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

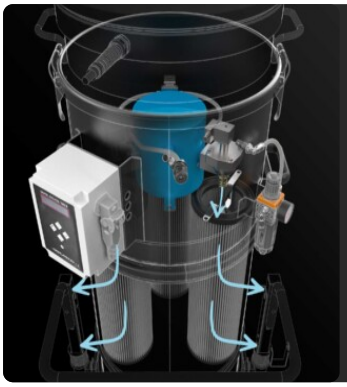
- Suitable and safe for intensive work in Atex 22 zones
- Category 1D certified internal protection for maximum safety
- ATEX certified turbine
- High-efficiency antistatic filtration with integrated automatic cleaning system

## 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



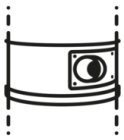
### WHEEL WITH BRAKE
Non-marking wheel with integrated brake



### WHEELS
Non-marking pivoting wheels



### STEEL CONSTRUCTION
Rugged industrial coated steel construction



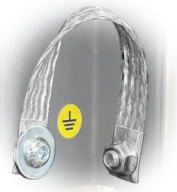
### CYCLONIC EFFECT
Tangential inlet and cyclone installed



### 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

60HZ

### 60HZ
Available in 60Hz version



### 3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum



### CONTAINER TILTABLE 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**
Safety kit for areas with electrostatic hazards, ideal for fine and conductive dust. - 3 m of electrically conductive EVA tubing - 1x 50 ...



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



## P14901/EX
**VERTIDEX – ATEX-CERTIFIED ACCESSORY KIT FOR CLEANING AT HEIGHT Ø 40MM**
An ultra-lightweight carbon fiber extension system, conductive and ATEX Category 2D certified, designed to reach hard-to-reach areas and ele ...



## 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 ...



## 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 ...