

M 235 EX

Wet & Dry Air operated industrial vacuum cleaner (with explosion proof ATEX certificate for areas 1, 2, 21, 22)



Suction unit

The vacuum cleaner M235 EX is an explosion proof compressed air vacuum cleaner powered by one powerful Venturi suction unit, (using no electric or mechanical components), placed inside a sturdy steel casing. The control board includes an air pressure gauge (to check the pressure of the incoming air supply) and vacuum indicator, useful to detect possible clogging of the filter. Two handles enable an easy lifting and removal of the suction head, for possible inspection or replacement of the underlying filter.

Filter unit

The filter is placed and protected inside the stainless steel filter chamber; the polyester star filter provides a filter surface of 20.000 cm², and high filtration efficiency (class M, 1 micron), and is antistatic (conductive) in order to avoid sparks from static energy. A manual filter shaker enables the user to clean the filter efficiently, by a vertical shaking movement, so as to detach most of the dust and maintain the filter clean, in order to increase its life and maintain the suction performance of the machine. The frontal aluminium die-cast suction inlet (Ø80 mm. diameter), placed below the filter, makes it possible to vacuum at the same time dust and solid, with no need to change or take out the filter

Collection unit

The vacuumed material is placed inside a stainless steel drop-down bin mounted on wheels (35 litres capacity), which makes it possible to dispose easily and safely of the sucked material, if need be collecting it directly into a safety seal-off single use plastic bag with lid, suitable and certified for collection and disposal of hazardous dust

The filter chamber and collection container are made of stainless steel (AISI304 type); the vacuum is mounted on a sturdy steel chassis with antistatic wheels and earth chain. All metal parts of the vacuum are electrically grounded and made conductive, in order to avoid sparks from static energy.

Technical data sheet

MODEL - M235 EX		
Explosion proof compliance	ATEX Zone	1, 2 (Explosive gas) 21, 22 (Explosive dust)
Operating pressure	bar	6
Air supply required	Lt/min	1500
Max air flow*	M3/h	170
Max. vacuum rate**	mm. H2O	4500
Collection bin Capacity	Litres	35
Star filter		Polyester Antistatic
Filtering surface	cm.2	20.000
Filtering efficiency (standard)	Micron	M 1
Filter shaker		Manual
Suction Inlet	mm.	80
Noise level	dB	72
Dimensions	cm.	50 x 60
Height	cm.	127
Weight	Kg.	35

* with suction inlet fully open, calculated at a 6 bar constant pressure as indicated on the onboard machine's manometer

** with suction inlet fully closed, calculated at a 6 bar constant pressure as indicated on the onboard machine's manometer

Options

Cod	Description
H	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
XXX	Total stainless steel construction