



Mod. MISTRAL 20 PHARMA



INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL



MODEL		MTL20HARMA
Tension	Volts HZ	230 – 400 /50 265 – 465 /60
Power	KW / Hp	1,5
Max. Vacuum rate*	mm.H ₂ O	2750
Max. Air flow rate**	M ³ /h	20
Filter surface (pocket filter)	Cm ²	20.000
Filter efficiency	CAT BIA Micron	L / G > 3
Air load on filter	M ³ /M ² /h	10
Capacity	Lt.	45
Suction inlet	Ø	80 With reduction to 40-50-60-70mm available
Noise level	Db(A)	70
Protection	IP	55
Isolation	CL	F
Dimensions	cm.	50 x 65
Height	cm.	180
Weight	Kg.	67

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Measured with fully closed suction inlet

** Measured with fully open suction inlet

Suction unit

The suction is provided by a suction unit of the side channel blower type, with direct coupling between the fan and the motor shaft and no transmission system. It is thus completely maintenance free, fit for round-the-clock 24 hours duty, very silent and provides outstanding suction performances. The control board includes a switch (protection IP55), and a safety emergency stop button. A vacuum indicator enables constant checking of the suction performance, and to detect possible clogging of the filter.

Filter unit

The filter is placed and protected inside the steel filter chamber; the filter is made of polyester, tailored with pockets in order to increase the filter surface (20.000 cm²), and has a high filtration efficiency (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, solid and liquid material (the latter only within the capacity of the container), 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), which makes it possible to dispose easily and safely of the sucked material, that can be collecting directly into a plastic bag.

The vacuum is mounted on a sturdy steel chassis with two pivoting wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted.



Options*

Application	Code	Description
Sticky dust and material	PTFE	PTFE treated pocket filter (reduces the adherence of the dust on the filter)
Fine dust subject		Polyester pocket filter with 1 micron efficiency
Dust and material subject to accumulate static electricity	ANT	Antistatic pocket filter
Fine dust subject to accumulate static electricity		Antistatic pocket filter, 1 micron efficiency
Very fine dust		Absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron
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	Total electrical grounding of metal parts

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