

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

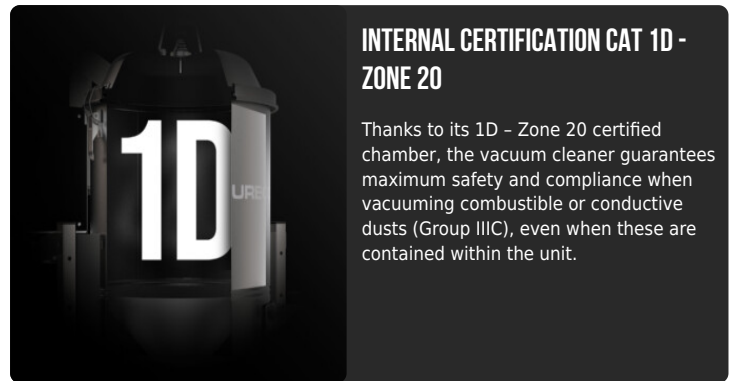
**FEATURES**

- 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

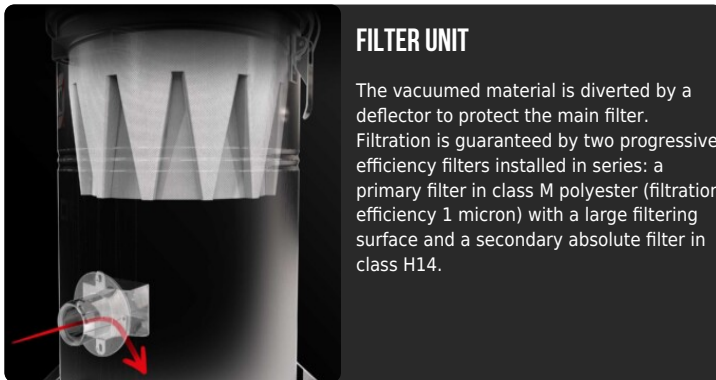
**HIGHLIGHTS**

**SUCTION UNIT**

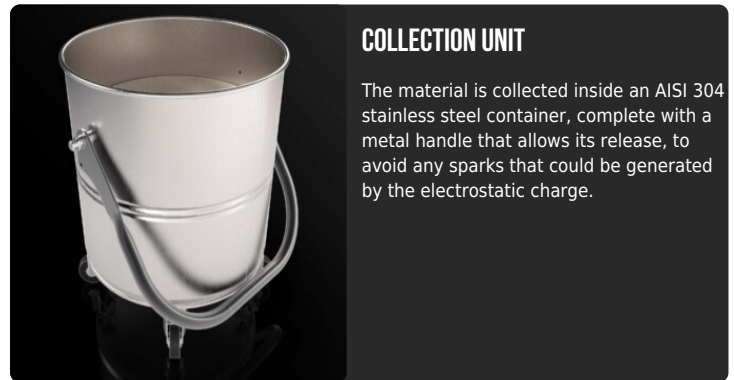
The vacuum unit is a powerful Brushless motor, suitable for continuous work. Two filters are installed on the vacuum cleaner head: one to protect the motor and the other placed on the air outlet. The air that comes out is totally filtered


**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**

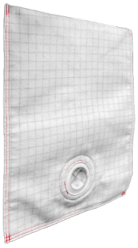
Atex marking	II 1/2D Ex h IIIC T140 Da/Db   II 1/3D Ex h IIIC T140 Da/Dc
EX category	1/3D - 1/2D
Operating temperature	-20/+40 C°
Suction inlet	50 Ø mm
Collection system	AISI304 stainless steel container
Capacity	45 Lt
Dimensions	516 x 545 mm
Height	1000 mm
Weight	38 Kg
Accessory kit included	P13641

**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

OPTIONS

AVAILABLE FILTER MEDIA



**BAG**  
Disposable anti-static filter bag

STRUCTURE AND OPTIONS

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

**60HZ**  
Available in 60Hz version



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

ACCESSORIES



**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