

TECHNICAL DATA SHEET

ECOBULL M Z2-Z22 I13D INDUSTRIAL VACUUM

ATEX AND ACD VACUUM CLEANERS

The **ECOBULL M Z2-Z22 industrial vacuum cleaner** is equipped with an **ATEX-certified side channel blower**, ideal for **continuous work** without the need for maintenance. Inside the **vacuum cleaner**, there is a large surface filter in **antistatic polyester** (24,000 cm²), **M class** certified with a **filtration efficiency** of 1 micron, ideal for **working with electrostatically charged powders**. The unit can be equipped with an **absolute filter H14** on request when it is necessary to **vacuum very fine dust**. A large **65 or 100 Lt container in AISI 304 stainless steel**, with the release on wheels, allows you to **easily collect and empty the vacuumed material**. On request, it is also possible to install an **automatic filter cleaning system** to keep the filter always clean and performing.



POWER
1,8 kW



SURFACE
24,000 cm²



CAPACITY
65/100 Lt

HIGHLIGHTS



SUCTION UNIT

The suction unit is an ATEX certified side channel blower with direct coupling between motor and impeller. Furthermore, to guarantee safe work, the unit is equipped with a safety valve which, in the event of obstruction in the vacuuming elements, prevents overheating.



FILTERING ELEMENT

The filtration is guaranteed by an M class polyester filter. The star shape enables air to flow through the filter even when it is dirty. The fabric of the filter is classified as M Class (BIA | EN 60335-2-69). This means that all particles till 1 micron are stopped by the filter so as to protect the blower and the operator around the vacuum cleaner.



FILTER SHAKER

On one side of the filter chamber there is an ergonomic manual shaker through which the operator can easily and quickly clean the filter, removing any dust and debris from its surface. Thanks to this smart cleaning system the operator can carry on working without needing to change or wash the filter.



COLLECTION BIN

The vacuumed material is collected in an AISI 304 stainless steel container, equipped with a metal handle that enables the bin to be detached from the machine, to avoid any spark that could be generated by the electrostatic charge. Thanks to the 4 sturdy pivoting wheels, the bin can be moved very easily to then dispose of the collected material. Each wheel is reinforced to guarantee maximum stability during handling.

TECHNICAL DATA

MOTOR

Type	side channel blower
ATEX marking	II 3GD Ex tD IIB T135°C IP55 Dc
Voltage	230V
IP	55
Continuous vacuum	180mBar
Maximum air flow	240m ³ /h
Safety valve	included
Noise level	72dB(A)
Frequency	50/60Hz
Power	2,4HP
Insulation class	F

PRIMARY FILTER

Type	star filter
Class EN 60335-2-69	M Class
Media	antistatic polyester
Filter cleaning	manual shaker

MACHINE

Suction inlet	70Ø mm
Dimensions	660 x 800mm
Height	1,630mm
Weight	95Kg

OPTIONS

AVAILABLE FILTER MEDIA

PTFE ANT

Antistatic PTFE filter (M class EN 60335-2-69)


HEPA 14

 Absolute filter (EN 1822)
 28.000 cm² filter surface
 H14 Class Filter (EN 1822)
 Glass fiber

OPTIONS

AVAILABLE FILTER CLEANING SYSTEMS

SP

 Automatic reverse jet cleaning system
 Antistatic M class filter (EN 60335-2-69), 3 Polyester filter cartridges, 9 m² filter surface

OPTIONS
STRUCTURE AND OPTIONS

100 LT
 100 Lt bin

AB
 Accessories basket

BX
 Stainless steel bin AISI 304

GX
 Stainless steel bin and chamber AISI 304

TX
 Stainless steel bin, chamber and frame AISI 304

CYCLONIC EFFECT
 Tangential inlet and cyclone installed
 Tangential inlet + cyclone

ACCESSORIES



P12378

ANTISTATIC STARTER KIT Ø 50MM

Basic kit containing antistatic accessories for application with 50 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



P12378

ANTISTATIC STARTER KIT Ø 50MM

Basic kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner