

ATEX AND ACD VACUUM CLEANERS

# FOX 7,5 DEX 1/3D

## 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 22 zones
- ATEX-certified blower
- Certified Category 1D 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 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.



### 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 1/3D 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	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

## 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


**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 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



### P12377

#### ANTISTATIC KIT PRO Ø 50MM

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



### P13642

#### ANTISTATIC KIT PRO Ø 40MM

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



### P12378

#### ANTISTATIC STARTER KIT Ø 50MM

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



### P13641

#### ANTISTATIC STARTER KIT Ø 40MM

Basic 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