ATEX AND ACD VACUUM CLEANERS

ECOBULL M DEX 1/2D INERT

INDUSTRIAL VACUUM CLEANER FOR NEUTRALIZING CONDUCTIVE DUST IIIC



POWER
1,8 kW - 2,4 HP

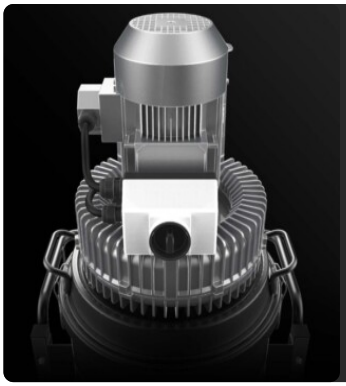
APPLICATION
Combustible dusts

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 suction unit is a manufacturer-certified Atex side channel blower with direct coupling between motor and impeller. The Side Channel Blower is equipped with a safety valve that ensures continuous work, without any maintenance.



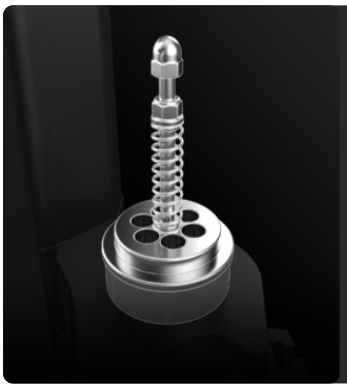
INTERNAL CERTIFICATION CAT 1D - ZONE 20

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	Atex 2D side channel blower
Power	1,8 kW - 2,4 HP
Frequency	50/60 Hz
Voltage	230 V
Vacuum in continuous run	180 mBar
Maximum air flow	240 m3/h
Insulation class	55 | F IP
Noise level	72 dB(A)

MACHINE

Atex marking	II 1/2D Ex h IIIC T160 Da/Db
EX category	1/2D
Operating temperature	-20/+40 C°
Suction inlet	50 Ø mm
Collection system	Container with inerting liquid
Capacity	100 Lt
Liquid discharge system	Discharge valve
Dimensions	660 x 800 mm
Height	1630 mm
Weight	95 Kg
Solid separation	Basket grid
Liquid separation	150 m liquid filter
Safety valve	Hydrogen Vent

FILTRATION

Primary filter type	Cartridge
Filter surface	35000 cm2
EN 60335-2-69 filtration class	H13
Media	Antistatic polyester
Additional filter	Spark trap

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



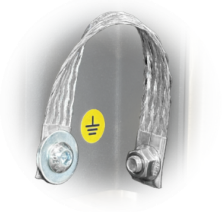
POWER SUPPLY CABLE



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

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 ...