

ATEX AND ACD VACUUM CLEANERS

PUMA 30 P DEX 1/2D

ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



POWER
22 kW - 30 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.



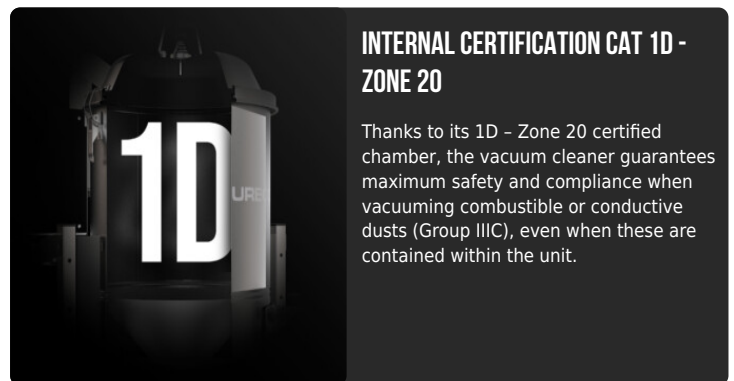
FILTER UNIT

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 | 22 kW - 30 HP |
| Frequency | 50/60 Hz |
| Voltage | 400 V |
| Vacuum in continuous run | 200 mBar |
| Maximum air flow | 1985 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 | 560 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 |

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 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 ...