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

CAPACITY
175 Lt

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

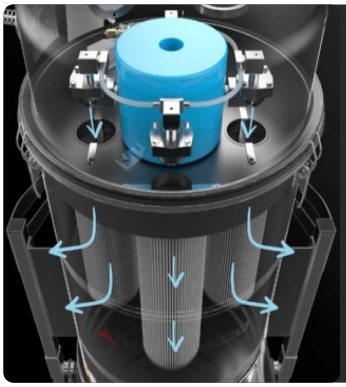
HIGHLIGHTS

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
Collection system	AISI304 stainless steel container
Capacity	175 Lt
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

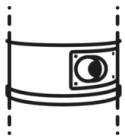
Rugged industrial coated steel construction

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

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 TILTABLE KIT
System for easy container emptying using forklift lifting.

ACCESSORIES

P09319
TILTABLE SEPARATOR WITH CYCLONE HEAD (580 LT)
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
Maximum efficiency and antistatic safety for removing large volumes of conductive material. - 5-meter antistatic PUR hose - 2x antistati ...