

# ATEX AND ACD VACUUM CLEANERS

# PUMA 30 S 1/2D Z20/21 ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER





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



APPLICATION

Combustible dusts



# **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 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.



#### 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.

**MACHINE** 



#### **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	380 mBar
Maximum air flow	1180 m3/h
Insulation class	65   F IP
Noise level	78 dB(A)

#### II 1/2D Ex htc IIIC Atex marking T140°C Da/Dc 1/2D **EX** category Operating temperature -10/+40 C° Suction inlet Dimensions

#### $130\,\text{Ø}\,\text{mm}$ 1050 x 1950 mm Height 2300 mm Weight 620 Kg Pressure relief valve Safety valve

#### **FILTRATION**

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



# **FEATURES**



THIRD PARTY ATEX CERTIFICATION



**4-PIN ATEX INDUSTRIAL PLUG** 



ANTISTATIC FILTRATION Antistatic filtration to discharge static energy



POWER SUPPLY CABLE



WHEEL WITH BRAKE

Non-marking wheel with integrated brake



WHEELS

Non-marking pivoting wheels



STEEL CONSTRUCTION

Rugged industrial coated steel construction



Stainless steel bin AISI 304



SP

Automatic reverse jet cleaning system



CYCLONIC EFFECT

Tangential inlet and cyclone installed



GRD

Grounding



FKL

Forklift bracket



# **OPTIONS**

# **AVAILABLE FILTER MEDIA**



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

# STRUCTURE AND OPTIONS



Available in 60Hz version



**3 YEARS WARRANTY** 

Purchasing the replacement filter along with



**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  $\dot{\mbox{\ \ }}$  specific pressure and release the explosive pressure in a safe area. Panel vent for explosion



Stainless steel bin and chamber AISI 304



Remote control 24V ON/OFF



#### **CONTAINER EMPTYING KIT**

System for easy container emptying using forklift lifting.



# **ACCESSORIES**



# P09319 TILTABLE SEPARATOR WITH CYCLONE HEAD (580

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