ATEX AND ACD VACUUM CLEANERS

# BL 45 DEX 1/3D – 1/2D INERT

## INDUSTRIAL VACUUM FOR METAL DUST




**POWER**
1,1 kW - 1,5 HP

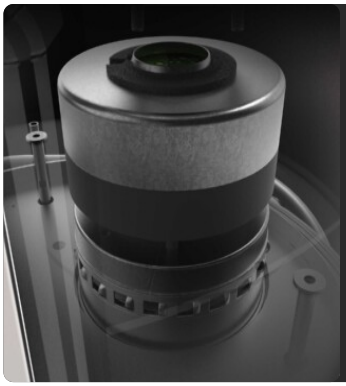
**APPLICATION**
Combustible dusts

**COLLECTION SYSTEM**
Liquid bath inerting system

## FEATURES

- Certified for intensive and continuous work in Atex 21 or 22 zones
- Container with inerting liquid bath that prevents the formation of explosive atmospheres inside the extractor
- Category 1D certified internal protection for maximum safety
- Ideal for safe extraction of Type IIIC conductive metal dusts

## 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



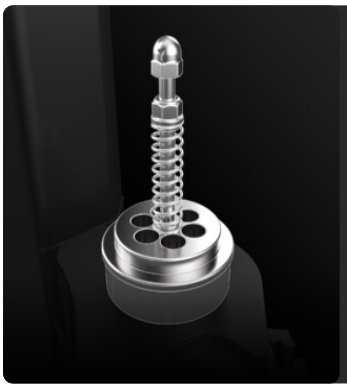

### INTERNAL CERTIFICATION CAT 1D - ZONE 20

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.



### INERTING LIQUID BATH

Container with conductive dust immersion system. Prevents the formation of explosive atmospheres inside the vacuum cleaner by neutralizing incoming dust.



### SAFETY VALVE

Safety valve that in case of reactions between powders and liquids inside the container lets out the released gases preventing explosions.

# 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** | 70 Ø mm |
| **Collection system** | Container with inerting liquid |
| **Capacity** | 45 Lt |
| **Liquid discharge system** | Discharge valve |
| **Dimensions** | 550 x 620 mm |
| **Height** | 1400 mm |
| **Weight** | 50 Kg |
| **Solid separation** | Basket grid |
| **Liquid separation** | 150 m liquid filter |
| **Safety valve** | Hydrogen Vent |

## FILTRATION

| | |
|---|---|
| **Primary filter type** | Cartridge |
| **EN 60335-2-69 filtration class** | H13 |
| **Media** | Antistatic polyester |
| **Outlet air filter** | Included |
| **Inlet air filter** | Included |
| **Outlet Absolute filter** | Included |

# FEATURES




### THIRD PARTY ATEX CERTIFICATION




### WET TYPE VACUUM CLEANER
Atex-certified vacuum cleaner with liquid powder bath, as per EN17348



### HEPA 13
Primary class H13 cartridge filter with flow diverter



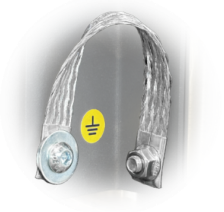
### POWER SUPPLY CABLE



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



### WHEEL WITH BRAKE
Non-marking wheel with integrated brake



### GRD
Grounding



### PRV
Pressure relief valve installed



### BX
Stainless steel bin AISI 304



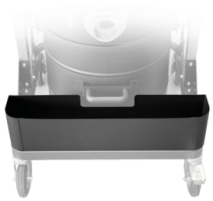
### PUSH HANDLE



### HYDROGEN VENT
Safety valve to let out any gases formed inside the aspirator

# OPTIONS

## STRUCTURE AND OPTIONS



### AB
Accessories basket



### 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 ...



### P13641
**ANTISTATIC STARTER KIT Ø 40MM**
Safety kit for areas with electrostatic hazards, ideal for fine and conductive dust. - 3 m of electrically conductive EVA tubing - 1x 50 ...



### 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 ...