

ATEX AND ACD VACUUM CLEANERS

# PUMA 30 S DEX 1/3D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



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



**APPLICATION**  
Combustible dusts

## FEATURES

- Suitable and safe for intensive work in Atex 22 zones
- High efficiency antistatic filtration with integrated automatic cleaning system and grounding
- Maximum power thanks to the Atex certified turbine
- 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.



### 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.



### INTERNAL CERTIFICATION CAT 1D - ZONE 20

Thanks to its 1D - Zone 20 certified chamber, the vacuum cleaner guarantees maximum safety and compliance when vacuuming combustible or conductive dusts (Group IIIC), even when these are contained within the unit.



### 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 3D side channel blower
Power	18,5 kW - 25 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	380 mBar
Maximum air flow	1180 m3/h
Insulation class	65   F IP
Noise level	78 dB(A)

### MACHINE

Atex marking	II 1/3D Ex htc IIIC T140°C Da/Dc
EX category	1/3D
Operating temperature	-10/+40 C°
Suction inlet	130 Ø mm
Dimensions	1050 x 1950 mm
Height	2300 mm
Weight	620 Kg
Safety valve	Pressure relief valve

### FILTRATION

Primary filter type	4x Cartridges
Filter surface	180000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

OPTIONS

AVAILABLE FILTER MEDIA



**HEPA 14**  
Absolute filter (EN 1822)  
110.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber

STRUCTURE AND OPTIONS



**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



**RC**  
Remote control 24V ON/OFF



**CONTAINER EMPTYING KIT**  
System for easy container emptying using forklift lifting.

ACCESSORIES



**P14899**

**ANTISTATIC KIT Ø 70MM**

Complete kit of antistatic accessories for vacuuming dust and solids with a diameter of 70 mm.



**P09319**

**TILTABLE SEPARATOR WITH CYCLONE HEAD (580 LT)**

Separator in sturdy painted steel, can be lifted and tilted with the forklift. Fitted with a cyclone capable of breaking down the vacuumed m ...