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

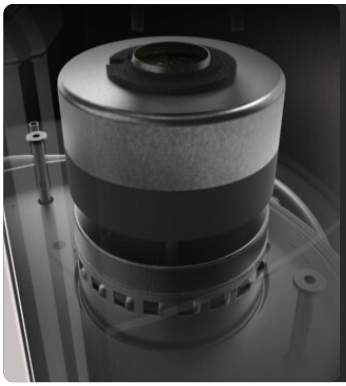
APPLICATION
Combustible dusts

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

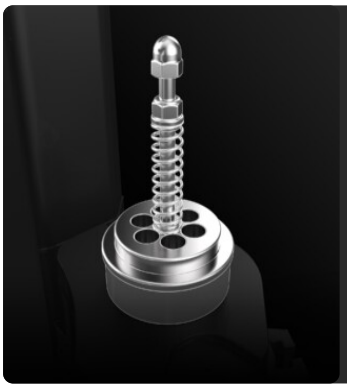
The vacuum unit is a powerful Brushless motor, suitable for continuous work. Two filters are installed on the vacuum cleaner head: one to protect the motor and the other placed on the air outlet. The air that comes out is totally filtered

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 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	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
Absolute filter (EN 1822)

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 ...