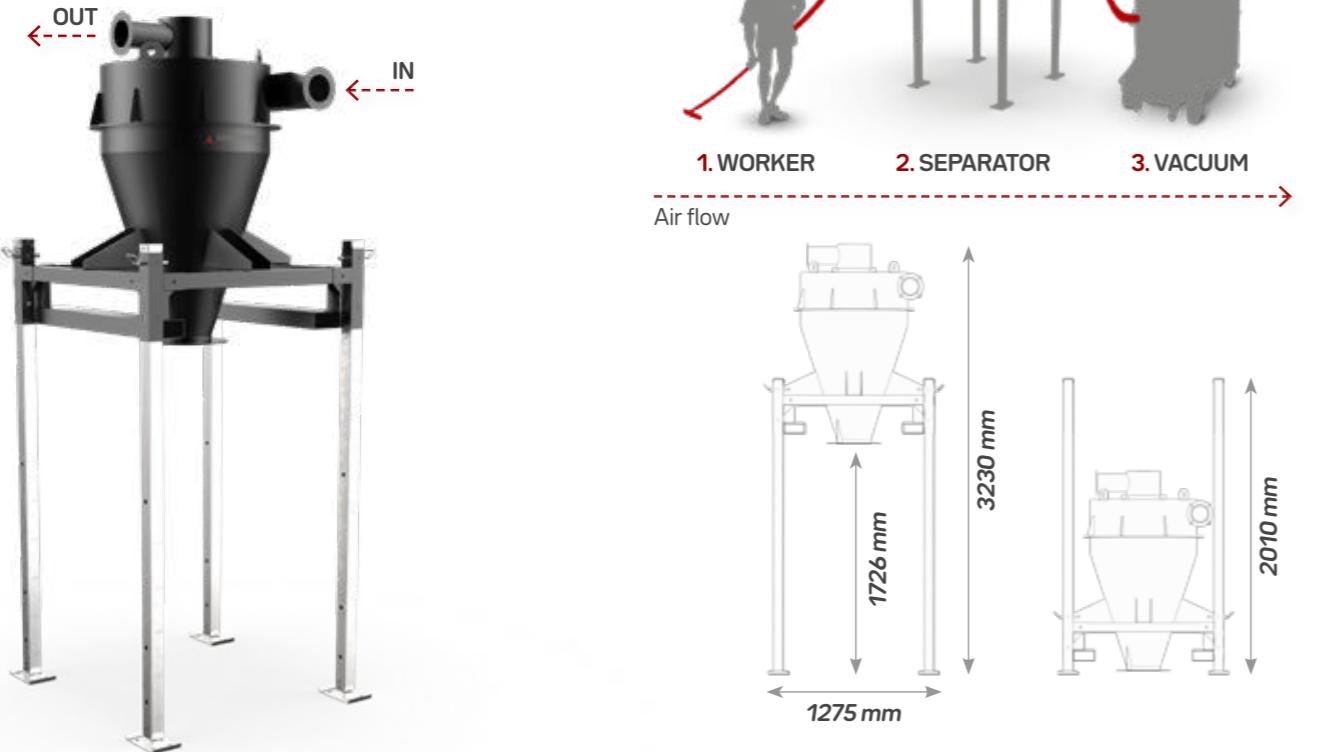
### TECHNICAL DATA

Power KW - HP	Voltage/ Frequency V - HZ	Max air flow m <sup>3</sup> /h	Max depression mm/H <sub>2</sub> O	Static depression mm/H <sub>2</sub> O	Cartridges N° / mm	Surface cm <sup>2</sup>	Media	Weight kg	
AF 40	4 - 5,5	400   50/60	2200	340	270	4   240 x 700	340.000	Antistatic polyester	409
AF 55	5,5 - 7,5	400   50/60	2700	517	480	4   240 x 700	340.000	Antistatic polyester	432



## CYCLONE HOPPER

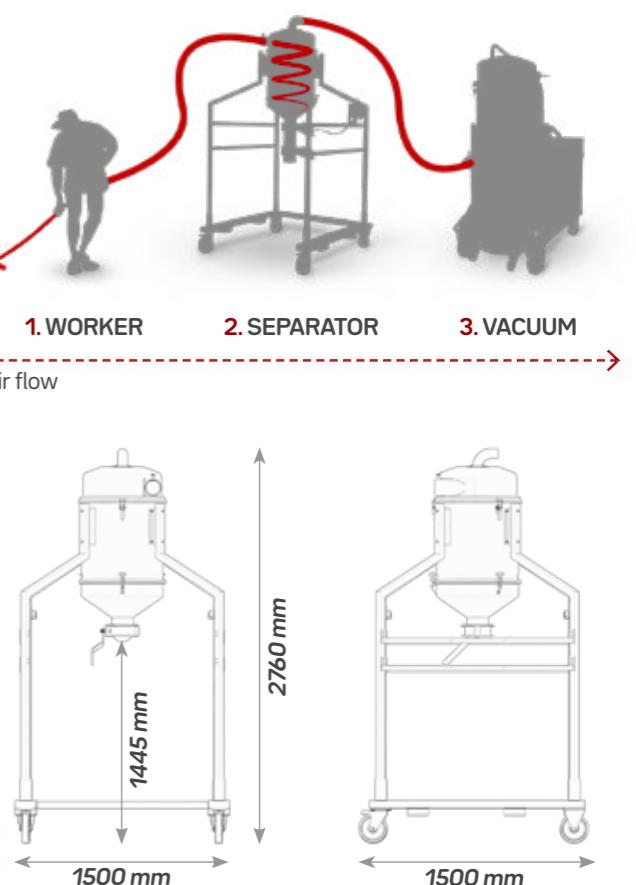
The hopper separator, with a capacity of 800 Lt, allows it to be connected to a suction unit and to filter solid materials and dusts with extreme simplicity and in total safety. Thanks to a steel cone welded inside the suction chamber, a cyclonic effect is created which helps the dust to slow down and fall downwards.



800 Lt

## CYCLONE HOPPER ON WHEELS

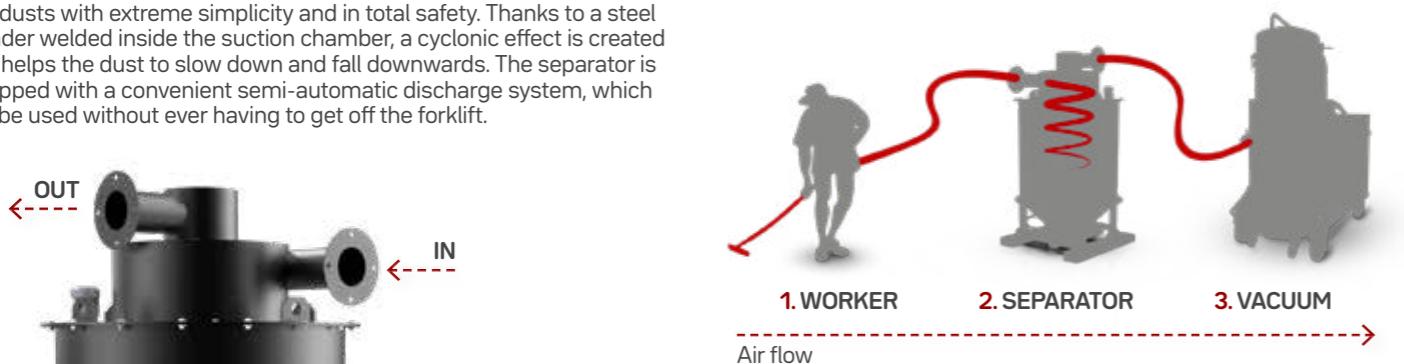
The hopper separator, with a capacity of 200 Lt, allows it to be connected to a suction unit and to break down solid materials and dusts with extreme simplicity and in total safety. Thanks to a steel cone welded inside the suction chamber, a cyclonic effect is created which helps the dust to slow down and fall downwards. The hopper is mounted on a comoda mobile structure on wheels to facilitate movement. It is possible to unload directly into Big-Bag bags.



200 Lt

## FORKABLE CYCLONIC SEPARATOR

The forkable cyclonic separator, with a capacity of 500/1300 Lt, allows it to be connected to a suction unit and to filter solid materials and dusts with extreme simplicity and in total safety. Thanks to a steel cylinder welded inside the suction chamber, a cyclonic effect is created that helps the dust to slow down and fall downwards. The separator is equipped with a convenient semi-automatic discharge system, which can be used without ever having to get off the forklift.



500 | 1300 Lt

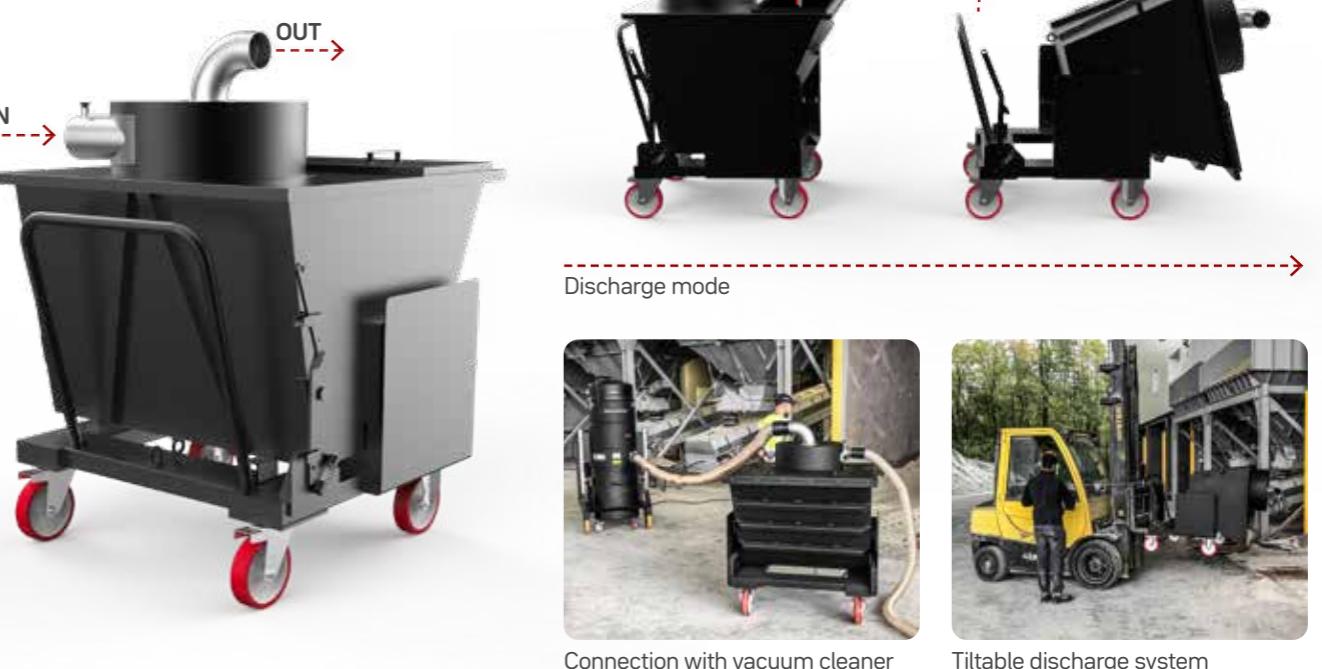


Practical and safe discharge system

Door closing system by pressure on the floor.

## TIABLE SEPARATOR WITH CYCLONE HEAD

The tiltable separator, with a capacity of 580 Lt, allows it to be connected to a suction unit and to break down solid materials and dusts with extreme simplicity and in total safety. Thanks to a steel cone welded inside the suction head, a cyclonic effect is created which helps the dust to slow down and fall downwards. This separator has a convenient folding system for discharge the material.



580 Lt

Discharge mode



Connection with vacuum cleaner

Tiltable discharge system

## FILTERING PRE SEPARATOR

The filter separators with container, allow to be connected to a suction unit and to filter solid and liquid materials with extreme simplicity and in total safety. The separators, as standard, are equipped with a large surface bag filter. The filtering system can be implemented with a polyester cartridge system with a large filtering surface, certified class M, which allows you to clean the filters very effectively without having to interrupt the suction.

### FILTERING PRE SEPARATOR - 450

Dimensions	Ø mm	450
Filter type		Star filter
Surface area	cm <sup>2</sup>	24.000
SP filter cleaning		optional
Media		Antistatic polyester
Capacity	Lt	65



### FILTERING PRE SEPARATOR - 570

Dimensions	Ø mm	570
Filter type		Star filter
Surface area	cm <sup>2</sup>	45.000
SP filter cleaning		optional
Media		Antistatic polyester
Capacity	Lt	175



### FILTERING PRE SEPARATOR - 800

Dimensions	Ø mm	800
Filter type		Cartridge
Surface area	cm <sup>2</sup>	110.000
SP filter cleaning		included
Media		Antistatic polyester
Capacity	Lt	175



## FILTERING HOPPER

The hopper filter separators allow to be connected to a suction unit and to filter solid materials and dusts with extreme simplicity and in total safety. The filtering system is composed of class M certified aluminized polyester cartridge filters, which allows you to clean the filters very effectively without having to interrupt the suction. The discharge is managed according to need with various devices available for automatically discharge into big bags, open-top containers or process belts.

### FILTERING HOPPER - 450

Dimensions	Ø mm	450
Filter type		Cartridge
Surface area	cm <sup>2</sup>	90.000
SP filter cleaning		included
Media		Antistatic polyester
Discharge system	Ø mm	150



### FILTERING HOPPER - 570

Dimensions	Ø mm	570
Filter type		Cartridge
Surface area	cm <sup>2</sup>	120.000
SP filter cleaning		included
Media		Antistatic polyester
Discharge system	Ø mm	250



### FILTERING HOPPER - 800

Dimensions	Ø mm	800
Filter type		Cartridge
Surface area	cm <sup>2</sup>	180.000
SP filter cleaning		included
Media		Antistatic polyester
Discharge system	Ø mm	250



## ELECTRICAL PANEL WITH TOUCH SCREEN SYSTEM



Language selection



Screen from 7"



Bright display



Touchscreen



Resistive screen for easy use with gloves



### PRODUCT DESCRIPTION

Depureco offers the possibility of mounting a 7-inch touch display on the electrical panel for the management of the suction system, capable of managing all the functional parameters of the system with extreme ease.

### FILTER CLEANING SETTINGS



Customize the settings for automatic filter cleaning according to your needs, with extreme ease.

### DISCHARGE SETTINGS



Customize the settings for the automatic material discharge system according to your needs, with extreme ease.

### FILTER POST-CLEANING SETTINGS



Customize the settings for automatic filter post-cleaning according to your needs, with extreme ease.

### LOGIN



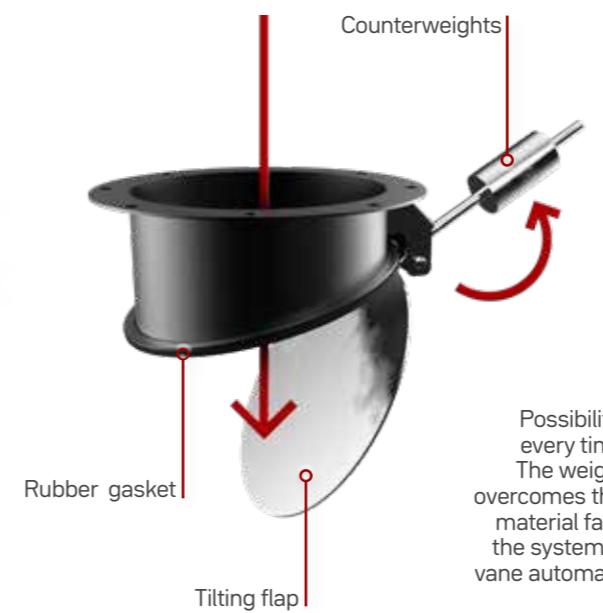
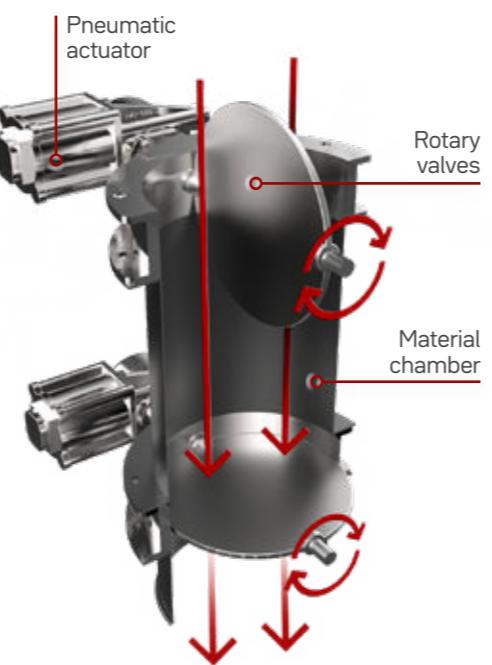
Security and convenience with multiple user management.

# DISCHARGE SYSTEMS



## DOUBLE ELECTRO-PNEUMATIC DISCHARGING BUTTERFLY VALVE

Possibility of continuous discharge, without the need to stop the suction, thanks to the presence of two butterfly valves. The valves open alternately to allow the material to be discharged and, at the same time, to maintain the vacuum to allow continuous suction.

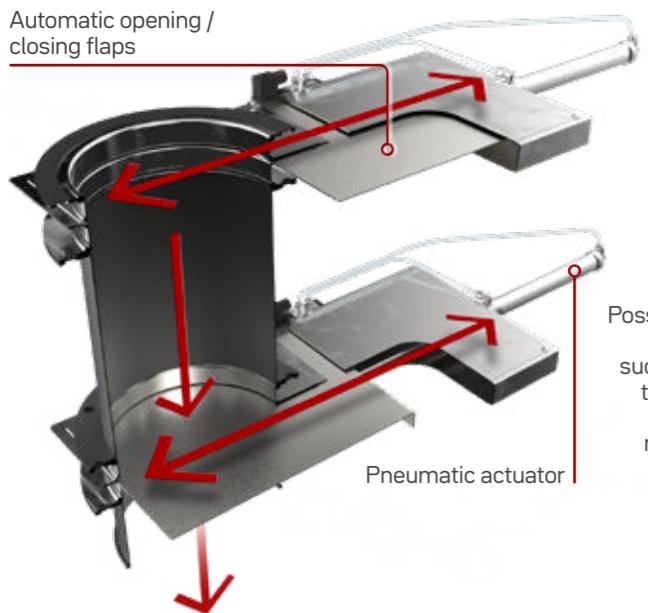


## BALANCED FLAP

Possibility of automatic discharge every time the suction is stopped. The weight of the suction material overcomes the counterweight and the material falls down by gravity. When the system is switched on again, the vane automatically repositions itself in the closed position.



Automatic opening / closing flaps



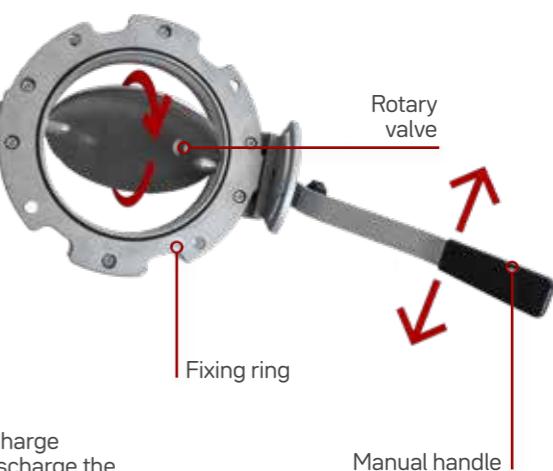
## DOUBLE ELECTRO-PNEUMATIC DISCHARGING GUILLOTINE VALVE

Possibility of continuous discharge, without the need to stop the suction, thanks to the presence of two guillotine valves. The valves open alternately to allow the material to be discharged while maintaining the vacuum at the same time to allow continuous suction.



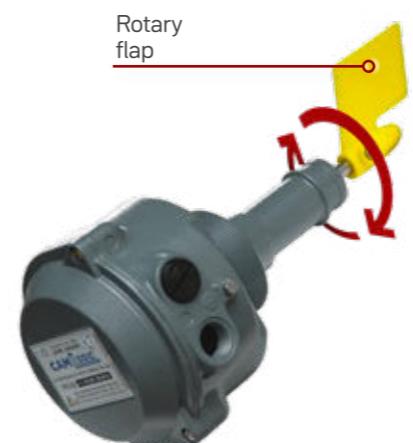
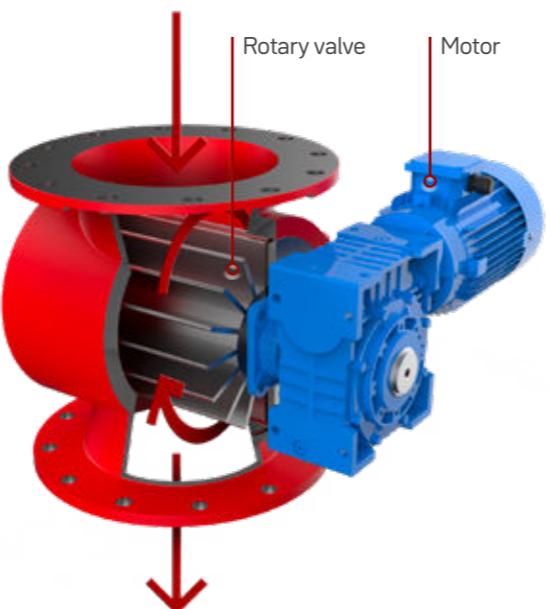
## MANUAL DISCHARGE BUTTERFLY VALVE

The manual butterfly discharge allows you to manually discharge the material by simply opening the valve.



## ROTARY VALVE

Possibility of continuous discharge, without the need to stop suction, thanks to the presence of a continuous rotary valve. The valve rotates continuously, thanks to a motor placed on the side, allowing a constant and uniform discharge of the sucked material.



## ROTARY LEVEL DETECTOR

The rotary level sensor is mounted on the suction chamber or on the container of the vacuum cleaner. Inside, a vane connected to a low voltage motor rotates constantly. When the rotary vane encounters resistance, it sends a signal that immediately stops suction, giving a full container signal.



# PASSIVE PROTECTION SYSTEMS

## EXPLOSION RELIEF VENT

The explosion panel is a vent device, designed to break at a given pressure. In this way, the fire front and the explosive pressure will be vented to a safe area, where there is no presence of people.



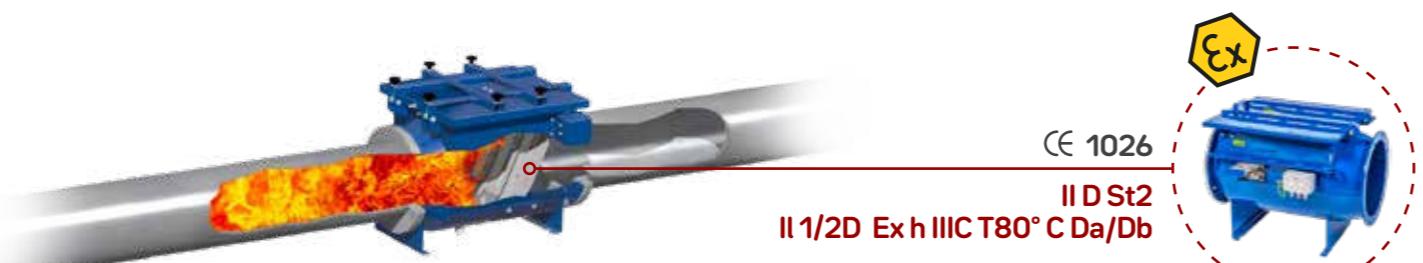
## FLAMELESS VENT

The Flameless Vent are designed to contain the flame front and the over-pressure generated by a possible explosion. These devices are generally used in in-door applications where it is not possible to have a safe area near the filtration unit.



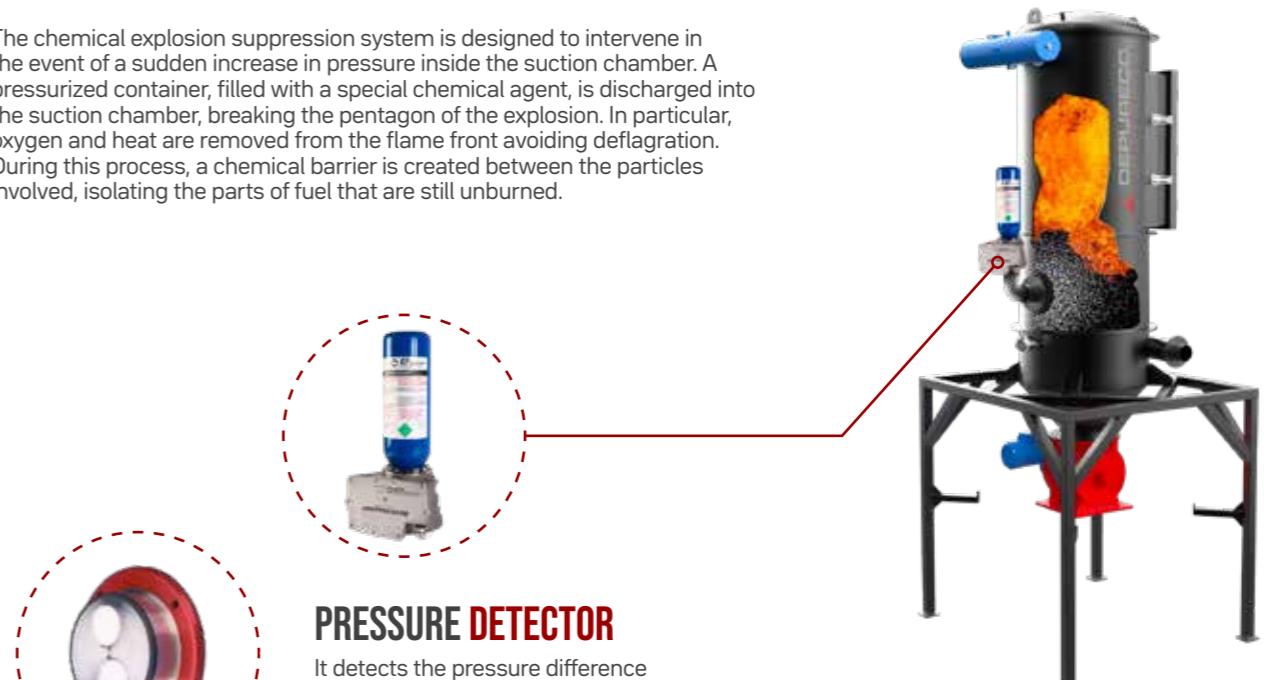
## COMPARTMENTALIZATION VALVE

The Compartmentalization valve is used to isolate a possible explosion and prevent it from spreading from the aspirator towards the suction pipe. The device, equipped with a sophisticated electronic sensor, allows you to detect an imminent explosion in the suction unit, minimizing the risk of deflagration due to propagation between interconnected equipment within the production process.



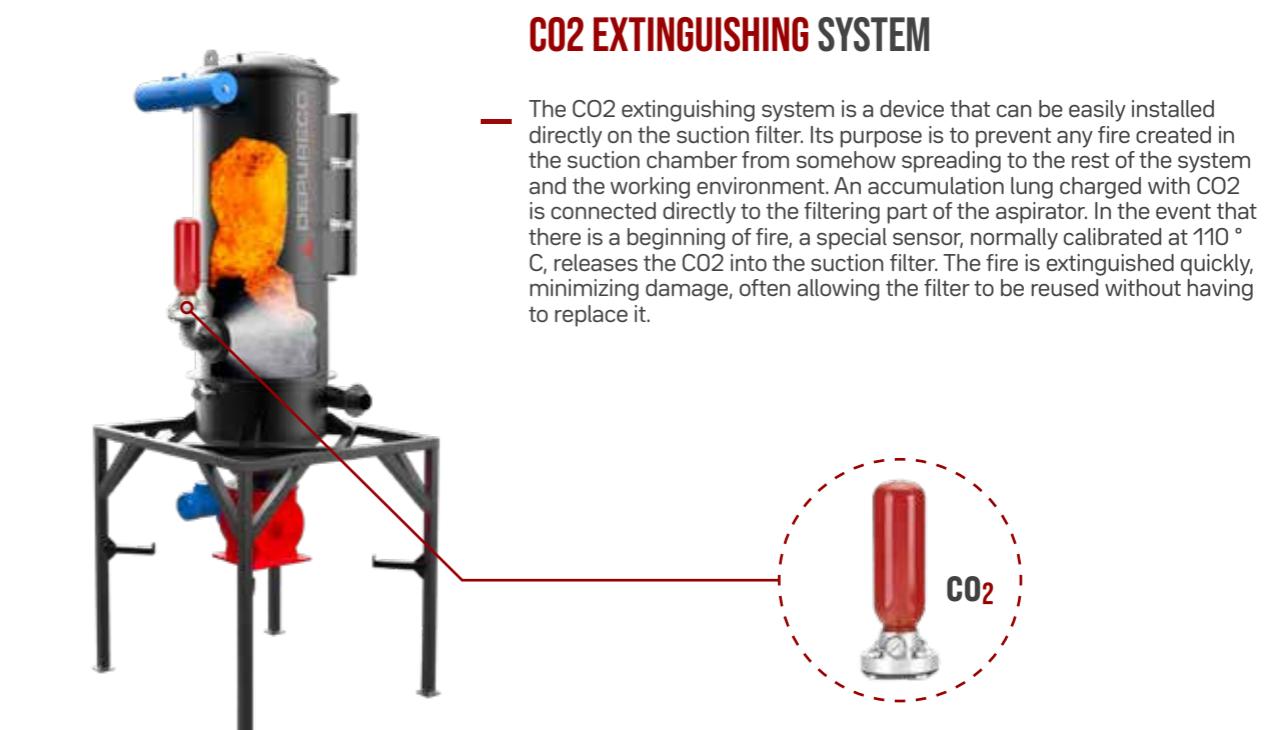
## CHIMICAL EXPLOSION SUPPRESSION SYSTEM

The chemical explosion suppression system is designed to intervene in the event of a sudden increase in pressure inside the suction chamber. A pressurized container, filled with a special chemical agent, is discharged into the suction chamber, breaking the pentagon of the explosion. In particular, oxygen and heat are removed from the flame front avoiding deflagration. During this process, a chemical barrier is created between the particles involved, isolating the parts of fuel that are still unburned.



## PRESSURE DETECTOR

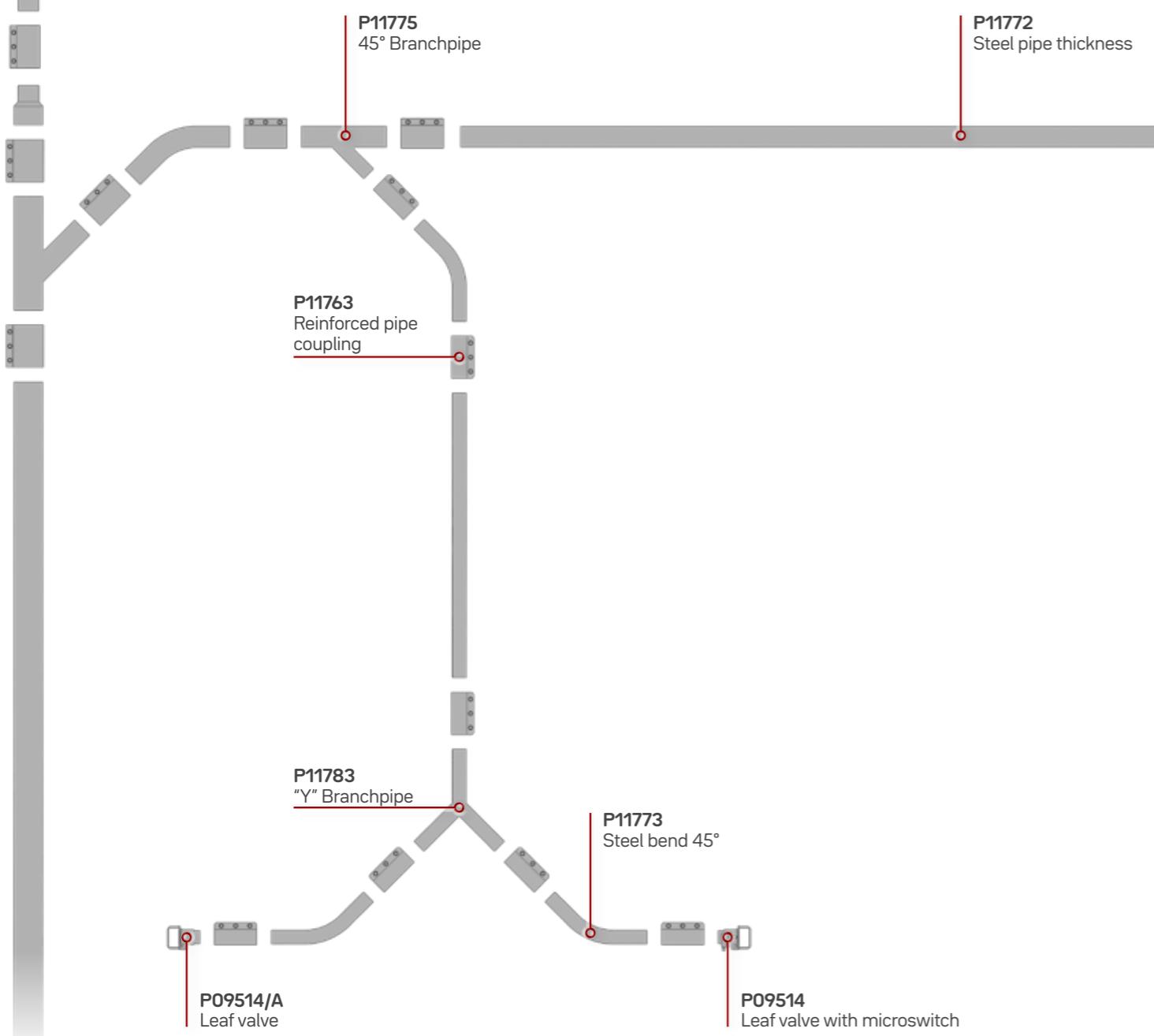
It detects the pressure difference inside the chamber and activates the suppression system.



## CO2 EXTINGUISHING SYSTEM

The CO2 extinguishing system is a device that can be easily installed directly on the suction filter. Its purpose is to prevent any fire created in the suction chamber from somehow spreading to the rest of the system and the working environment. An accumulation lung charged with CO2 is connected directly to the filtering part of the aspirator. In the event that there is a beginning of fire, a special sensor, normally calibrated at 110 ° C, releases the CO2 into the suction filter. The fire is extinguished quickly, minimizing damage, often allowing the filter to be reused without having to replace it.





## GALLERY

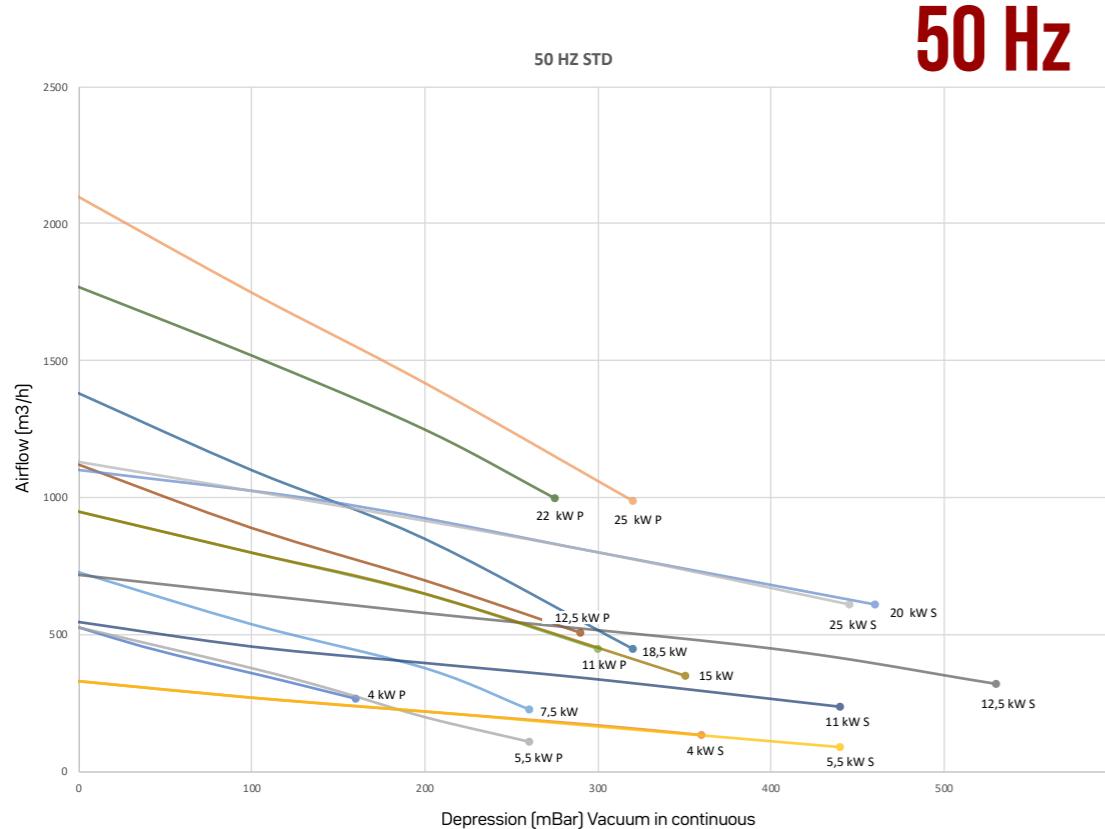


## PIPES SYSTEM

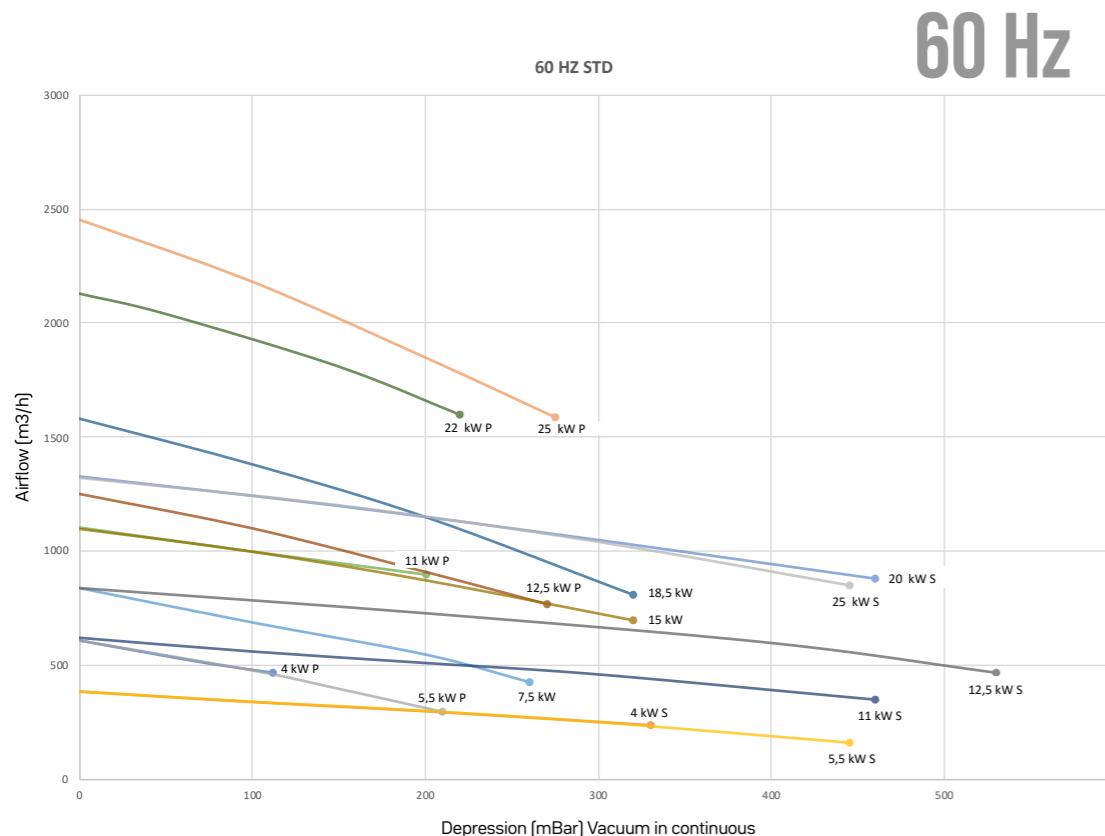
### GALVANIZED HIGH VACUUM COMPONENTS

Code	Description	Code	Description
	P11772 Steel pipes thickness		P11783 "Y" Branchpipe
	P11763 Stainless steel INOX AISI 304 reinforced pipe coupling		P11775 45° Branchpipe
	P09514/A Leaf valve		P11767 Reduction cone
	P09514 Leaf valve with microswitch		P11781 End cap
	P11770 Hose connector		P11981 Manual shutter with straight edge
	P11774 Steel bend 90°		P11982 Pneumatic shutter with straight edge
	P11773 Steel bend 45°		P12639 Wall mounted hose reel
	P11782 Reinforced steel bend 90°		PRV Safety vacuum breaker valve

# STANDARD PERFORMANCE CURVES

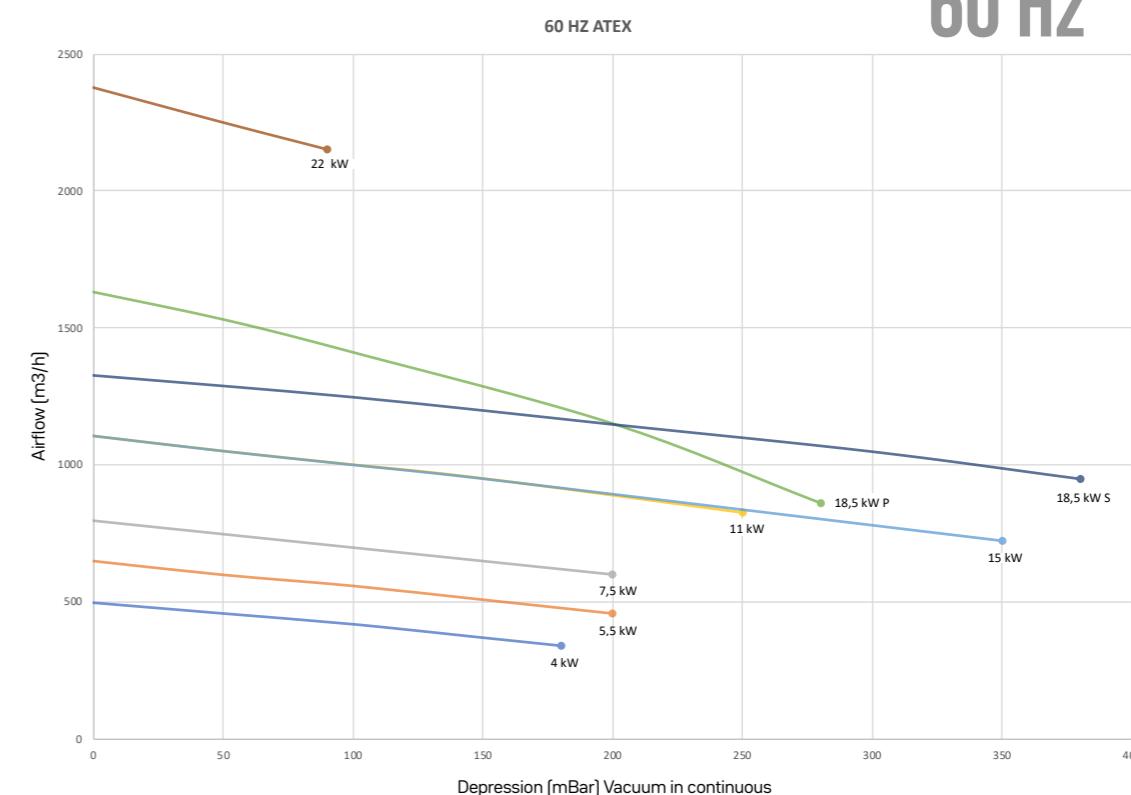
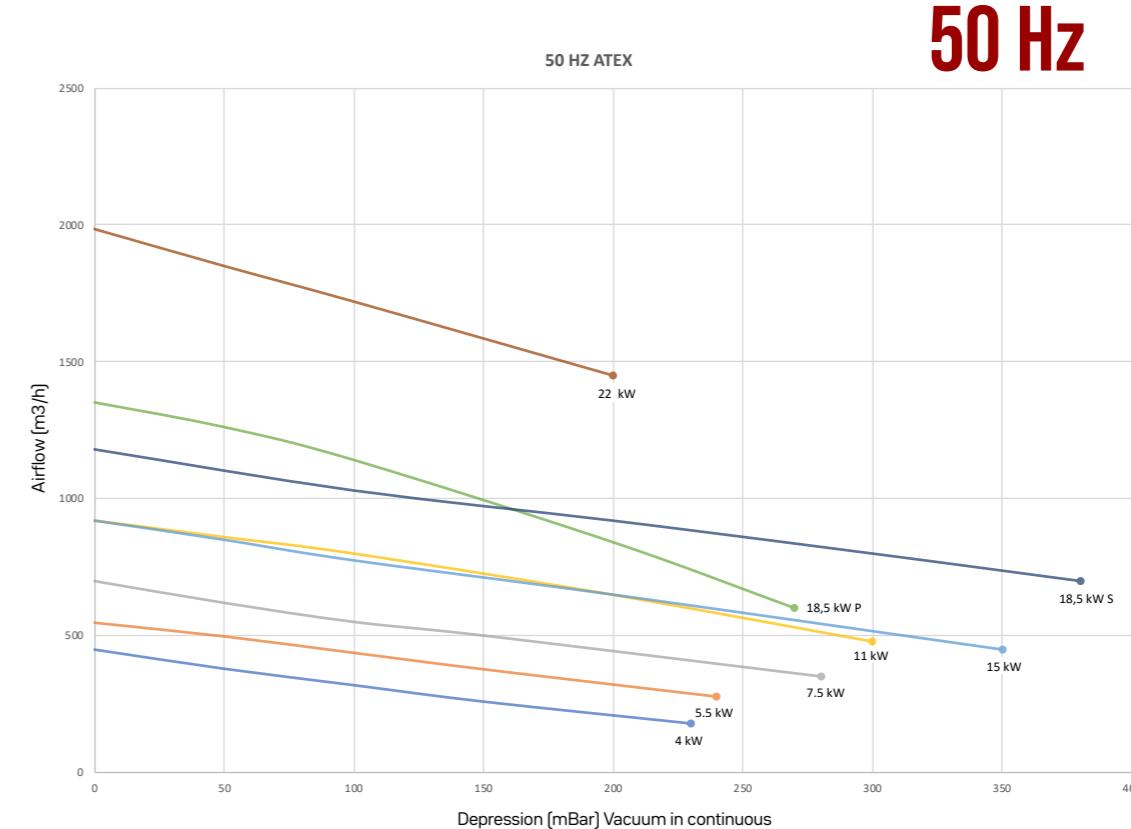


Code	Power	Unit
P11851	4kW P	CVS 40 P
P12333	4kW S	CVS 40 S HF 5,5
P12307	5,5kW P	TX 550 P CVS 55 P
P12292	5,5kW S	TX 550 S CVS 55 S
P12332	7,5kW	PUMA FIX 10 HF 10
P12082	11kW P	CVS 110 P PUMA FIX 15 P HF 15 P
P00218	11kW S	CVS 110 S PUMA 15 S HF 15 S
P00219	12,5kW P	CVS 125 P PUMA FIX 18 HF 18
P13040	12,5kW S	CVS 125 S PUMA FIX 18 S
P12083	15kW	CVS 150 PUMA FIX 20
P12429	18,5kW	CVS 185 PUMA FIX 25
P10396	22kW P	CVS 200 P HF 30 P
P09175	22kW S	CVS 200 S HF 30 S
P11917	25kW P	CVS 250 HF 35 P
P12423	25kW S	HF 35 S



Code	Power	Unity
P11676	4kW	CVS 40 ATEX HF 5,5 ATEX
P12573	5,5kW	CVS 55 ATEX HF 7,5 ATEX
P12510/EX	7,5kW	CVS 75 ATEX PUMA FIX 10 EX HF 10 ATEX
P12082/EX	11kW	CVS 110 ATEX PUMA FIX 15 EX HF 15 ATEX
P12428/EX	15kW	CVS 150 ATEX PUMA FIX 20 EX HF 20 ATEX
P13088/EX	18,5kW P	CVS 185 ATEX PUMA FIX 25 EX HF 25 ATEX
X	18,5kW S	CVS 200 S ATEX HF 30 S ATEX
P09175/EX	22kW	CVS 200 P ATEX HF 30 P ATEX

# ATEX PERFORMANCE CURVES





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