

ATEX AND ACD VACUUM CLEANERS

# PUMA FIX 10 3D Z22

## FIXED INDUSTRIAL ATEX VACUUM CLEANER FOR SUCTION SYSTEMS



**POWER**  
7,5 kW - 10 HP



**APPLICATION**  
Powders, solids and  
shavings

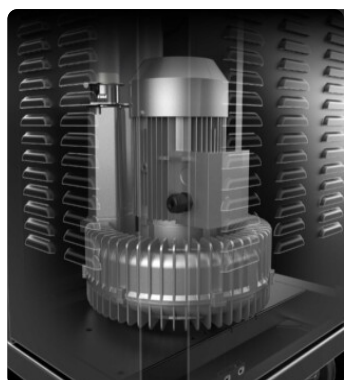


**CAPACITY**  
175 Lt

## FEATURES

- Powerful Atex-certified side-channel blowers suitable for continuous operation
- Easy to move with a forklift truck
- Ideal for installation in centralized systems
- Integrated cyclonic system to extend the useful life of the vacuum cleaner

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a manufacturer-certified Atex side channel blower with direct coupling between motor and impeller. The Side Channel Blower is equipped with a safety valve that ensures continuous work, without any maintenance.



### FILTER UNIT

The tangential inlet facilitates the deposition of the sucked material in the container due to the cyclonic effect. Filtration is ensured by a polyester cartridge filter in class M (filtration efficiency 1 micron) with a high filtering surface area, which guarantees the passage of air even with a dirty filter.



### 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.



### COLLECTION UNIT

The material is collected inside an AISI 304 stainless steel container, complete with a metal handle that allows its release, to avoid any sparks that could be generated by the electrostatic charge.

## TECHNICAL DATA

### MOTOR

|                          |                          |
|--------------------------|--------------------------|
| Typologies               | Atex side channel blower |
| Power                    | 7,5 kW - 10 HP           |
| Frequency                | 50/60 Hz                 |
| Voltage                  | 400 V                    |
| Vacuum in continuous run | 260 mBar                 |
| Maximum air flow         | 730 m3/h                 |
| Insulation class         | 55   F IP                |
| Noise level              | 74 dB(A)                 |
| Remote control           | Free connector available |
| Electrical panel         | Included                 |

### MACHINE

|                       |                                   |
|-----------------------|-----------------------------------|
| Atex marking          | II 3D Ex htc IIIB T140°C Dc       |
| EX category           | 3D                                |
| Operating temperature | -10/+40 C°                        |
| Suction inlet         | 100 Ø mm                          |
| Collection system     | AISI304 stainless steel container |
| Capacity              | 175 Lt                            |
| Dimensions            | 840 x 1700 mm                     |
| Height                | 1970 mm                           |
| Safety valve          | Pressure relief valve             |
| Forklift support      | Included                          |

### FILTRATION

|                                |                      |
|--------------------------------|----------------------|
| Primary filter type            | 4x Cartridges        |
| Filter surface                 | 120000 cm2           |
| EN 60335-2-69 filtration class | M                    |
| Media                          | Antistatic polyester |
| Filter Cleaning System         | Automatic SP         |

## FEATURES



### ELECTRICAL PANEL

Electrical panel, implementable with additional functions



### ATEX CERTIFICATION



### ANTISTATIC FILTRATION

Antistatic filtration to discharge static energy



### 4-PIN ATEX INDUSTRIAL PLUG



### VACUUM GAUGE

Vacuum gauge for indication of filter clogged or in need of replacement

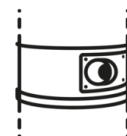


### POWER SUPPLY CABLE



### STEEL CONSTRUCTION

Rugged industrial coated steel construction



### CYCLONIC EFFECT

Tangential inlet and cyclone installed



### PRV

Pressure relief valve installed



### GRD

Grounding



### BX

Stainless steel bin AISI 304



### SP

Automatic reverse jet cleaning system

## OPTIONS

### AVAILABLE FILTER MEDIA



#### HEPA 14

Absolute filter (EN 1822)  
110.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber

### STRUCTURE AND OPTIONS

**60<sup>Hz</sup>**

#### 60HZ

Available in 60Hz version



#### 3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



#### 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



#### GX

Stainless steel bin and chamber AISI 304