

ATEX AND ACD VACUUM CLEANERS

DF 40 DEX 1/3D

ATEX-CERTIFIED INDUSTRIAL DUST COLLECTOR



POWER
4 kW - 5,5 HP



APPLICATION
Volatile and suspended
powders



CAPACITY
65 Lt

FEATURES

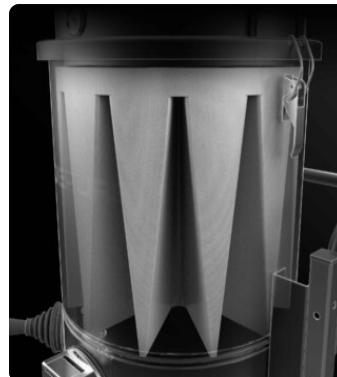
- Suitable and safe for vacuuming conductive dust in suspension in Atex 22 zones
- Certified Category 1D internal protection for maximum safety
- Very high air flow rate
- Safe extraction of conductive dusts of type IIIC, such as aluminum dusts

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	4 kW - 5,5 HP
Frequency	50/60 Hz
Voltage	400 V
Maximum vacuum mmH2O	370 340 270 mmH2O
Static depression level	300 270 200 mmH2O
Maximum air flow	1500 2100 2700 m3/h
Insulation class	55 F IP
Noise level	77 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	150 180 200 Ø mm
Collection system	AISI304 stainless steel container
Capacity	65 Lt
Dimensions	630 x 1100 mm
Height	2150 mm
Weight	145 Kg

FILTRATION

Primary filter type	Star
Filter surface	45000 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



DEFLECTOR

Internal deflector to protect the filter



PUSH HANDLE



4-PIN ATEX INDUSTRIAL PLUG



ANTISTATIC FILTRATION

Antistatic filtration to discharge static energy



POWER SUPPLY CABLE



WHEEL WITH BRAKE

Non-marking wheel with integrated brake



WHEELS

Non-marking pivoting wheels



STEEL CONSTRUCTION

Rugged industrial coated steel construction



GRD

Grounding



BX

Stainless steel bin AISI 304

OPTIONS

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 m² filter surface

AVAILABLE FILTER MEDIA

**PTFE ANT**Antistatic PTFE filter (M class EN
60335-2-69)**HEPA 13**Absolute filter (EN 1822)
110,000 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber

STRUCTURE AND OPTIONS

60 Hz

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