

DM3 AIREX - AIR POWERED EXPLOSION PROOF



FOOD INDUSTRY



AVIATION



SHIPYARDS



CHEMICAL-PHARMACEUTICAL



- ✓ Compressed air supply through a double Venturi suction unit
- ✓ Stainless steel filter chamber and container
- ✓ Certificate for use in ATEX 1,2,21 and 22 areas
- ✓ Easy filter replacement
- ✓ Compact and mobile
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Stainless steel AISI304 collection tank
- ✓ Complete steel construction
- ✓ Earth grounding
- ✓ Vacuum gauge to detect filter clogging



SUCTION UNIT

Atex zones		1, 2, 21, 22
Marking		II 2G - II 2D
Air supply	lt/min	3000
Air supply pressure	bar	6
Ø Air supply hose	mm	10
Max waterlift	mmH2O	4180
Max air flow	m³/h	300
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	73



FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm²-mm	30.000-500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		Manual



COLLECTION UNIT

Capacity	lt.	55
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VOLUME

Dimensions	cm	62x62x160h
Weight	kg	78



SUCTION UNIT

The suction is provided by two venturi compressed-air-driven suction units, 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.



FILTRATION 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. A vacuum gauge enables to check constantly the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned.



COLLECTION UNIT

The vacuumed material is placed inside an AISI304 stainless steel drop-down bin mounted on wheels, which makes it possible to dispose easily and safely of the vacuumed material, if need be collecting it directly into a paper bag.

The vacuum is assembled onto a sturdy steel chassis, and provided with industrial quality wheels, that make it suitable for mobile service even when used on rough surfaces.



OPTIONALS

- ✓ TOTAL STAINLESS STEEL CONSTRUCTION
- ✓ ABSOLUTE HEPA FILTER