ATEX AND ACD VACUUM CLEANERS

AC 100 3G-3D Z2-22

ATEX PNEUMATIC INDUSTRIAL VACUUM CLEANER

APPLICATION
Powders, solids and shavings

CAPACITY
100 Lt

FEATURES

- Suitable and safe for intensive work in Atex zones 2 or 22
- Powered by compressed air
- High filtration capacity and efficiency
- Multiple construction options available

HIGHLIGHTS

SUCTION UNIT

Suction is generated by a venturi tube, a device that makes it possible to generate excellent suction performance without any kind of mechanical movement or electrical component.

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

MOTOR

Typologies	Venturi tube
Vacuum in continuous run	500 mBar
Maximum air flow	480 m3/h
Noise level	70 dB(A)
Air required	1300 - 1500 lt/min
Pressure requirement	6 - 8 Bar

MACHINE

Atex marking	II 3D Ex h IIIC T140°C Dc | II 3G Ex h IIB T3 Gc
EX category	3D - 3G
Operating temperature	-10/+40 C°
Suction inlet	80 Ø mm
Collection system	AISI304 stainless steel container
Capacity	100 Lt
Dimensions	660 x 800 mm
Height	1200 mm
Weight	66 Kg

FILTRATION

Primary filter type	Star
Filter surface	24000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Manual

FEATURES

ATEX CERTIFICATION

PUSH HANDLE

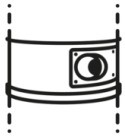
ANTISTATIC FILTRATION
Antistatic filtration to discharge static energy

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

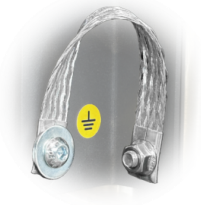
WHEEL WITH BRAKE
Non-marking wheel with integrated brake

WHEELS
Non-marking pivoting wheels

STEEL CONSTRUCTION
Rugged industrial coated steel construction



CYCLONIC EFFECT
Tangential inlet and cyclone installed



GRD
Grounding

BX
Stainless steel bin AISI 304

OPTIONS

AVAILABLE FILTER MEDIA

HEPA 14
Absolute filter (EN 1822)
22.000 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber

PTFE ANT
Antistatlc PTFE filter (M class EN 60335-2-69)

STRUCTURE AND OPTIONS

3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum

GX
Stainless steel bin and chamber AISI 304

ACCESSORIES

P12377
ANTISTATIC KIT PRO Ø 50MM
Electrically conductive solution for maximum protection against static discharge. - 3 m of electrically conductive EVA - 2 anti-static r ...

P13642
ANTISTATIC KIT PRO Ø 40MM
Complete antistatic system for thorough cleaning of sensitive production environments. - 3 m of electrically conductive EVA tubing - 1x ...

P12378
ANTISTATIC STARTER KIT Ø 50MM
Certified basic configuration for charge dissipation on medium-diameter cables. - 3 m of electrically conductive EVA - 2 anti-static rub ...

P13641
ANTISTATIC STARTER KIT Ø 40MM
Safety kit for areas with electrostatic hazards, ideal for fine and conductive dust. - 3 m of electrically conductive EVA tubing - 1x 50 ...