

ATEX AND ACD VACUUM CLEANERS

PUMA 25 SP 1/2D Z20/21 ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER





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



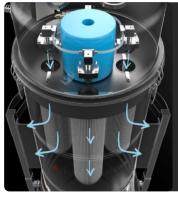
SUCTION UNIT

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.

Safety valve



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

Pressure relief valve

FILTRATION

Primary filter type	4x Cartridges
Filter surface	120000 cm2
EN 60335-2-69 filtration class	М
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



ВX

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 m² filter surface

AVAILABLE FILTER MEDIA



HEPA 14Absolute filter (EN 1822)
110.000 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber



PTFE ANT Antistatlc PTFE filter (M class EN 60335-2-69)



STRUCTURE AND OPTIONS

60[®] HZ

60HZ

Available in 60Hz version



3 YEARS WARRANTY

Purchasing the replacement filter along with



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



GX

Stainless steel bin and chamber AISI 304