

M 450 EX

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



Suction unit

The suction is provided by two powerful Venturi suction units, (using no electric or mechanical components), operated by an external compressor (not included) and 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 placed on the sides 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 30.000 cm², and high filtration efficiency (class M, 1 micron). and is 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 (60 litres capacity, optional 100 litres), 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 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 - M450 EX		
Explosion proof compliance	ATEX Zone	1, 2 (Explosive gas) 21, 22 (Explosive dust)
Suction unit	Type	Venturi
Operating pressure	Bar	6
Air supply required	Lt/min	3000
Max air flow*	M3/h	340
Max. vacuum rate**	mm. H2O	4.500
Collection Bin Capacity	Litres	60 /100
Filter type	Star	Antistatic Polyester
Filtering surface	Cm2	30.000
Filtering efficiency	Class/Micron	M >1
Filter cleaning	Manual	Shaking
Noise level	dB(A)	78
Dimensions	cm.	62 x 62
Height	cm.	170
Weight	Kg.	80
Suction Inlet	Ømm.	80

* 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