

ATEX AND ACD VACUUM CLEANERS

# DV AIR 1100 3D Z22

## TELESCOPIC PRE-SEPARATOR FILTER WITH LOCALIZED DISCHARGE



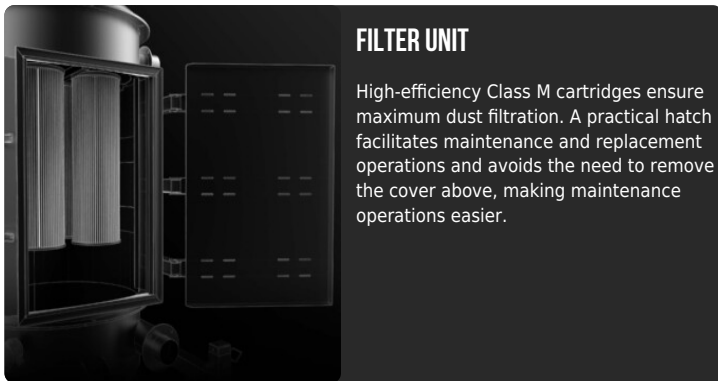
**APPLICATION**  
Powders, solids and shavings



**COLLECTION SYSTEM**  
Localized discharge

**FEATURES**

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

**HIGHLIGHTS**

**FILTER UNIT**

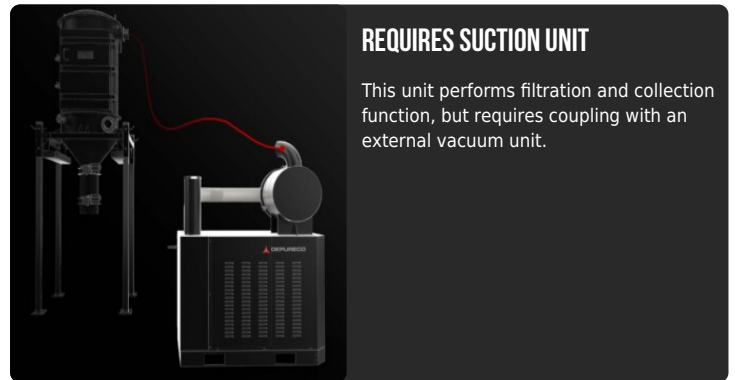
High-efficiency Class M cartridges ensure maximum dust filtration. A practical hatch facilitates maintenance and replacement operations and avoids the need to remove the cover above, making maintenance operations easier.


**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 cm <sup>2</sup>
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

OPTIONS

STRUCTURE AND OPTIONS



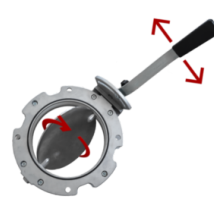
**3 YEARS WARRANTY**

Purchasing the replacement filter along with the vacuum



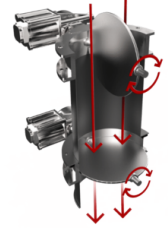
**DISCHARGE WITH COUNTERBALANCED FLAP**

The material is automatically discharged every time suction is stopped.



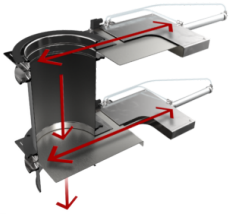
**DISCHARGE WITH BUTTERFLY VALVE**

Manual intermittent discharging system with butterfly valve  
Manual discharging butterfly valve



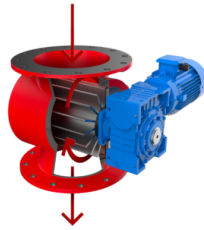
**DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES**

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



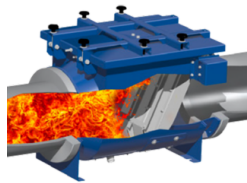
**FLAMELESS VENT**

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