

ATEX AND ACD VACUUM CLEANERS

# PUMA 15 1/3D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



**POTENZA**  
11 kW - 15 HP



**APPLICAZIONE**  
Combustible dusts



**CAPACITA'**  
175Lt

## VANTAGGI

- Suitable and safe for intensive work in Atex 22 zones
- Maximum safety thanks to antistatic filtration and complete earthing
- 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

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.



### FILTER CLEANING SYSTEM

An ergonomic manual filter shaker allows the filter to be cleaned easily and quickly, removing dust and debris from the surface of the filter.



### 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

### MOTORE

Tipologie	Atex side channel blower
Potenza	11 kW - 15 HP
Frequenza	50/60 Hz
Voltaggio	400 V
Vuoto in continuo	300 mBar
Massima portata d'aria	920 m3/h
Classe di isolamento	65   F IP
Livello di rumorosità	74 dB(A)

### MACCHINA

Marcatura ATEX	II 1/3D Ex htc IIIC T140°C Da/Dc
Categoria EX	1/3D
Temperatura di utilizzo	-10/+40 C°
Bocca aspirante	100 Ø mm
Sistema di raccolta	AISI304 stainless steel container
Capacità	175 Lt
Dimensioni	850 x 1550 mm
Altezza	1980 mm
Peso	270 Kg
Valvola di sicurezza	Pressure relief valve

### FILTRAZIONE

Tipologia filtro primario	Star
Superficie filtrante	45000 cm2
Classe filtrazione EN 60335-2-69	M
Media	Antistatic polyester
Sistema Pulizia filtro	Manual

DOTAZIONI



**THIRD PARTY ATEX CERTIFICATION**



**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



#### HEPA 14

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



#### 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 EMPTYING 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



**6X**

Stainless steel bin and chamber AISI 304