

TECHNICAL DATA SHEET

INDUSTRIAL VACUUM CLEANER FOR METALLIC DUST BL AM

The BL AM Z22 is an industrial, IIIC-certified vacuum cleaner designed for the extraction of conductive metal dust. BL AM Z22 is a vacuum cleaner equipped with a powerful single-phase Brushless motor, which ensures high performance and maximum safety even in hazardous areas.

For material collection, the vacuum cleaner is equipped with a sophisticated explosion-proof system for suction of conductive metal powders, which are directly immersed in a bath of inert liquid in the container. The motor is protected by a class H13 large-surface antistatic conical filter. The vacuum cleaner provides additional levels of filtration inside the container to ensure the highest standards of safety even in suction of potentially explosive dust: in fact, inside the inerting container there is a metal grid filter to trap any sparks and a nylon filter, capable of separating the sucked metal powder from the inert liquid, to be then recovered and reused. A convenient patented quick-connect system allows the container to be unhooked and reconnected in one easy motion and without the use of tools. An overpressure valve allows gas to escape in cases of reaction of the powder with the liquid used.

Discharge of the liquid used is by gravity via a convenient tap located at the bottom of the container. The 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.

Thanks to the BL AM sucking up metal conductive dust to neutralize it has never been easier and safer!



POWER
1,1 kW



SURFACE
35.000 cm²



CAPACITY
45 Lt

HIGHLIGHTS

SUCTION UNIT

The vacuum unit is a powerful Brushless motor, suitable for continuous work. Two filters are installed on the vacuum cleaner head: one to protect the motor and the other placed on the air outlet. The air that comes out is totally carbon-free.


FILTER UNIT

Filtration is provided by a robust polyester cartridge filter. The cartridge is made to maintain a large filter surface area in a compact space. This allows air to pass through even when the filter is dirty. The filter is certified class H (BIA | EN 60335-2-69) 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.


OVERPRESSURE VALVE

Safety overpressure valve installed on the vacuum chamber

TECHNICAL DATA
MOTOR

Type	Brushless Motor
ATEX marking	II 3D Ex htc IIIC T140°C Dc
Voltage	230V
IP	65
Continuous vacuum	230mBar
Maximum air flow	220m3/h
Noise level	72dB(A)
Frequency	50Hz
Power	1,5HP
Insulation class	65 F

PRIMARY FILTER

Type	Cartridge
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MACHINE

Dimensions	550 x 620mm
Height	1,400mm
Weight	50Kg
Solid capabilities	45
Hydrogen exhaust valve	Included

ACCESSORIES



P12377
ATEX KIT PRO Ø 50MM
Kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner



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