

## DM AIREX 25V 1/2D - 2/2G - AIR POWERED EXPLOSION PROOF



SHIPYARDS



ELECTRONICS



- ✓ Complete steel construction
- ✓ Compact and mobile
- ✓ Easy filter replacement
- ✓ Earth grounding
- ✓ Powerful suction thanks to a multi-nozzle venturi unit



### SUCTION UNIT

Atex zones	ATEX Z20/21 Z1-2	
Air supply	nlt / min	2.500
Air supply pressure	bar	6
Ø Air supply hose	mm	12
Max water lift	mmH <sub>2</sub> O	5.000
Max water lift	mmH <sub>2</sub> O	5.000
Max air flow	m <sup>3</sup> /h	590
Noise level (EN ISO 3744)	dB(A)	74
Marking	II 1/2D Ex h IIIC T85° Da/Db - II 2/2G Ex h IIB T6 Gb/Gb	



### FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm <sup>2</sup> -mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Ant Polyester - M PTFE
Cleaning system	Manual	



### COLLECTION UNIT

Transport capacity	kg/h	100
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### VOLUME

Dimensions	cm	62X62X160h
Weight	kg	80



## SUCTION UNIT

The suction is provided by a venturi compressed-air-driven suction unit, protected inside a strong steel chassis, which contains also sound absorbing material to minimize noise during service. The suction is developed by a venturi-type vented suction unit, protected inside a solid steel head, containing sound absorbing material that minimizes noise during service.

The head includes a pressure and a vacuum gauge, in order to detect the clogging of the filter



## 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 absolute filter (BIA certified) with an efficiency of 99.995% for dust up to 0.18micron installed in an AISI304 stainless steel housing and replaceable via the BIBO system, guarantees complete filtration of the air returned to the environment.



## COLLECTION UNIT

The detachable AISI 304 steel collection tank has a quick release system for the rapid disposal of the vacuumed material.