



## DM2 1/3D INERT - INERT



OEM ORIGINAL EQUIPMENT MANUFACTURERS



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Compact and mobile
- ✓ Earth grounding
- ✓ Easy to clean and to maintain
- ✓ Inert liquid bath system for the safe discharge of explosive and conductive metal dust
- ✓ High efficiency filtration
- ✓ Stainless steel AISI304 collection tank
- ✓ Easily removable container for safe disposal of collected material
- ✓ Prevents the build-up of the explosive atmosphere inside the vacuum
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 22 outside the chamber



### SUCTION UNIT

Voltage	V - Hz	230 - 50/60 1~
Power	kW	2,3
Max water lift	mmH <sub>2</sub> O	2500
Max air flow	m <sup>3</sup> /h	360
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74
Marking		



### FILTER UNIT

Cleaning system		Manual
1st stage filter		Star
Surface - Diameter	cm <sup>2</sup> -mm	30.000 - 500
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Material - Efficiency	IEC 60335-2-69	
Material - Efficiency	IEC 60335-2-69	Polyester, M antistatisch
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	120



### COLLECTION UNIT

Transport capacity	kg/h	100
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### VOLUME

Dimensions	cm	77x66x168h
Weight	kg	90



## SUCTION UNIT

The suction is made by a carbon brush by-pass motor which is activated by an independent switch placed inside a robust metal motor head. The motor head is soundproofed by sound-absorbent material.



## FILTER UNIT

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment. The large surface star antistatic filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust. A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.



## COLLECTION UNIT

The container is designed for an inertizing oil bath (oil not included with the vacuum cleaner) that prevents explosions due to the presence of flammable dust such as aluminum or titanium. The inertizing liquid must be chosen based on the dust to be aspirated. The container includes a stainless steel deflector, a PPL filter to separate the dust and allow the oil reuse, and 3 filtration layers for oily mists. An overpressure valve prevents the risk of explosive atmospheres forming inside the container. The vacuum cleaner is built on a sturdy steel structure and equipped with robust industrial wheels, allowing easy movement even when used on uneven surfaces.