

## TECHNICAL DATA SHEET

# ECOBULL PLUS Z2-Z22 ADDITIVE MANUFACTURING INDUSTRIAL VACUUM

---

## ATEX AND ACD VACUUM CLEANERS

---

The **ECOBULL PLUS Z2-Z22 Additive Manufacturing**, from the Depureco line, is an industrial vacuum cleaner, IIIC certified, designed for the suction of conductive metal powders in the additive 3D printing industry. The **ECOBULL PLUS Z2-Z22 Additive Manufacturing**, powered by a powerful ATEX-certified side channel turbine, is equipped with a sophisticated explosion-proof system for the suction of conductive metal powders, which is obtained by immersing the suction nozzle directly in a bath of inert liquid present in the container. The motor is protected by a large surface (35,000 cm<sup>2</sup>) class H13 antistatic conical filter. Filtration also takes place through a metal grid filter and a nylon filter, capable of separating the metal particles from the inert liquid, to then be recovered and reused. The liquid is discharged by gravity through a practical tap placed at the bottom of the container. The 100 Lt container is made of AISI 304 stainless steel and has a convenient inspection window on the front to check the level of the liquid inside.



**POWER**  
4 kW



**SURFACE**  
35,000 cm<sup>2</sup>



**CAPACITY**  
65/100 Lt

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The side channel blower is equipped with a safety valve to guarantee continued work in complete safety, without any maintenance. The blower is also equipped with a metal silencer to maintain a low noise level.



### FILTERING ELEMENT

The filtration is guaranteed by a sturdy polyester filtering cartridge. The cartridge is made to ensure large filter surface in a compact space. This way air can pass through when the filter is dirty too. The filter is H Class (BIA | EN 60335-2-69) certified, preserving the motors and the operator.



### INERTING CONTAINER

IIIC-certified container with conductive metal powder inerting oil bath system. Different levels of filtration to ensure maximum safety in all areas of use.

## TECHNICAL DATA

### MOTOR

Type	side channel blower
ATEX marking	II 3 G/D Ex htc IIIC T140°C Gc/Dc
Voltage	400V
IP	65
Continuous vacuum	210mBar
Maximum air flow	350m <sup>3</sup> /h
Safety valve	included
Noise level	72dB(A)
Frequency	50/60Hz
Power	5,5HP
Insulation class	F

### PRIMARY FILTER

Type	cartridge
Class EN 60335-2-69	H Class
Media	antistatic polyester

### MACHINE

Suction inlet	50Ø mm
Dimensions	660 X 800mm
Height	1,630mm
Weight	120Kg

**OPTIONS**



**AVAILABLE FILTER MEDIA**



**HEPA 14**  
Absolute filter (EN 1822-5)



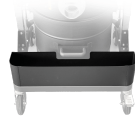
**PTFE ANT**  
Antistatic PTFE filter (M class EN 60335-2-69)

**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