

TECHNICAL DATA SHEET

ATEX AND ACD VACUUM CLEANERS

PUMA 25 1/2D Z20/21 Explosion-proof atex industrial Vacuum cleaner

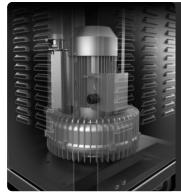




FEATURES

- 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)

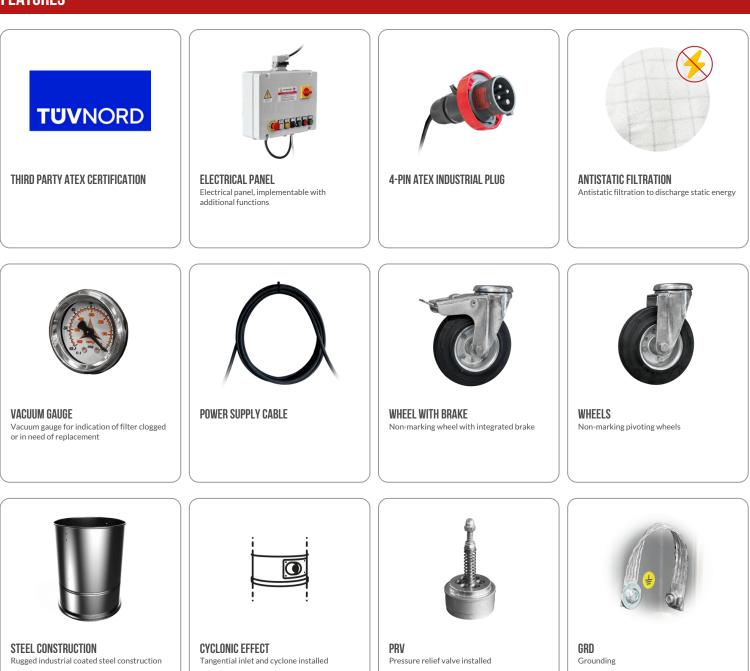
MACHINE

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

Star
45000 cm2
М
Antistatic polyester
Manual









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



STRUCTURE AND OPTIONS



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



GX Stainless steel bin and chamber AISI 304