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
- Ideal for installation in centralized systems
- Easy to move with a forklift truck
- Integrated cyclonic system to extend the useful life of the vacuum cleaner

HIGHLIGHTS



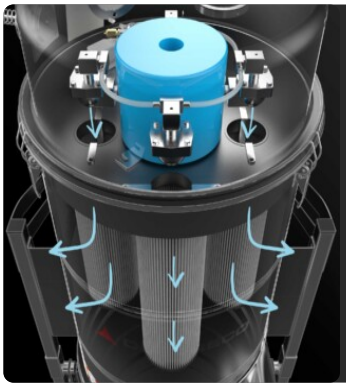
SUCTION UNIT

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

FEATURES



ELECTRICAL PANEL
Electrical panel, implementable with additional functions



ATEX CERTIFICATION



ANTISTATIC FILTRATION
Antistatic filtration to discharge static energy



4-PIN ATEX INDUSTRIAL PLUG



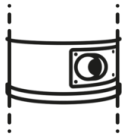
VACUUM GAUGE
Vacuum gauge for indication of filter clogged or in need of replacement



POWER SUPPLY CABLE



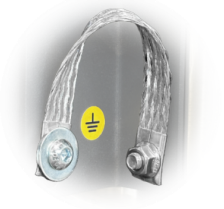
STEEL CONSTRUCTION
Rugged industrial coated steel construction



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 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber

STRUCTURE AND OPTIONS

60HZ

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