

ATEX AND ACD VACUUM CLEANERS

# PUMA FIX 20 3D Z22

## FIXED INDUSTRIAL ATEX VACUUM CLEANER FOR SUCTION SYSTEMS



**POWER**  
15 kW - 20 HP



**APPLICATION**  
Powders, solids and shavings



**CAPACITY**  
175 Lt

## FEATURES

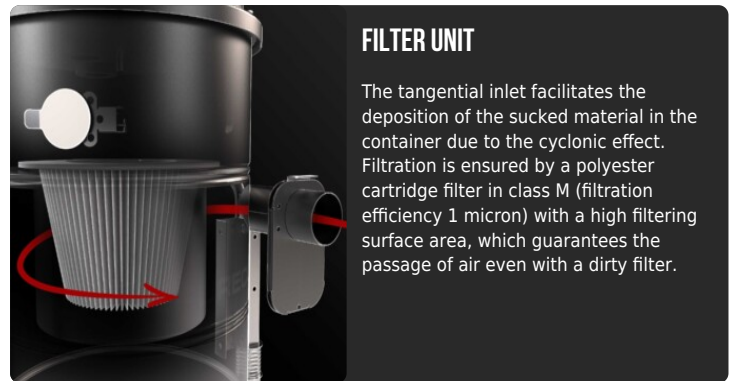
- Powerful Atex-certified side-channel blowers suitable for continuous operation
- Easy to move with a forklift truck
- Ideal for installation in centralized systems
- Integrated cyclonic system to extend the useful life of the vacuum cleaner

## 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	15 kW - 20 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	350 mBar
Maximum air flow	950 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	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

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



**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