

SCHEDA TECNICA

TB AM INDUSTRIAL VACUUM CLEANER FOR INERTING METAL POWDER

The TB AM Z22 is an industrial, IIC-certified vacuum cleaner designed for suction of conductive metal dust. TB AM Z22 is a vacuum cleaner equipped with a powerful Atex-certified side-channel turbine, which ensures high performance even in continuous use and maximum safety in hazardous areas.

To ensure efficient material collection, the vacuum cleaner is equipped with a sophisticated explosion-proof system specifically for the suction of conductive metal powders. These are directly immersed in a bath of inert liquid in the container, ensuring a safe working environment. The motor is suitably shielded by a class H13 antistatic conical filter with a large filtering surface. Inside the enclosure, additional levels of filtration are implemented to ensure the highest safety standards, even when vacuuming potentially explosive dust. You will find a metal grid filter to trap any sparks and a nylon filter that separates metal powders from the inert liquid, allowing them to be recovered and reused. A convenient, patent-protected quick-connect system makes it easy to detach and reconnect the container in one easy motion, without the need for tools. In addition, an overpressure valve ensures the safe escape of gas in the event of a reaction of the powder with the liquid used. The discharge of the liquid used is by gravity through 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 liquid level inside.

Thanks to the TB AM industrial vacuum cleaner, vacuuming conductive metal dust to neutralize it has never been easier and safer!





HIGHLIGHTS



SUCTION UNIT

The suction unit is a side channel turbine with direct coupling between motor and impeller, ATEX certified. In addition, to ensure safe work, the unit is equipped with a safety valve that prevents overheating if there is an obstruction in the suction part.



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

DATI TECNICI

MOTORE

Tipologia	Side channel blower
Marcatura ATEX	II 3D Ex htc IIIC T140°C Dc
Voltaggio	400V
IP	65
Vuoto in continuo	180mBar
Massima portata d'aria	240m ³ /h
Livello di rumorosità	72dB(A)
Frequenza	50Hz
Potenza	2,4HP
Classe di isolamento	65 F

FILTRO PRIMARIO

Tipologia	Cartridge
Classe EN 60335-2-69	H13
Media	Antistatic polyester

MACCHINA

Dimensioni	550 x 620mm
Altezza	1.400mm
Peso	50Kg
Capacità solidi	45
Valvola di scarico dell'idrogeno	Included

ACCESSORI



P12377

KIT ANTISTATICO PRO Ø 50MM

Kit completo di accessori antistatici per applicazione con aspiratore ATEX in diametro 50 mm



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