

## TECHNICAL DATA SHEET

# IFOX ATEX 5,5 Z20/Z21 II1/2D INDUSTRIAL VACUUM

## ATEX AND ACD VACUUM CLEANERS

The Depureco FOX ATEX 5,5 Z20/Z21 industrial vacuum cleaner is an internal zone 20, external zone 21 certified unit, capable of working in ATEX areas with a greater risk of explosion. The vacuum cleaner is equipped with a side channel blower positioned on the back of the unit, enclosed by a painted steel structure. Inside the vacuum cleaner, there is a large surface filter in antistatic polyester (24,000 cm<sup>2</sup>), M class certified with a filtration efficiency of 1 micron, to vacuum electrostatically charged dust. The filter is protected by a sturdy metal cyclone welded inside the filter chamber which minimizes the risk of clogging and facilitates the fall of the sucked material into the container. The container supplied is in 100 Lt capacity AISI 304 stainless steel. The four pivoting wheels make it easy to move the container, even when fully loaded. All the components of the vacuum cleaner are grounded, so as to discharge any electrostatic charge that could be generated during suction.

**POWER**  
4 kW**SURFACE**  
24,000 cm<sup>2</sup>**CAPACITY**  
100 Lt

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The side channel blower is equipped with a safety valve to guarantee continued work in complete safety, without any maintenance. The blower is also equipped with a metal silencer to maintain a low noise level.



### SUCTION INLET

The tangential inlet is designed to ease the process of pushing the material down the bin. A sturdy metal cyclone welded inside the chamber slows the material's entry speed considerably down so that it falls directly inside the bin. This way, the filter is efficiently protected, minimizing clogging risk.



### FILTERING ELEMENT

The filtration is guaranteed by an M class polyester filter. The star shape enables air to flow through the filter even when it is dirty. The fabric of the filter is classified as M Class (BIA | EN 60335-2-69). This means that all particles till 1 micron are stopped by the filter so as to protect the blower and the operator around the vacuum cleaner.



### COLLECTION BIN

The vacuumed material is collected in an AISI 304 stainless steel container, equipped with a metal handle that enables the bin to be detached from the machine, to avoid any spark that could be generated by the electrostatic charge. Thanks to the 4 sturdy pivoting wheels, the bin can be moved very easily to then dispose of the collected material. Each wheel is reinforced to guarantee maximum stability during handling.

## TECHNICAL DATA

### MOTOR

Type	side channel blower
ATEX marking	II 1/2 D Ex htc IIIC T140°C Da/Dc
Voltage	400V
IP	65
Continuous vacuum	230mBar
Maximum air flow	450m3/h
Safety valve	included
Noise level	73dB(A)
Frequency	50/60Hz
Power	5,5HP
Insulation class	F

### PRIMARY FILTER

Type	star filter
Class EN 60335-2-69	M Class
Media	antistatic polyester
Filter cleaning	manual shaker

### MACHINE

Suction inlet	80Ø mm
Dimensions	660 X 1,200mm
Height	1,510mm
Weight	157Kg
Conical cyclone	incluso

**OPTIONS**

**AVAILABLE FILTER CLEANING SYSTEMS**

**SP**

Automatic reverse jet cleaning system  
 Antistatic M class filter (EN 60335-2-69), 3 Polyester filter cartridges, 9 m<sup>2</sup> filter surface

**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

**OPTIONS**
**STRUCTURE AND OPTIONS**

**BX**

Stainless steel bin AISI 304


**GX**

Stainless steel bin and chamber AISI 304


**FKL**

Forklift bracket


**GFR**

Lifting eyebolts

**ACCESSORIES**

**P12377**
**ATEX KIT PRO Ø 50MM**

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


**P12377**
**ATEX KIT PRO Ø 50MM**

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