

ATEX AND ACD VACUUM CLEANERS

# FOX 10 SP DEX 1/2D

## ATEX EXPLOSION-PROOF INDUSTRIAL VACUUM CLEANER



**POWER**  
7,5 kW - 10 HP



**APPLICATION**  
Combustible dusts

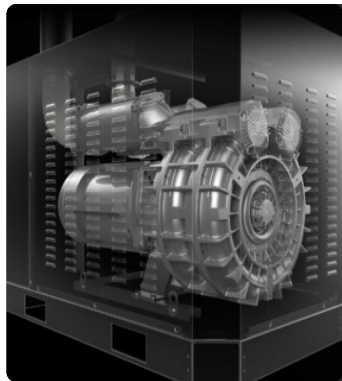


**CAPACITY**  
100 Lt

## FEATURES

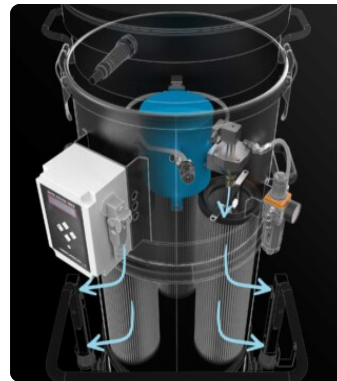
- Suitable and safe for intensive work in Atex 21 zones
- ATEX certified blower
- Category 1D certified internal protection for maximum safety
- Progressive efficiency multistage anti-static filtration (up to H14) with integrated automatic cleaning system

## 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	7,5 kW - 10 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	280 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	1860 mm
Weight	242 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
Secondary Absolute Filter	H14 - Included

## FEATURES



**THIRD PARTY ATEX CERTIFICATION**



**DRY TYPE VACUUM CLEANER**  
Atex-certified vacuum cleaner with dry dust filtration, as per EN17348



**4-PIN ATEX INDUSTRIAL PLUG**



**ANTISTATIC FILTRATION**  
Antistatic filtration to discharge static energy



**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



**PRV**  
Pressure relief valve installed



**GRD**  
Grounding



**BX**  
Stainless steel bin AISI 304



**HEPA 14**  
Absolute filter (EN 1822)

## OPTIONS

### STRUCTURE AND OPTIONS

**60<sup>✓</sup>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