

## 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

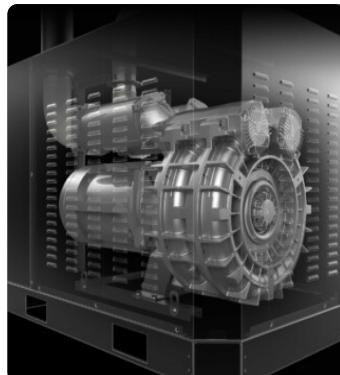


CAPACITY  
100 Lt

## 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



## 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 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber

**PTFE ANT**

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

## 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

**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**