



Mod. Mistral 352 DS AIR

AIR OPERATED DRY INDUSTRIAL VACUUM



MODEL		MISTRAL 352 DS AIR
Suction unit	Type	Venturi
Operating pressure	Bar	6
Air supply required	M ³ /h	75
Max. Vacuum rate*	mm.H ₂ O	5000
Max. Air flow rate**	M ³ /h	150
Filter surface	Cm ²	20.000
Filter efficiency	CAT (BIA) / micron	L >3
Air load on filter	M ³ /M ² /h	75
Bin collection capacity	Lt.	35
Suction inlet	Ø	80
Noise level	dB(A)	72
Dimensions	cm.	50 x 60
Height	cm.	127
Weight	Kg.	40

* Measured with fully closed suction inlet and calculated at the constant pressure value of 6 Bars as indicated on the vacuum's manometer

** Measured with fully open suction inlet and calculated at the constant pressure value of 6 Bars as indicated on the vacuum's manometer

Suction unit

The vacuum cleaner Mistral 352 DS AIR is a compressed air vacuum cleaner powered by a powerful Venturi suction unit, (using no electric or mechanical components), placed inside a sturdy steel casing, and thus protected against any external damage; special noise buffers reduce the noise within the safety standards of work and the exhausted air is conveyed towards the ground, so as not to bother the user and not to raise possible dust in the neighbouring area. 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 suctionhead, for possible inspection or replacement of the underlying filter.

Filter unit

The filter is placed and protected inside the steel filter chamber the **polyester star filter provides a filter surface of 20.000 cm²**, and high **filtration efficiency (class L, 3 micron)**. 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, reducing the clogging effect and with no need to change or take out the filter.

Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (35 litres capacity), operated by user friendly handles placed at operator's height, which makes it possible to dispose easily and safely of the sucked material, if need be collecting it directly into a plastic bag (special bags for collection of hazardous dust are available on request).

The vacuum is mounted on a sturdy steel chassis with two pivoting wheels, one of which with brakes. A compressor (not included) is needed to operate the vacuum.



Options*

Application	Code	Description
Sticky dust and material	PTFE	PTFE treated star filter (reduces the adherence of the dust on the filter)
High temperature dust and material	NOMEX	Nomex flame proof filter, resistano up to 250° C temperatures
Dust and material subject to accumulate static electricity	ANT	Antistatic star filter
Fine dust subject to accumulate static electricity	ANT/C	Antistatic star filter, 1 micron efficiency
Very fine dust	A	Absolute HEPA filter (BIA certified) with Efficiency 99,995% particle size 0,18 µm standard EN 1822
Fine dust	M	1 micron star filter, certificate for the suction of fine dust of class "M"
Very fine and / or toxic dust	AC (TUV H)	1 micron star filter, absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron, safety disposal system certificate for the suction of very fine and toxic dust of class "H".
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304
Dust and material subject to accumulate static electricity	MT	Grounding of metal parts in order to make them electrically conductive

* Different combinations of the above options are possible (e.g. ACX , vacuum with Absolute filter, 1 micron star filter and stainless steel container)