

ATEX AND ACD VACUUM CLEANERS

# DF 22 DEX 1/3D

## ATEX-CERTIFIED INDUSTRIAL DUST COLLECTOR



Watch the video!



**POWER**  
2,2 kW - 3 HP



**APPLICATION**  
Volatile and suspended  
powders



**CAPACITY**  
65 Lt

## FEATURES

- Suitable and safe for vacuuming conductive dust in suspension in Atex 22 zones
- Atex-certified fan
- Dry Type Vacuum Cleaner (EN17348) certified for type IIIC dust extraction
- Category 1D certified internal protection for maximum safety

## HIGHLIGHTS



### SUCTION UNIT

Suction is generated by an Atex-certified electric fan specially designed to ensure the best air flow rate while maintaining a good vacuum level.



### FILTER UNIT

Filtration is provided by a polyester star filter in class M (filtration efficiency 1 micron) with a high filtering surface area, which guarantees the passage of air 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 fan
Power	2,2 kW - 3 HP
Frequency	50/60 Hz
Voltage	400 V
Maximum vacuum mmH2O	350   350   350 mmH2O
Static depression level	340   320   280 mmH2O
Maximum air flow	800   1000   1400 m3/h
Insulation class	55   F IP
Noise level	73 dB(A)

### MACHINE

Atex marking	II 1/3D Ex h IIIC T140 Da/Dc
EX category	1/3D
Operating temperature	-20/+40 C°
Suction inlet	100   120   150 Ø mm
Collection system	AISI304 stainless steel container
Capacity	65 Lt
Dimensions	660 x 800 mm
Height	1630 mm
Weight	110 Kg

### FILTRATION

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

OPTIONS

AVAILABLE FILTER MEDIA



**HEPA 13**  
Absolute filter (EN 1822)  
110.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber



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

AVAILABLE FILTER CLEANING SYSTEMS



**PSC**  
Semiautomatic pneumatic filter shaker



**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

STRUCTURE AND OPTIONS

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

**60HZ**  
Available in 60Hz version



**3 YEARS WARRANTY**  
Purchasing the replacement filter along with the vacuum



**SLN**  
Silencer + diffusor



**GX**  
Stainless steel bin and chamber AISI 304



**TX**  
Stainless steel bin, chamber and frame AISI 304



**100 LT**  
100 Lt bin

ACCESSORIES



**P12370**  
**ATEX CERTIFIED STAINLESS STEEL SUCTION ARM Ø 150MM/ L 3M**  
150mm diameter suction arm jointed in three parts for a total length of 3 metres. Construction in AISI 316 stainless steel, completely condu ...



**P12300/100**  
**FLANGED REDUCTION FOR HOSE Ø 100MM**  
Coupling flange on DF industrial vacuum for 100 mm diameter flexible hose



**P12300/120**  
**FLANGED REDUCTION FOR HOSE Ø 120MM**  
Coupling flange on DF industrial vacuum for 120 mm diameter flexible hose



**P12300/150**  
**FLANGED REDUCTION FOR HOSE Ø 150MM**  
Coupling flange on DF industrial vacuum for 150 mm diameter flexible hose