

ATEX AND ACD VACUUM CLEANERS

FOX 5,5 SP DEX 1/3D

ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



POWER
4 kW - 5,5 HP



APPLICATION
Combustible dusts

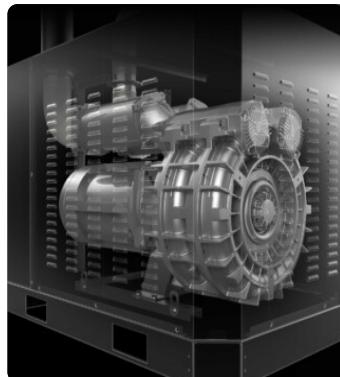


CAPACITY
100 Lt

FEATURES

- Suitable and safe for intensive work in Atex 22 zones
- ATEX certified turbine
- Category 1D certified internal protection for maximum safety
- High-efficiency antistatic filtration with integrated automatic cleaning system

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.



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, adjustable intervals alternately 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.



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	Atex 3D side channel blower
Power	4 kW - 5,5 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	230 mBar
Maximum air flow	450 m3/h
Insulation class	65 F IP
Noise level	73 dB(A)

MACHINE

Atex marking	II 1/3D Ex htc IIIC T140°C Da/Dc
EX category	1/3D
Operating temperature	-20/+40 C°
Suction inlet	80 Ø mm
Collection system	AISI304 stainless steel container
Capacity	100 Lt
Dimensions	660 x 1200 mm
Height	1860 mm
Weight	157 Kg
Safety valve	Pressure relief valve

FILTRATION

Primary filter type	3x Cartridges
Filter surface	90000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

FEATURES



THIRD PARTY ATEX CERTIFICATION



DRY TYPE VACUUM CLEANER

Atex-certified vacuum cleaner with dry dust filtration, as per EN17348



ANTISTATIC FILTRATION

Antistatic filtration to discharge static energy



4-PIN ATEX INDUSTRIAL PLUG



VACUUM GAUGE

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



POWER SUPPLY CABLE



WHEEL WITH BRAKE



WHEELS

Non-marking pivoting wheels



STEEL CONSTRUCTION

Rugged industrial coated steel construction



CYCLONIC EFFECT

Tangential inlet and cyclone installed



BX

Stainless steel bin AISI 304



PRV

Pressure relief valve installed



GRD

Grounding

OPTIONS

AVAILABLE FILTER MEDIA

**HEPA 14**

Absolute filter (EN 1822)
28.000 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber

STRUCTURE AND OPTIONS

60  HZ**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.

**SPARK TRAP**

Built to capture sparks produced during welding, sanding, or polishing operations on metal parts

**GX**

Stainless steel bin and chamber AISI 304

ACCESSORIES

**P13641****ANTISTATIC STARTER KIT Ø 40MM**

Basic kit containing antistatic accessories for application with 40 mm diameter ATEX vacuum cleaner

**P13642****ANTISTATIC KIT PRO Ø 40MM**

Kit containing antistatic accessories for application with 40 mm diameter ATEX vacuum cleaner

**P14901/EX****VERTIDEX – ATEX-CERTIFIED ACCESSORY KIT FOR
CLEANING AT HEIGHT Ø 40MM****P12378****ANTISTATIC STARTER KIT Ø 50MM**

Basic kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner

**P12377****ANTISTATIC KIT PRO Ø 50MM**

Kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner