

## TECHNICAL DATA SHEET

# ECOBULL T Z2-Z22

## ADDITIVE

## MANUFACTURING

## INDUSTRIAL VACUUM

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### ATEX AND ACD VACUUM CLEANERS

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The **ECOBULL T 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 T 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**  
3 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	230mBar
Maximum air flow	340m <sup>3</sup> /h
Safety valve	included
Noise level	72dB(A)
Frequency	50/60Hz
Power	4HP
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)



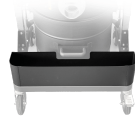
**PTFE ANT**  
Antistatic PTFE filter (M class EN 60335-2-69)

**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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