

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!




POTENZA
 1,8 kW

SUPERFICIE
 35.000 cm²

CAPACITÀ
 45 Lt

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****ATEX KIT PRO Ø 50MM**

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

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