

ATEX AND ACD VACUUM CLEANERS

PUMA 25 1/2D Z20/21

EXPLOSION-PROOF ATEX 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
- Maximum safety thanks to antistatic filtration and complete earthing
- Maximum power thanks to the Atex certified blower
- Ideal for large centralized suction systems

HIGHLIGHTS



SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The turbine is equipped with a safety valve to ensure continuous, maintenance-free work. A metal silencer is included as standard in the turbine to ensure a low noise level.



FILTER UNIT

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



FILTER CLEANING SYSTEM

An ergonomic manual filter shaker allows the filter to be cleaned easily and quickly, removing dust and debris from the surface of the filter.



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	Star
Filter surface	45000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Manual

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 m² filter surface

AVAILABLE FILTER MEDIA



HEPA 14

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



PTFE ANT

Antistatic 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 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