

## DM2 BL INERT - ATEX EXPLOSION PROOF



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Complete steel construction
- ✓ Compact and mobile
- ✓ Easy filter replacement
- ✓ Earth grounding
- ✓ Easy to clean and to maintain
- ✓ Motor with very long service life
- ✓ High efficiency filtration
- ✓ Inert liquid bath system for the safe discharge of explosive and conductive metal dust
- ✓ Minimum level control system for the inerting liquid



### SUCTION UNIT

Marking	Ex II 1/2D Ex tb IIIC T135°C Da/Db	
Voltage	V - Hz	230 - 50 3-
Power	kW	2,2
Max water lift	mmH <sub>2</sub> O	2250
Max air flow	m <sup>3</sup> /h	430
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74



### FILTER UNIT

Cleaning system	Manual
1st stage filter	Star
Surface and diameter	30.000 - 500
Media, class	POLYESTER - ANT M



### COLLECTION UNIT

Liquids capacity	l	27
Dust capacity	l	13



### VOLUME

Dimensions	cm	77x66x150h
Weight	kg	85



## 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.



## 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.



## OPTIONALS

✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST