

ATEX AND ACD VACUUM CLEANERS

# PUMA 20 SP 1/3D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



**POTENZA**  
15 kW - 20 HP



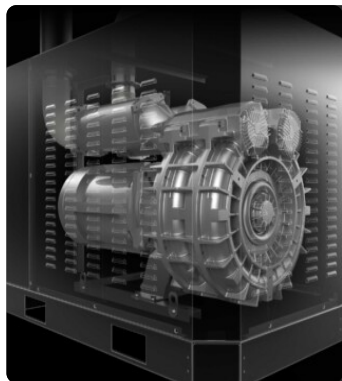
**APPLICAZIONE**  
Combustible dusts



**CAPACITA'**  
175Lt

**VANTAGGI**

- 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 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**

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**
**MOTORE**

Tipologie	Atex side channel blower
Potenza	15 kW - 20 HP
Frequenza	50/60 Hz
Voltaggio	400 V
Vuoto in continuo	350 mBar
Massima portata d'aria	920 m3/h
Classe di isolamento	65   F IP
Livello di rumorosità	74 dB(A)

**MACCHINA**

Marchatura 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	290 Kg
Valvola di sicurezza	Pressure relief valve

**FILTRAZIONE**

Tipologia filtro primario	4x Cartridges
Superficie filtrante	120000 cm2
Classe filtrazione EN 60335-2-69	M
Media	Antistatic polyester
Sistema Pulizia filtro	Automatic SP

**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**



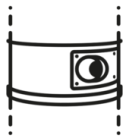
**WHEEL WITH BRAKE**  
Non-marking wheel with integrated brake



**WHEELS**  
Non-marking pivoting wheels



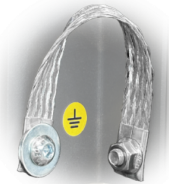
**STEEL CONSTRUCTION**  
Rugged industrial coated steel construction



**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



**GX**

Stainless steel bin and chamber AISI 304