# CENTRALIZED VACUUM SYSTEMS

DEPURECO
INDUSTRIAL VACUUMS

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

# 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 µ
110.000 cm²

**E.P. WITH DISPLAY**

Management andmonitoring software with touch screen panel

**INVERTER**

Automatic suction speed management system for multi-operator systems

**SP SYSTEM**

Automatic reverse jet cleaning system

**ELECTRICAL PANEL**



**TANGENTIAL INLET**

With internal cyclone, welded, with high abatement efficiency

**INSPECTION DOOR**

**175 Lt CONTAINER**

with easy hooking and unhooking mechanism

**SIDE CHANNEL BLOWER**

From 7,5 to 18,5 KW

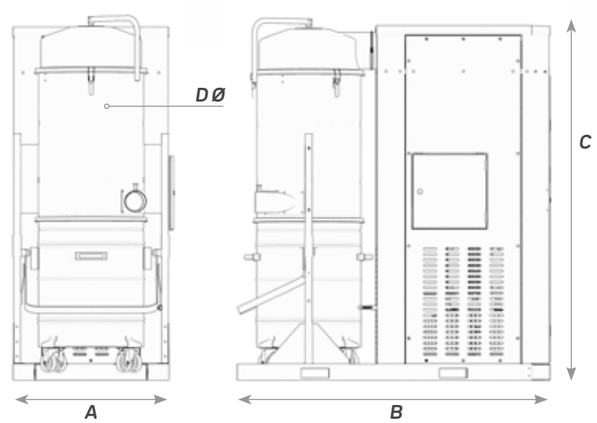
**FORKABLE SYSTEM FOR FORKLIFT**

## TECHNICAL DATA

| PUMA FIX | Power KW - HP | Voltage/ Frequency V - HZ | Air flow m³/h std | Air flow m³/h Ex | MAX vacuum mBar std | MAX vacuum mBar Ex | Vacuum in continuous mBar std | Vacuum in continuous mBar Ex | Filter system cm² SP | Filter cm² HEPA* | Noise level dB (A) | Deep mm A | Length mm B | Height mm C | Chamber diameter mm DØ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 CERTIFICATED ATEX*

* *Optional HEPA filter for all models*



# 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 µ 28.000/ 110.000

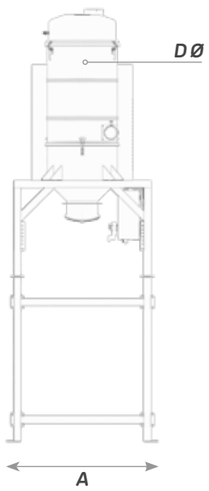
**E.P. WITH DISPLAY**

Management and monitoring software with touch screen panel.

## TECHNICAL DATA

| | Power KW - HP | Voltage/ Frequency V - HZ | Air flow m³/h std | Air flow m³/h Ex | MAX vacuum mBar std | MAX vacuum mBar Ex | Vacuum in continuous mBar std | Vacuum in continuous mBar Ex | Filter system cm² PSC | Filter system cm² SP** | Filter cm² HEPA* | Noise level dB [A] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

| | Deep mm A | Length mm B | Height mm C | Chamber diameter mm DØ |
|---|---|---|---|---|
| HF 5.5 | 1240 | 1910 | 3488 | 550 |
| HF 7.5 | 1240 | 1910 | 3488 | 550 |
| HF 10 | 1240 | 1910 | 3488 | 550 |
| HF 15 P | 1240 | 1910 | 3488 | 550 |
| HF 15 S | 1240 | 1910 | 3488 | 550 |
| HF 18 | 1240 | 1910 | 3488 | 550 |
| HF 20 | 1240 | 1910 | 3488 | 550 |
| HF 25 | 1240 | 1910 | 3488 | 550 |
| HF 30 P | 1240 | 1910 | 3488 | 800 |
| HF 30 S | 1240 | 1910 | 3488 | 800 |
| HF 35 P | 1240 | 1910 | 3488 | 800 |
| HF 35 S | 1240 | 1910 | 3488 | 800 |
| HF 300 | 1370 | 680 | 1952 | 550 |




SIDE CHANNEL BLOWER CERTIFICATED ATEX

* Optional HEPA filter for all models
** SP optional for standard HF, standard on the ATEX version

**SP SYSTEM** (optional)

Automatic reverse jet cleaning system

**SIDE CHANNEL BLOWER**

From 4 to 25 KW

**TANGENTIAL INLET**

With cyclonic effect

**ELECTRICAL PANEL**

**DISCHARGE IN BIG BAG**

**DISCHARGE SYSTEM**

* *Discharge system not included*

Manual discharge butterfly valve

Balanced flap

Double electro pneumatic discharging butterfly valve

Rotary valve for continuous hopper discharge

# 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.

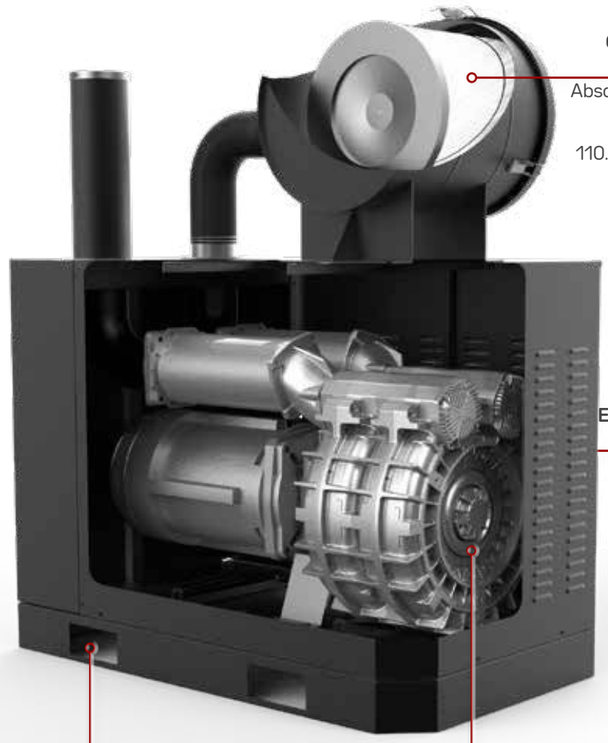
## TECHNICAL DATA

| | Power KW - HP | Voltage/ Frequency V - HZ | Air flow m³/h std | Air flow m³/h Ex | MAX vacuum mBar std | MAX vacuum mBar Ex | Vacuum in continuous mBar std | Vacuum in continuous mBar Ex | Filter cm² HEPA* | Noise level dB (A) | Deep mm A | Length mm B | Height mm C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 CERTIFICATED ATEX*



** Optional HEPA filter for all models*



**CLASS H FILTER**

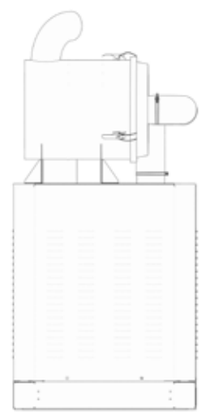
Absolute H14 filter
0,18 µ
110.000 *cm²*

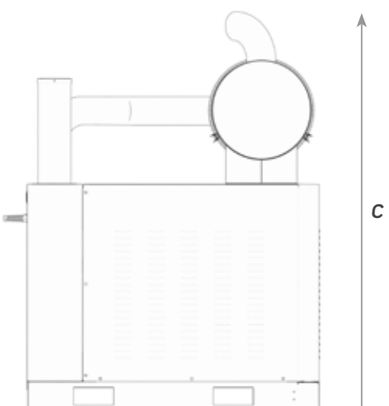
**ELECTRICAL PANEL**

**FORKABLE SYSTEM FOR FORKLIFT**

**SIDE CHANNEL BLOWER**

From 4 to 25 KW





*A*

*B*

*C*

# 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.

**LEVEL CONTROL**

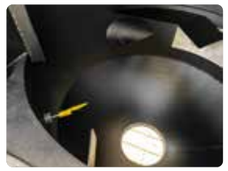
Rotatory level detector

**HEPA**

Absolute H14 filter
0,18 µ
110.000 *cm²*

**PTFE FILTER**

Teflon filter cartridge.



## TECHNICAL DATA

| | Air tank volume *Lt* | Valve *N°* | Cartridges *N° \| mm* | Surface area *cm²* | 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*

**SP SYSTEM**

Automatic reverse jet cleaning system

**FILTERS**

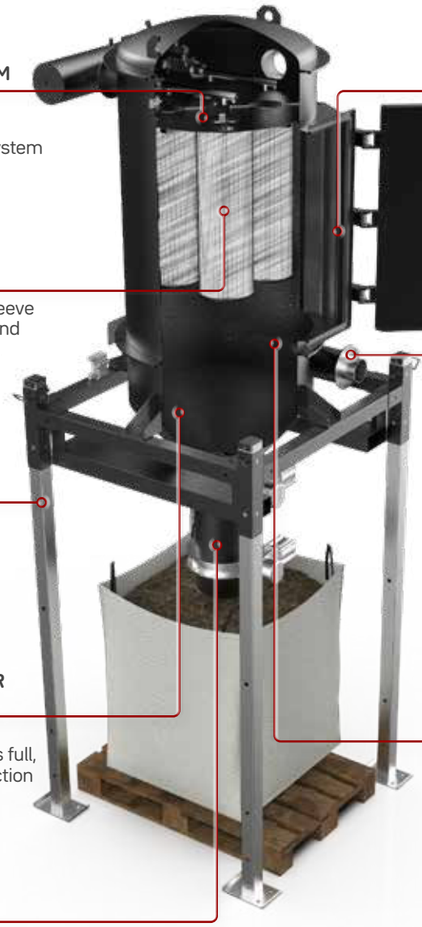
Optional sleeve for seeds and granulates.

**TELESCOPIC LEGS**

To facilitate the transport

**ROTARY LEVEL DETECTOR** (optional)

When the container is full, it stops suction



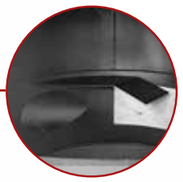
**INSPECTION DOOR**

**TANGENTIAL INLET**

With cyclonic effect

**INTERNAL STEEL DEFLECTOR**

It facilitates the fall of the sucked dust, downwards, protecting the filter.



**DISCHARGE SYSTEM**

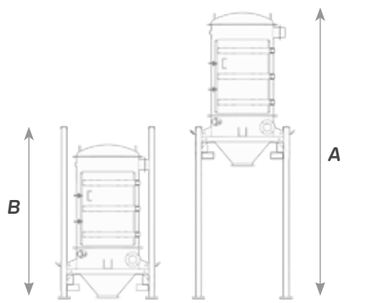
* *Discharge system not included*

Balanced flap

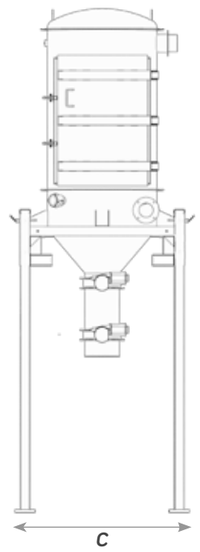
Double electro pneumatic discharging guillotine valve

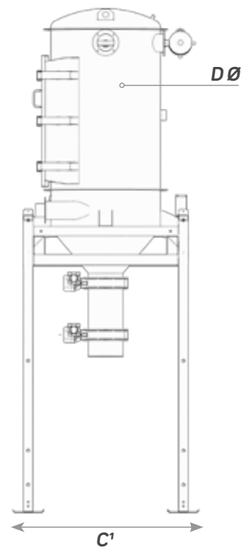
Double electro pneumatic discharging butterfly valve

Rotary valve for continunous hopper discharge




| High-standing position *mm* **A** | High-packaging position *mm* **B** | Width and depth *mm* **C X C¹** | Chamber diameter *mm* **DØ** |
|---|---|---|---|
| 3500 | 2175 | 1185 X 1195 | 800 |
| 3500 | 2175 | 1185 X 1195 | 800 |



# AF

## 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 cm2), 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 µ
110.000 *cm²*

**PTFE FILTER**

Teflon filter cartridge.

**VAN**

**FILTERS**

Optional sock for seeds and granulates

**TELESCOPIC LEGS**

To facilitate the transport

**ROTARY LEVEL DETECTOR** **(optional)**

When the container is full, it stops suction

**INSPECTION DOOR**

**SP SYSTEM**

Automatic reverse jet cleaning system

**TANGENTIAL INLET**

With cyclonic effect

**INTERNAL STEEL DEFLECTOR**

It facilitates the fall of the sucked dust, downwards, protecting the filter.

**DISCHARGE SYSTEM** * *Discharge system not included*

Balanced flap

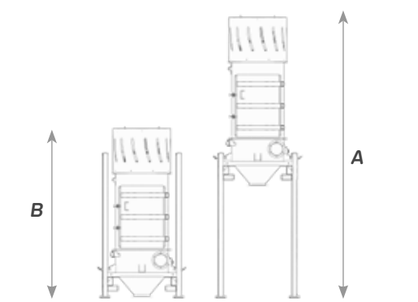
Double electro pneumatic discharging guillotine valve

Double electro pneumatic discharging butterfly valve

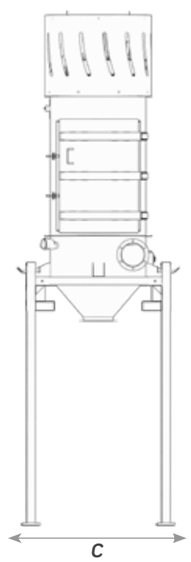
Rotary valve for continuous hopper discharge

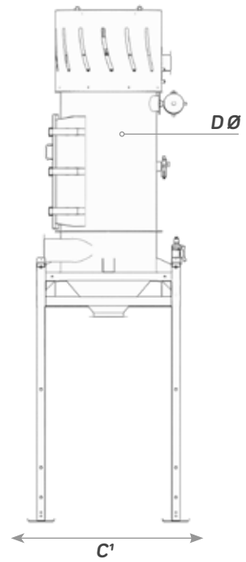
## TECHNICAL DATA

| | Power *KW - HP* | Voltage/ Frequency *V - HZ* | Max air flow *m³/h* | Max depression *mm/H₂O* | Static depression *mm/H₂O* | Cartridges *N° \| mm* | Surface *cm²* | 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 |




| High-standing position *mm* **A** | High-packaging position *mm* **B** | Width and depth *mm* **C X C¹** | Chamber diameter *mm* **D Ø** |
|---|---|---|---|
| 4281 | 2583 | 1185 X 1195 | 800 |
| 4281 | 2583 | 1185 X 1195 | 800 |

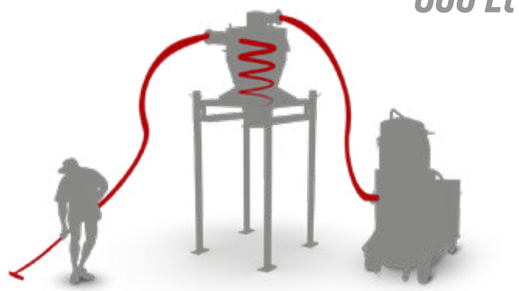


# CYCLONE HOPPER

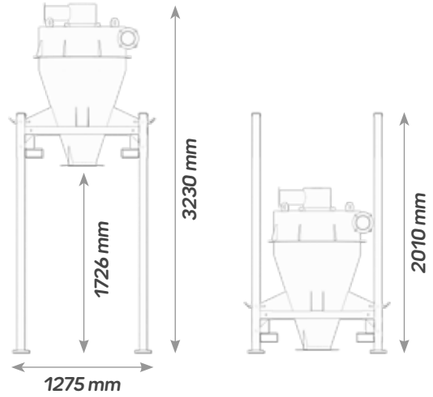
*800 Lt*

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.



1. WORKER 2. SEPARATOR 3. VACUUM

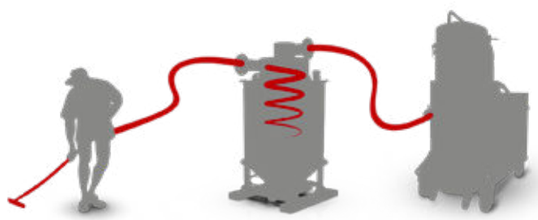
Air flow




# FORKABLE CYCLONIC SEPARATOR

*500 | 1300 Lt*

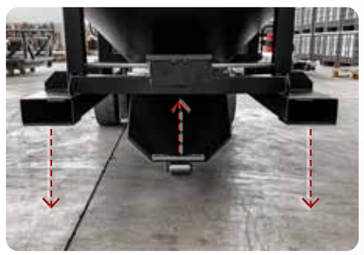
IThe forkable cyclonic separator, with a capacity of 500/1300 Lt, allows it to be connected to a suction unit and to filter solid materials and dusts with extreme simplicity and in total safety. Thanks to a steel cylinder welded inside the suction chamber, a cyclonic effect is created that helps the 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.



1. WORKER 2. SEPARATOR 3. VACUUM

Air flow

Practical and safe discharge system



Door closing system by pressure on the floor.



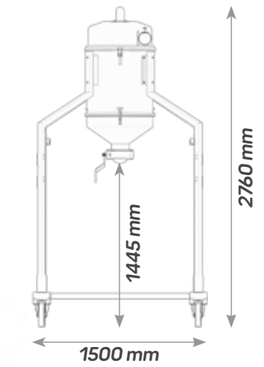
# CYCLONE HOPPER ON WHEELS

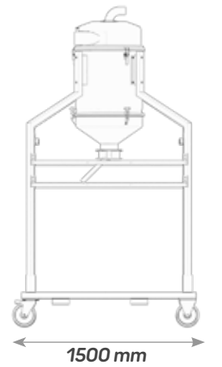
*200 Lt*

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 comada mobile structure on wheels to facilitate movement. It is possible to unload directly into Big-Bag bags.

1. WORKER 2. SEPARATOR 3. VACUUM

Air flow

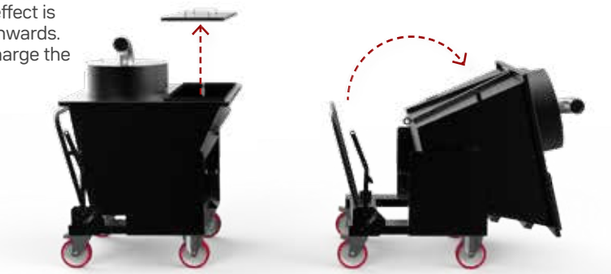



# TILTABLE SEPARATOR WITH CYCLONE HEAD

*580 Lt*

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.



Discharge mode

Connection with vacuum cleaner

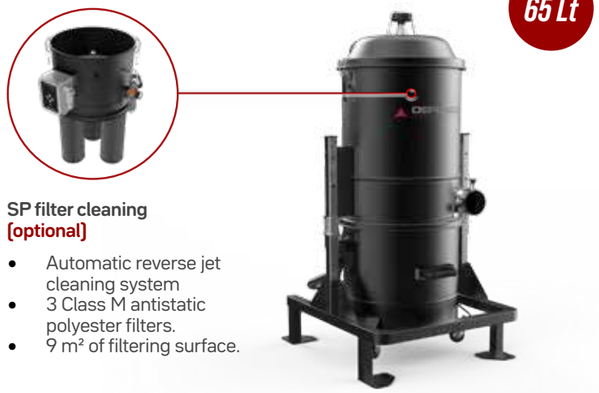
Tiltable discharge system

# 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** | cm² | 24.000 |
| **SP filter cleaning** | | optional |
| **Media** | | Antistatic polyester |
| **Capacity** | Lt | 65 |



65 Lt

**SP filter cleaning**
**(optional)**

- Automatic reverse jet cleaning system
- 3 Class M antistatic polyester filters.
- 9 m² of filtering surface.

## FILTERING PRE SEPARATOR - 570

| | | |
|---|---|---|
| **Dimensions** | Ø mm | 570 |
| **Filter type** | | Star filter |
| **Surface area** | cm² | 45.000 |
| **SP filter cleaning** | | optional |
| **Media** | | Antistatic polyester |
| **Capacity** | Lt | 175 |

175 Lt

**SP filter cleaning**
**(optional)**

- Automatic reverse jet cleaning system.
- 4 Class M antistatic polyester filters.
- 12 m² of filtering surface.

## FILTERING PRE SEPARATOR - 800

| | | |
|---|---|---|
| **Dimensions** | Ø mm | 800 |
| **Filter type** | | Cartridge |
| **Surface area** | cm² | 110.000 |
| **SP filter cleaning** | | included |
| **Media** | | Antistatic polyester |
| **Capacity** | Lt | 175 |

175 Lt

**SP filter cleaning**
**(optional)**

- Automatic reverse jet cleaning system.
- 4 Class M antistatic polyester filters.
- 18 m² of filtering surface.



# 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** | cm² | 90.000 |
| **SP filter cleaning** | | included |
| **Media** | | Antistatic polyester |
| **Discharge system** | Ø mm | 150 |

**Discharge structure in Big-Bag**
**(optional)**

## FILTERING HOPPER - 570

| | | |
|---|---|---|
| **Dimensions** | Ø mm | 570 |
| **Filter type** | | Cartridge |
| **Surface area** | cm² | 120.000 |
| **SP filter cleaning** | | included |
| **Media** | | Antistatic polyester |
| **Discharge system** | Ø mm | 250 |

**Discharge structure in Big-Bag**
**(optional)**

## FILTERING HOPPER - 800

| | | |
|---|---|---|
| **Dimensions** | Ø mm | 800 |
| **Filter type** | | Cartridge |
| **Surface area** | cm² | 180.000 |
| **SP filter cleaning** | | included |
| **Media** | | Antistatic polyester |
| **Discharge system** | Ø mm | 250 |

**Discharge structure in Big-Bag**
**(optional)**

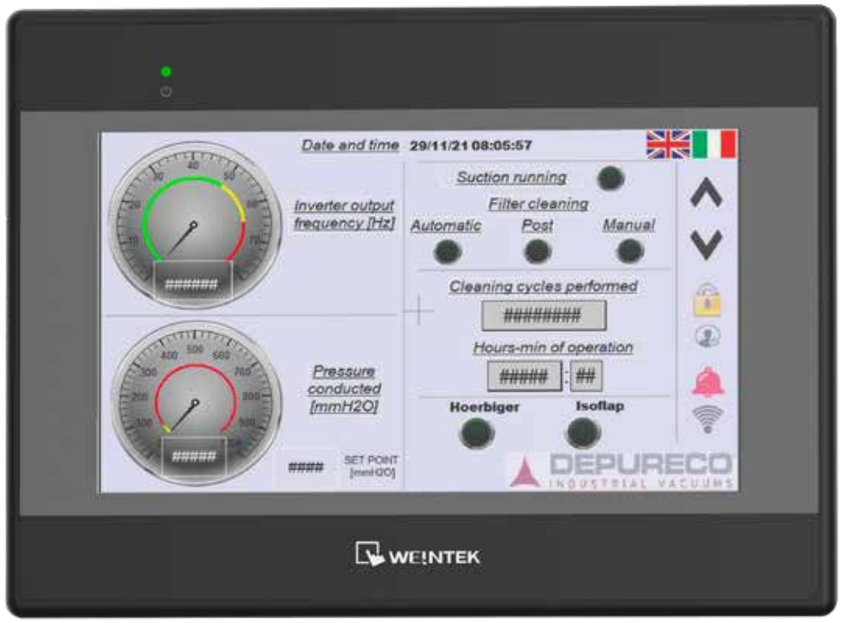
# ELECTRICAL PANEL WITH TOUCH SCREEN SYSTEM

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.

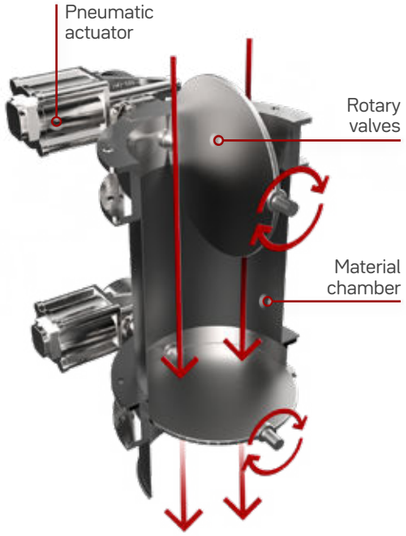
## LOGIN

Security and convenience with multiple user management.

# DISCHARGE SYSTEMS

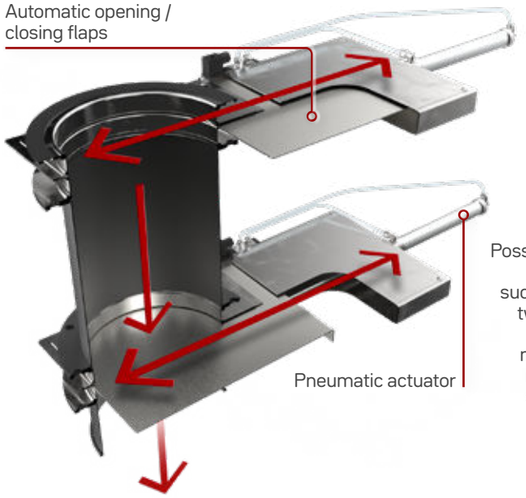
## DOUBLE ELECTRO-PNEUMATIC DISCHARGING BUTTERFLY VALVE

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

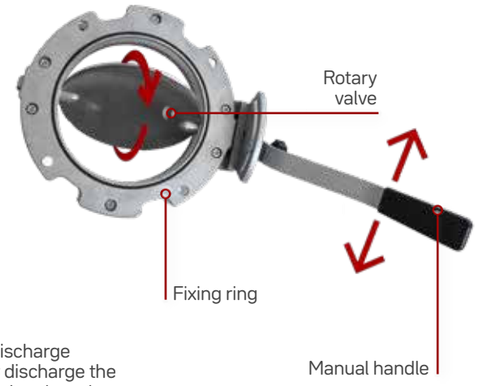
Possibility of automatic discharge every time the suction is stopped. The weight of the suction material overcomes the counterweight and the material falls down by gravity. When the system is switched on again, the vane automatically repositions itself in the closed position.




## 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.

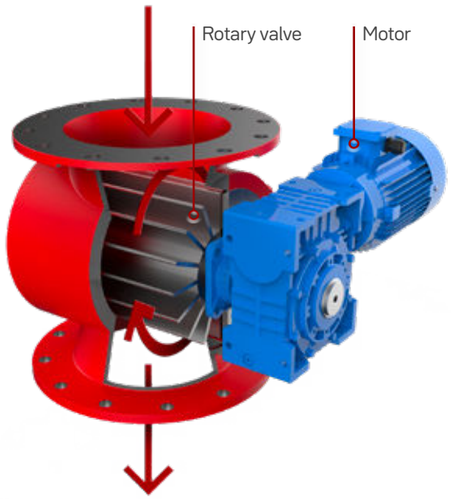
## MANUAL DISCHARGE BUTTERFLY VALVE




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.



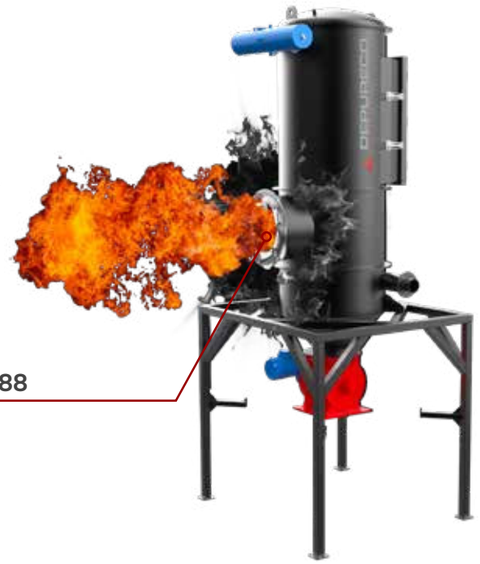
## ROTARY LEVEL DETECTOR

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.

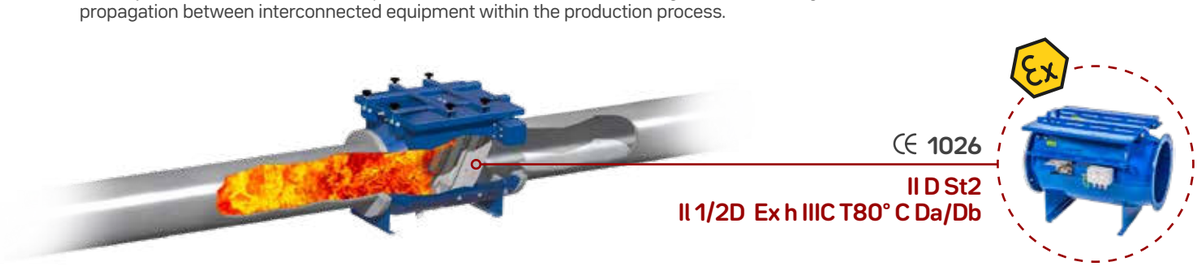


## FLAMELESS VENT

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

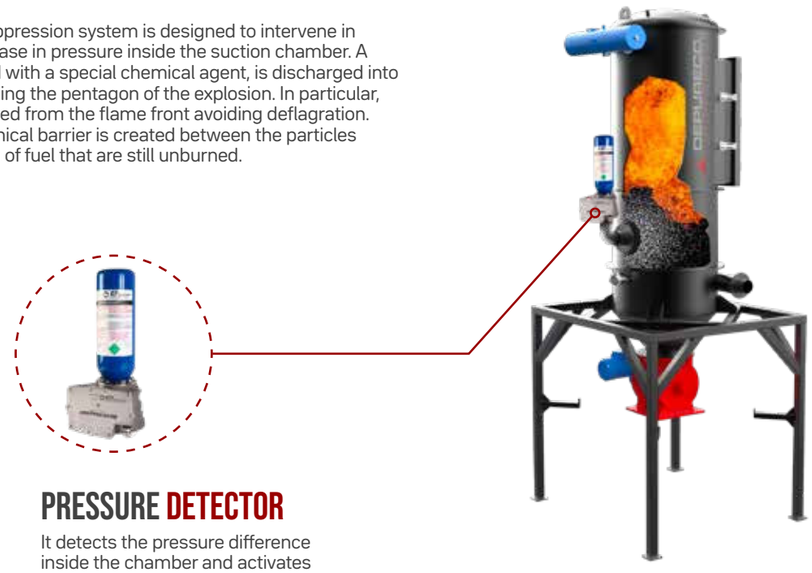
The Compartmentalization valve is used to isolate a possible explosion and prevent it from spreading from the aspirator towards the suction pipe. The device, equipped with a sophisticated electronic sensor, allows you to detect an imminent explosion in the suction unit, minimizing the risk of deflagration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



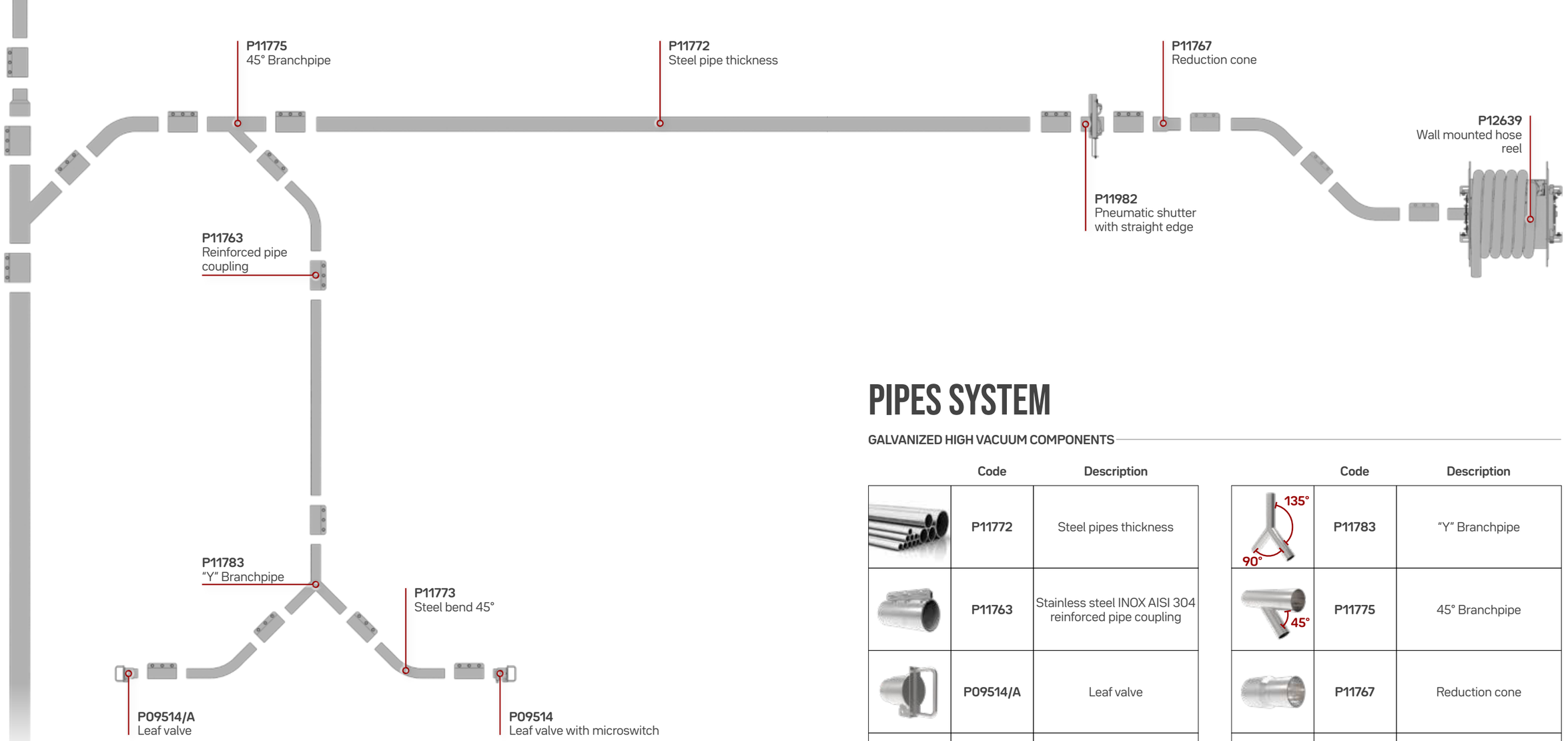
### PRESSURE DETECTOR

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.

CENTRALIZED VACUUM SYSTEMS




## GALLERY

# PIPES SYSTEM

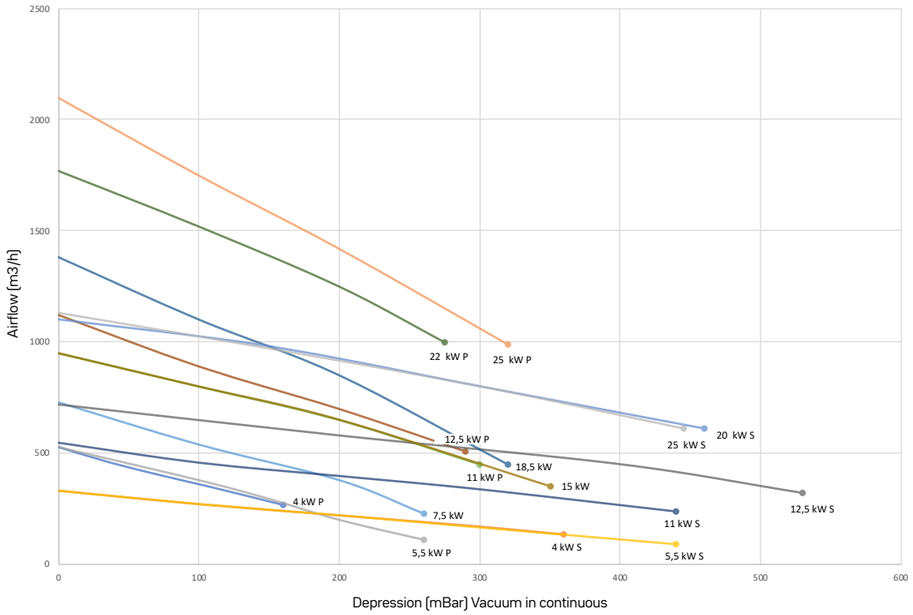
## GALVANIZED HIGH VACUUM COMPONENTS

| | Code | Description |
|---|---|---|
|  | P11772 | Steel pipes thickness |
|  | P11763 | Stainless steel INOX AISI 304 reinforced pipe coupling |
|  | P09514/A | Leaf valve |
| | P09514 | Leaf valve with microswitch |
| | P11770 | Hose connector |
| | P11774 | Steel bend 90° |
| | P11773 | Steel bend 45° |
| | P11782 | Reinforced steel bend 90° |

| | Code | Description |
|---|---|---|
|   | P11783 | "Y" Branchpipe |
|   | P11775 | 45° Branchpipe |
|  | P11767 | Reduction cone |
| | P11781 | End cap |
| | P11981 | Manual shutter with straight edge |
| | P11982 | Pneumatic shutter with straight edge |
| | P12639 | Wall mounted hose reel |
| | PRV | Safety vacuum breaker valve |

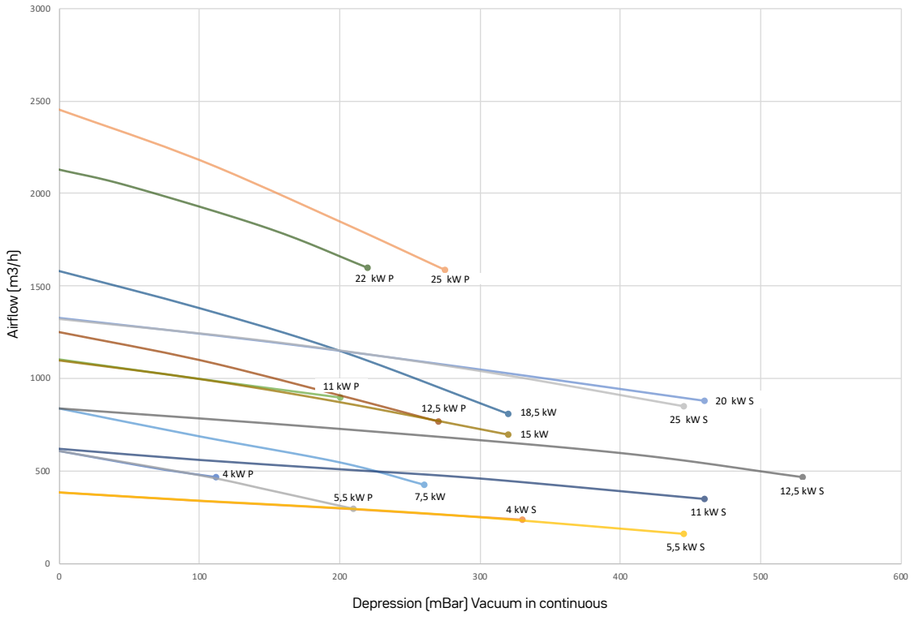
# STANDARD
# PERFORMANCE CURVES

## 50 Hz




| Code | Power | Unit |
|---|---|---|
| P11851 | 4kW P | CVS 40 P |
| P12333 | 4kW S | CVS 40 S<br>HF 5,5 |
| P12307 | 5,5kW P | TX 550 P<br>CVS 55 P |
| P12292 | 5,5kW S | TX 550 S<br>CVS 55 S |
| P12332 | 7,5kW | CVS 75<br>PUMA FIX 10<br>HF 10 |
| P12082 | 11kW P | CVS 110 P<br>PUMA FIX 15 P<br>HF 15 P |
| P00218 | 11kW S | CVS 110 S<br>PUMA 15 S<br>HF 15 S |
| P00219 | 12,5kW P | CVS 125 P<br>PUMA FIX 18<br>HF 18 |
| P13040 | 12,5kW S | CVS 125 S<br>PUMA FIX 18 S |
| P12083 | 15kW | CVS 150<br>PUMA FIX 20 |
| P12429 | 18,5kW | CVS 185<br>PUMA FIX 25 |
| P10396 | 22kW P | CVS 200 P<br>HF 30 P |
| P09175 | 22kW S | CVS 200 S<br>HF 30 S |
| P11917 | 25kW P | CVS 250<br>HF 35 P |
| P12423 | 25kW S | HF 35 S |

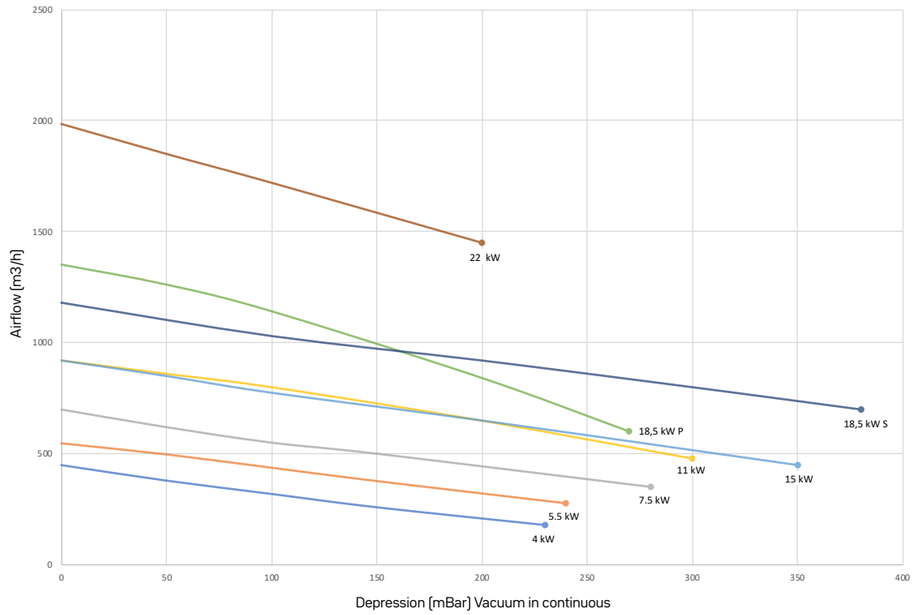
## 60 Hz





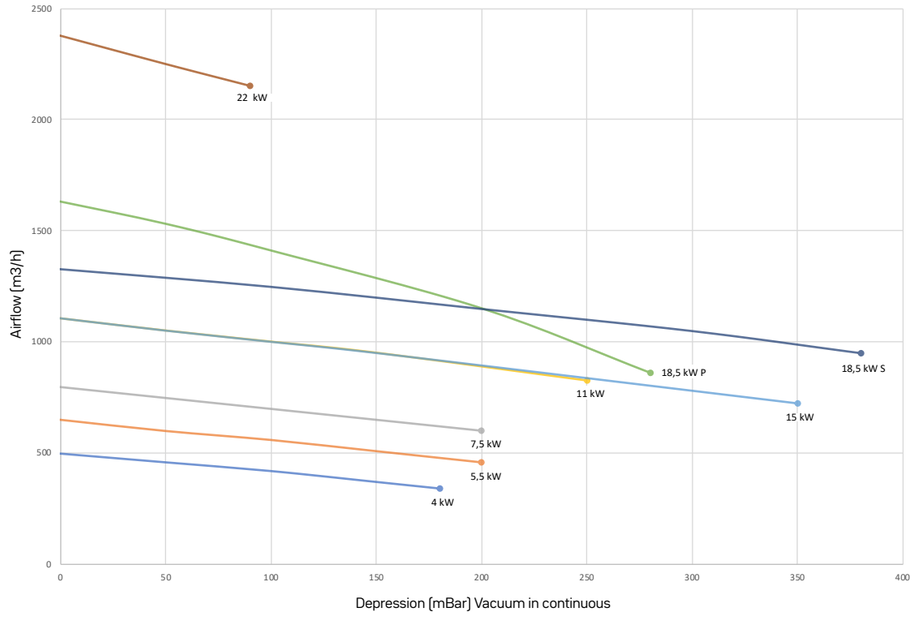

# ATEX
# PERFORMANCE CURVES

## 50 Hz




| Code | Power | Unity |
|---|---|---|
| P11676 | 4kW | CVS 40 ATEX<br>HF 5,5 ATEX |
| P12573 | 5,5kW | CVS 55 ATEX<br>HF 7,5 ATEX |
| P12510/EX | 7,5kW | CVS 75 ATEX<br>PUMA FIX 10 EX<br>HF 10 ATEX |
| P12082/EX | 11kW | CVS 110 ATEX<br>PUMA FIX 15 EX<br>HF 15 ATEX |
| P12428/EX | 15kW | CVS 150 ATEX<br>PUMA FIX 20 EX<br>HF 20 ATEX |
| P13088/EX | 18,5kW P | CVS 158 ATEX<br>PUMA FIX 25 EX<br>HF 25 ATEX |
| X | 18,5kW S | CVS 200 S ATEX<br>HF 30 S ATEX |
| P09175/EX | 22kW | CVS 200 P ATEX<br>HF 30 P ATEX |

## 60 Hz



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