

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, IIC 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 cm²) **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 cm²**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	350m3/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


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