

# ATEX AND ACD VACUUM CLEANERS

# PUMA 30 P 1/3D Z20/22 ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER





POWER 22 kW - 30 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.



#### **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.



# **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	22 kW - 30 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	200 mBar
Maximum air flow	1985 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	560 Kg
Safety valve	Pressure relief valve

#### **FILTRATION**

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



# **FEATURES**



THIRD PARTY ATEX CERTIFICATION



**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



BX Stainless steel bin AISI 304



5-PIN ATEX INDUSTRIAL PLUG



**\$P**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 ...