ATEX AND ACD VACUUM CLEANERS

# DV AIR 1100 3D Z22

## TELESCOPIC PRE-SEPARATOR FILTER WITH LOCALIZED DISCHARGE

**APPLICATION**
Powders, solids and shavings

**COLLECTION SYSTEM**
Localized discharge

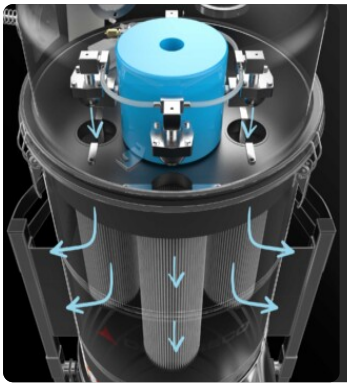
## FEATURES

- Very high filtration efficiency with automatic cleaning system
- Simple maintenance
- Telescopic frame for easy handling
- Multiple construction and material discharge options available

## HIGHLIGHTS

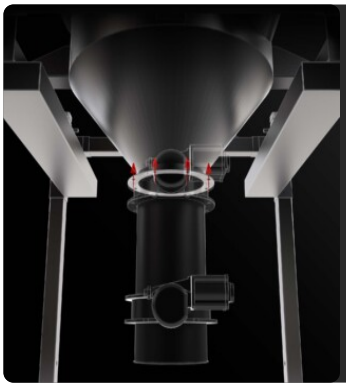
### FILTER UNIT

High-efficiency Class M cartridges ensure maximum dust filtration. A practical hatch facilitates maintenance and replacement operations and avoids the need to remove the cover above, making maintenance operations easier.



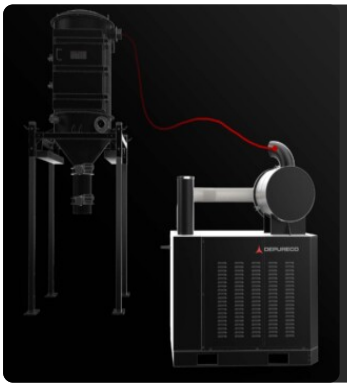
### SP FILTER CLEANING SYSTEM

Automatic filter cleaning system in reverse flow of air at 6 bar (compressed air not supplied as standard). Each filter is cleaned at regular, alternately adjustable intervals without interrupting suction. Ideal for fine and difficult dust.



### CUSTOM EXHAUST SYSTEM

A specific discharge system, intermittent or continuous, can be installed depending on operational needs.



### REQUIRES SUCTION UNIT

This unit performs filtration and collection function, but requires coupling with an external vacuum unit.

## TECHNICAL DATA

### MACHINE

| | |
|---|---|
| **Atex marking** | II 3D Ex htc IIIB T140°C Dc |
| **EX category** | 3D |
| **Intake suction inlet** | 150 |
| **Outlet suction inlet** | 150 Ø mm |
| **Collection system** | Conveyed discharge |
| **Dimensions** | 1500 x 1500 mm |
| **Height** | 4000 mm |
| **Weight** | 528 Kg |
| **Forklift support** | Included |

### FILTRATION

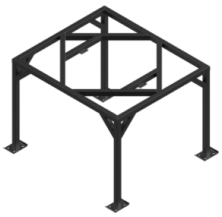
| | |
|---|---|
| **Primary filter type** | 7x Cartridges |
| **Filter surface** | 595000 cm2 |
| **EN 60335-2-69 filtration class** | M |
| **Media** | Antistatic polyester |
| **Filter Cleaning System** | Automatic SP |

# FEATURES

### ATEX CERTIFICATION

### ELECTRICAL PANEL
Electrical panel, implementable with additional functions

### STEEL CONSTRUCTION
Rugged industrial coated steel construction



### STR
Four legs to discharge in big bag

### COMPRESSED AIR SUPPLY VALVE

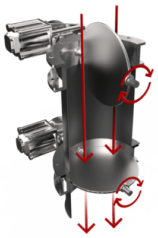
# OPTIONS

## STRUCTURE AND OPTIONS

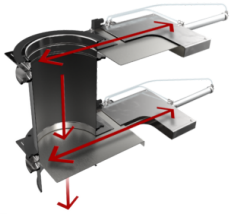
### 3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum

### DISCHARGE WITH COUNTERBALANCED FLAP
The material is automatically discharged every time suction is stopped.

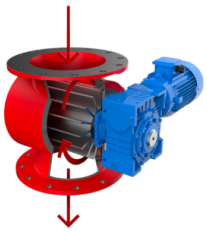
### DISCHARGE WITH BUTTERFLY VALVE
Manual intermittent discharging system with butterfly valve
Manual discharging butterfly valve



### DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES
System with valves that open alternately to allow the material to be discharged and the vacuum to be maintained at the same time.
Double electro pneumatic discharging butterfly valve ATEX



### DOUBLE DISCHARGE WITH ELECTRO-PNEUMATIC DAMPERS
System with dampers that open alternately to allow the material to be discharged and the vacuum to be maintained at the same time.

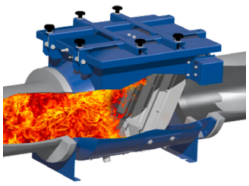


### ROTARY VALVE FOR CONTINUOUS DISCHARGE
The valve rotates continuously allowing a constant and uniform discharge of the aspirated material.
Rotary valve for continuous hopper discharge

### ROTARY LEVEL SENSOR
Sensor with rotating paddle that sends a signal when the container is full to immediately stop suction

### FLAMELESS VENT
A valve that contains the flame and the overpressure generated by a possible explosion.

### PANEL VENT FOR DIRECTIONAL EXPLOSION
An explosion vent designed to break at a specific pressure and release the explosive pressure in a safe area.
Panel vent for explosion



### NON-RETURN VALVE
Isolates explosion and prevents it from spreading from the industrial vacuum to the pipe