ATEX AND ACD VACUUM CLEANERS

BL PRO DEX 1/3D – 1/2D

ATEX-CERTIFIED BRUSHLESS INDUSTRIAL VACUUM



POWER
1,1 kW - 1,5 HP

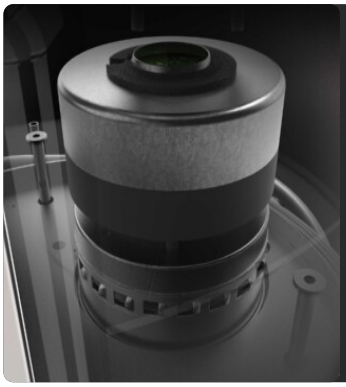
APPLICATION
Combustible dusts

CAPACITY
45 Lt

FEATURES

- Certified for intensive and continuous work in Atex 21 or 22 zones
- Category 1D certified internal protection for maximum safety
- Double level of progressive filtration in class M and H14, with complete grounding
- Antistatic accessory kit included

HIGHLIGHTS



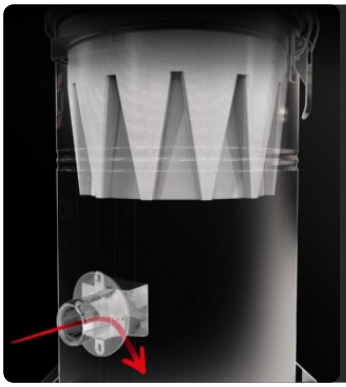
SUCTION UNIT

The vacuum unit is a powerful Brushless motor, suitable for continuous work. Two filters are installed on the vacuum cleaner head: one to protect the motor and the other placed on the air outlet. The air that comes out is totally filtered



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.



FILTER UNIT

The vacuumed material is diverted by a deflector to protect the main filter. Filtration is guaranteed by two progressive efficiency filters installed in series: a primary filter in class M polyester (filtration efficiency 1 micron) with a large filtering surface and a secondary absolute filter in class H14.



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	Brushless
Power	1,1 kW - 1,5 HP
Frequency	50/60 Hz
Voltage	230 V
Vacuum in continuous run	230 mBar
Maximum air flow	220 m3/h
Noise level	72 dB(A)

MACHINE

Atex marking	II 1/2D Ex h IIIC T95° Da/Db | II 1/3D Ex h IIIC T95° Da/Dc
EX category	1/3D – 1/2D
Operating temperature	-20/+40 C°
Suction inlet	50 Ø mm
Collection system	AISI304 stainless steel container
Capacity	45 Lt
Dimensions	516 x 545 mm
Height	1000 mm
Weight	38 Kg
Accessory kit included	P13641

FILTRATION

Primary filter type	Star
Filter surface	6000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Secondary Absolute Filter	H14 - Included
Outlet air filter	Included
Inlet air filter	Included
Outlet Absolute filter	Included

FEATURES



THIRD PARTY ATEX CERTIFICATION



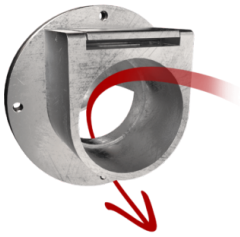
DRY TYPE VACUUM CLEANER
Atex-certified vacuum cleaner with dry dust filtration, as per EN17348



ACCESSORY KIT P13641
Basic kit of antistatic accessories - 40 mm



HEPA 14
Absolute filter (EN 1822)



DEFLECTOR
Internal deflector to protect the filter



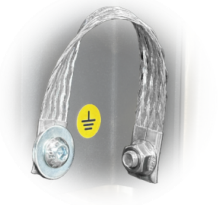
POWER SUPPLY CABLE



VACUUM GAUGE
Vacuum gauge for indication of filter clogged or in need of replacement



STEEL CONSTRUCTION
Rugged industrial coated steel construction



GRD
Grounding



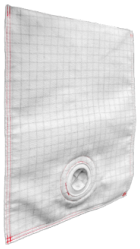
BX
Stainless steel bin AISI 304



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

OPTIONS

AVAILABLE FILTER MEDIA



BAG
Disposable anti-static filter bag

STRUCTURE AND OPTIONS



60HZ
Available in 60Hz version



3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum



ACCESSORY HOLDER

ACCESSORIES



P13642
ANTISTATIC KIT PRO Ø 40MM
Complete antistatic system for thorough cleaning of sensitive production environments. - 3 m of electrically conductive EVA tubing - 1x ...



P14901/EX
VERTIDEX – ATEX-CERTIFIED ACCESSORY KIT FOR CLEANING AT HEIGHT Ø 40MM
An ultra-lightweight carbon fiber extension system, conductive and ATEX Category 2D certified, designed to reach hard-to-reach areas and ele ...



P12378
ANTISTATIC STARTER KIT Ø 50MM
Certified basic configuration for charge dissipation on medium-diameter cables. - 3 m of electrically conductive EVA - 2 anti-static rub ...



P12377
ANTISTATIC KIT PRO Ø 50MM
Electrically conductive solution for maximum protection against static discharge. - 3 m of electrically conductive EVA - 2 anti-static r ...