

ATEX AND ACD VACUUM CLEANERS

# PUMA 10 SP DEX 1/2D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



**POWER**  
7,5 kW - 10 HP



**APPLICATION**  
Combustible dusts

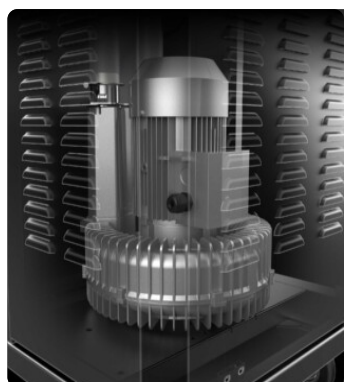


**CAPACITY**  
175 Lt

## FEATURES

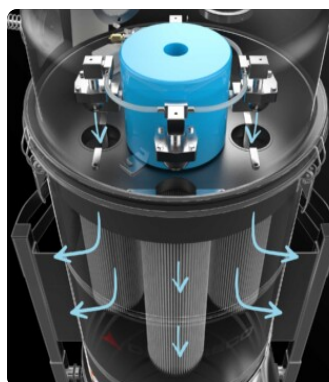
- Suitable and safe for intensive work in Atex 21 or 22 zones
- High efficiency antistatic filtration with integrated automatic cleaning system and grounding
- Maximum power thanks to the Atex certified blower
- Ideal for large centralized suction systems

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a 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                    | 7,5 kW - 10 HP              |
| Frequency                | 50/60 Hz                    |
| Voltage                  | 400 V                       |
| Vacuum in continuous run | 280 mBar                    |
| Maximum air flow         | 700 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                | 295 Kg                            |
| Safety valve          | Pressure relief valve             |

### FILTRATION

|                                |                      |
|--------------------------------|----------------------|
| Primary filter type            | 4x Cartridges        |
| Filter surface                 | 120000 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)



**ELECTRICAL PANEL**  
Electrical panel, implementable with additional functions



**4-PIN ATEX INDUSTRIAL PLUG**



**ANTISTATIC FILTRATION**  
Antistatic filtration to discharge static energy



**VACUUM GAUGE**  
Vacuum gauge for indication of filter clogged or in need of replacement



**POWER SUPPLY CABLE**



**WHEEL WITH BRAKE**  
Non-marking wheel with integrated brake



**WHEELS**  
Non-marking pivoting wheels



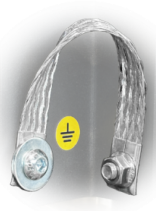
**STEEL CONSTRUCTION**  
Rugged industrial coated steel construction



**CYCLONIC EFFECT**  
Tangential inlet and cyclone installed



**PRV**  
Pressure relief valve installed



**GRD**  
Grounding



**BX**  
Stainless steel bin AISI 304

## OPTIONS

## AVAILABLE FILTER CLEANING SYSTEMS

**SP**

Automatic reverse jet cleaning system  
Antistatic M class filter (EN 60335-2-69), 4  
Polyester filter cartridges, 12 m<sup>2</sup> filter surface

## AVAILABLE FILTER MEDIA

**PTFE ANT**

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

## STRUCTURE AND OPTIONS

**60<sup>Hz</sup>**

**60HZ**

Available in 60Hz version



**3 YEARS WARRANTY**

Purchasing the replacement filter along with the vacuum



**CONTAINER TILTABLE 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

## ACCESSORIES



**P14899**

**ANTISTATIC KIT Ø 70MM**

Maximum efficiency and antistatic safety for removing large volumes of conductive material. - 5-meter antistatic PUR hose - 2x antistati ...