

ATEX AND ACD VACUUM CLEANERS

# PUMA 30 S DEX 1/2D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



POWER  
18,5 kW - 25 HP

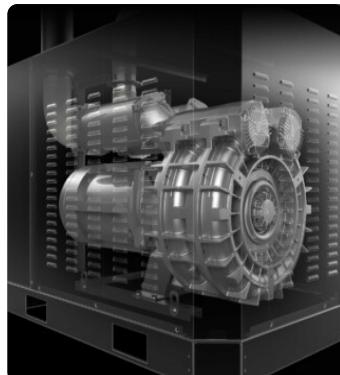


APPLICATION  
Combustible dusts

## FEATURES

- Suitable and safe for intensive work in Atex 21 zones or 22
- 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 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

The tangential inlet facilitates the cyclonic effect to deposit the sucked material in the container. Filtration is provided by two progressive efficiency filters installed in series: a primary star polyester filter in class M (filtering efficiency 1 micron) with high filtering surface area and a secondary absolute filter in class H14.



### 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.

## 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 1/2D Ex htc IIIC T140°C Da/Dc
EX category	1/2D
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
Secondary Absolute Filter	H14 - Included

## FEATURES



## THIRD PARTY ATEX CERTIFICATION



## DRY TYPE VACUUM CLEANER

Atex-certified vacuum cleaner with dry dust filtration, as per EN17348



## HEPA 14

Absolute filter (EN 1822)



## 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



## BX

Stainless steel bin AISI 304



## SP

Automatic reverse jet cleaning system



## CYCLONIC EFFECT

Tangential inlet and cyclone installed



## GRD

Grounding



## FKL

Forklift bracket



## RC

Remote control 24V ON/OFF

## OPTIONS

### STRUCTURE AND OPTIONS

# 60 Hz

#### 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



#### CONTAINER EMPTYING KIT

System for easy container emptying using forklift lifting.

## ACCESSORIES



#### P09319

##### LT TILTABLE SEPARATOR WITH CYCLONE HEAD Ø580

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



#### P14899

##### ANTISTATIC KIT Ø 70MM

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