

ATEX AND ACD VACUUM CLEANERS

# FOX 7,5 DEX 1/2D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



Watch the video!



**POWER**  
5,5 kW - 7,5 HP



**APPLICATION**  
Combustible dusts



**CAPACITY**  
100 Lt

## FEATURES

- Suitable and safe for intensive work in Atex 21 zones
- ATEX-certified blower
- Category 1D certified internal protection for maximum safety
- High-efficiency antistatic filtration with integrated manual 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.



### 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.



### 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	5,5 kW - 7,5 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	240 mBar
Maximum air flow	550 m3/h
Insulation class	65   F IP
Noise level	74 dB(A)

### MACHINE

Atex marking	II 1/2D Ex htc IIIC T140°C Da/Dc
EX category	1/2D
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	1510 mm
Weight	177 Kg
Safety valve	Pressure relief valve

### FILTRATION

Primary filter type	Star
Filter surface	24000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Manual
Secondary Absolute Filter	H14 - Included

**OPTIONS**

**AVAILABLE FILTER MEDIA**



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

**STRUCTURE AND OPTIONS**

**60<sup>Hz</sup>** 

**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 ...