

W2 MDI EX 1/2D

INDUSTRIAL VACUUMS



- ✓ ACD classification for vacuuming combustible dust in non-classified zones
- ✓ Compliance to EN IEC 62784:2018 for zone 22

Suction Unit

Power supply	V - Hz	115/230 - 50/60 1~
Marking	II 1/2D Ex h tb IIIC T80° (int)/T95°C (ext) Da/Db	
Zone use	Hazardous location	
Power	kW	1 x 1,1
Maximum depression	mmH2O	2.250
Maximum air flow rate	m3/h	215
Noisiness (EN ISO 3744)	dB(A)	74

Filter Unit

Primary filter	Pockets	
Surface area - diameter	cm ² -mm	20.000 - 420
Filter media - class	IEC 60335-2-69	M ANT
Filter class		

Collection unit

Capacity	lt	40
Collection container	Stainless Steel AISI304	

Encumbrances

Dimensions	cm	63x57x120h
Weight	kg	53

APPLICATIONS:



All data mentioned in this document may change without notice.
Tutti i dati in questo documento potrebbero variare senza preavviso.

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SUCTION UNIT

The suction unit is equipped with a brushless motor which, thanks to the absence of carbon brushes, allows the machine to be used in the safest conditions, even in potentially explosive atmospheres. The motor is protected by a series of efficient filters and is activated by an independent switch located on a solid metal head, soundproofed with sound-absorbing material. The head is supplied as standard with a vacuum gauge and voltage presence indicators.

FILTER UNIT

The antistatic polyester pocket filter is located inside the steel filtering chamber and protects the suction unit, ensuring high dust retention and purity of the exhaust air thanks to its large surface area and high filtration efficiency. A manual cleaning system, consisting of a vertically moving filter shaker, allows the operator to clean the filter effortlessly at any time, extending the filter's life and preventing it from becoming saturated and reducing suction power. The suction system positioned below the filter allows the simultaneous suction of dust, solids and liquids without the need to replace or remove the filter.

COLLECTION UNIT

The container is equipped with an inert liquid bath system (oil not included with the vacuum cleaner) to prevent explosions due to the presence of flammable dust such as aluminium or titanium. The inert liquid must be chosen according to the dust to be vacuumed. The container includes a stainless steel deflector, a PPL filter to separate dust and allow the oil to be reused, and 3 filtration layers for oil mists. An overpressure valve prevents the risk of an explosive atmosphere forming inside the container. The vacuum cleaner is mounted on a sturdy metal structure and fitted with heavy-duty industrial wheels for easy manoeuvrability also when used on uneven surfaces.