



DM2 1/2D INERT - INERT



OEM ORIGINAL EQUIPMENT MANUFACTURER



ADDITIVE MANUFACTURING



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Stainless steel AISI304 collection tank
- ✓ Earth grounding
- ✓ Inert liquid bath system for the safe discharge of explosive and conductive metal dust
- ✓ Easily removable container for safe disposal of collected material
- ✓ Prevents the build-up of the explosive atmosphere inside the vacuum
- ✓ High efficiency filtration
- ✓ ATEX Certified Z20 internal (filtering chamber) / Z21 external

SUCTION UNIT

Atex zones	CE EX 1/2D	
Marking	II 1/2D Ex h tb IIIC T95°C Da/Db	
Voltage	V - Hz	115/230 - 50/60 1~
Power	kW	2,2
Max water lift	mmH ₂ O	2250
Max air flow	m ³ /h	430
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74

FILTER UNIT

Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Air load on filter	m ³ /m ² /h	143
Cleaning system	Manual	
Additional standard filter	HEPA	
1st stage filter	Star	
Surface and diameter	30.000-500	
Media, class	POLYESTER - ANT M	

COLLECTION UNIT

Dust capacity	l	100
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VOLUME

Dimensions	cm	77x66x168h
Weight	kg	90

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SUCTION UNIT

The suction unit is equipped with 2 Brushless motors that allow the machine to be used in maximum safety even in areas at risk of explosion thanks to the absence of charcoal. The motors are soundproofed and protected by different levels of filtration.



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.