

ATEX AND ACD VACUUM CLEANERS

# ECOBULL M DEX 1/3D

## ATEX INDUSTRIAL VACUUM FOR INTENSIVE USE IN ATEX ZONE 22



**POWER**  
1,8 kW - 2,4 HP



**APPLICATION**  
Combustible dusts



**CAPACITY**  
65 Lt

## FEATURES

- Certified for intensive work in Atex 22 zone
- High filtration efficiency, with complete grounding of the unit
- Powerful side channel blower certified Atex in category 3D
- Category 1D certified internal protection for maximum safety

## 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.



**FILTER UNIT**

The material is diverted by a deflector protecting the main filter. Filtration is ensured by a class M polyester star filter (filtration efficiency 1 micron) with high filtering surface area, which guarantees air passage even with the dirty filter.



**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.



**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	Atex 3D 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	74 dB(A)

### MACHINE

Atex marking	II 1/3D Ex h IIIC T160 Da/Dc
EX category	1/3D
Operating temperature	-20/+40 C°
Suction inlet	70 Ø mm
Collection system	AISI304 stainless steel container
Capacity	65 Lt
Dimensions	660 x 800 mm
Height	1630 mm
Weight	95 Kg
Safety valve	Pressure relief valve

### FILTRATION

Primary filter type	Star
Filter surface	24000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Manual

OPTIONS

AVAILABLE FILTER MEDIA



**HEPA 14**  
Absolute filter (EN 1822)  
22.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber

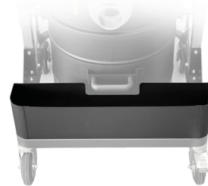
STRUCTURE AND OPTIONS



**60HZ**  
Available in 60Hz version



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



**AB**  
Accessories basket



**GX**  
Stainless steel bin and chamber AISI 304

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



**P14901/EX**  
**VERTIDEX – ATEX-CERTIFIED ACCESSORY KIT FOR CLEANING AT HEIGHT Ø 40MM**