

ATEX AND ACD VACUUM CLEANERS

ECOBULL T DEX 1/3D INERT

INDUSTRIAL VACUUM FOR REACTIVE AND SELF-IGNITING DUST



POWER
3 kW - 4 HP



APPLICATION
Combustible dusts



COLLECTION SYSTEM
Liquid bath inerting system

FEATURES

- Certified for intensive and continuous work in Atex 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		MACHINE		FILTRATION	
Typologies	Atex 3D side channel blower	Atex marking	II 1/3D Ex h IIIC T160 Da/Dc	Primary filter type	Cartridge
Power	3 kW - 4 HP	EX category	1/3D	Filter surface	35000 cm ²
Frequency	50/60 Hz	Operating temperature	-20/+40 C°	EN 60335-2-69 filtration class	H13
Voltage	400 V	Suction inlet	50 Ø mm	Media	Antistatic polyester
Vacuum in continuous run	230 mBar	Collection system	Container with inerting liquid	Additional filter	Spark trap
Maximum air flow	340 m ³ /h	Capacity	100 Lt		
Insulation class	55 F IP	Liquid discharge system	Discharge valve		
Noise level	72 dB(A)	Dimensions	660 x 800 mm		
		Height	1630 mm		
		Weight	95 Kg		
		Solid separation	Basket grid		
		Liquid separation	150 μ m liquid filter		
		Safety valve	Hydrogen Vent		

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

ACCESSORIES



P13642

ANTISTATIC KIT PRO Ø 40MM

Kit containing antistatic accessories for application with 40 mm diameter ATEX vacuum cleaner



P13641

ANTISTATIC STARTER KIT Ø 40MM

Basic kit containing antistatic accessories for application with 40 mm diameter ATEX vacuum cleaner



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