

ATEX AND ACD VACUUM CLEANERS

# PUMA 25 SP 1/2D Z20/21

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



**POWER**  
18,5 kW - 25 HP



**APPLICATION**  
Combustible dusts



**CAPACITY**  
175Lt

## FEATURES

- Suitable and safe for intensive work in Atex 21 zones
- High efficiency antistatic filtration with integrated automatic cleaning system and grounding
- Maximum power thanks to the Atex certified blower
- Ideal for large centralized suction systems

## 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

Filtration is ensured by polyester cartridge filters in class M (filtration efficiency 1 micron) with high filtering surface area, which guarantees the passage of air even with 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	18,5 kW - 25 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	270 mBar
Maximum air flow	1350 m3/h
Insulation class	65   F IP
Noise level	74 dB(A)

### MACHINE

Atex marking	II 1/2D Ex htc IIIC T140°C Da/Dc
EX category	1/2D
Operating temperature	-10/+40 C°
Suction inlet	100 Ø mm
Collection system	AISI304 stainless steel container
Capacity	175 Lt
Dimensions	850 x 1550 mm
Height	1980 mm
Weight	370 Kg
Safety valve	Pressure relief valve

### 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



### THIRD PARTY ATEX CERTIFICATION



### ELECTRICAL PANEL

Electrical panel, implementable with additional functions



### 4-PIN ATEX INDUSTRIAL PLUG



### ANTISTATIC FILTRATION

Antistatic filtration to discharge static energy



### VACUUM GAUGE

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



### POWER SUPPLY CABLE



### WHEEL WITH BRAKE

Non-marking wheel with integrated brake



### WHEELS

Non-marking pivoting wheels



### 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

**OPTIONS**
**AVAILABLE FILTER CLEANING SYSTEMS**

**SP**

Automatic reverse jet cleaning system  
 Antistatic M class filter (EN 60335-2-69), 4  
 Polyester filter cartridges, 12 m<sup>2</sup> filter surface

**AVAILABLE FILTER MEDIA**

**HEPA 14**

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


**PTFE ANT**

Antistatic PTFE filter (M class EN  
 60335-2-69)

## STRUCTURE AND OPTIONS

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

### 60HZ

Available in 60Hz version



### 3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



### CONTAINER EMPTYING KIT

System for easy container emptying using forklift lifting.



### 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



### FKL

Forklift bracket



### 6X

Stainless steel bin and chamber AISI 304