



## **MISTRAL 20 PHARMA** **Continuous duty dry vacuum unit**



MODEL		MTL 20 PHARMA
<b>Tension</b>	Volts    HZ	230 – 400 3~ 50/60
<b>Power</b>	KW / HP	1,8 / 2,4
<b>Max. Vacuum rate</b>	mm.H <sub>2</sub> O	2300
<b>Max. Air flow rate</b>	M <sup>3</sup> /h	250
<b>Filter surface (pocket filter)</b>	Cm <sup>2</sup>	30.000
<b>Filter efficiency</b>	CAT BIA Micron	M < 1
<b>Air load on filter</b>	M <sup>3</sup> /M <sup>2</sup> /h	83
<b>Capacity</b>	Lt.	20
<b>Suction inlet</b>	Ø mm.	50
<b>Noise level</b>	dB(A)	68
<b>Protection</b>	IP	55
<b>Dimensions</b>	cm.	47 x 69
<b>Height</b>	cm.	135
<b>Weight</b>	Kg.	45

### **Suction unit**

The suction is a side channel blower (placed in the lower part of the machine, inside a sturdy steel chassis), 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. A vacuum gauge enables constant checking of the suction performance, and to detect possible clogging of the filter; A diffuser filter reduces the speed and noise of the air on the exhaust outlet.

### **Filter unit**

The filter is placed and protected inside the steel filter chamber; the cartridge filter provides a filter surface of 30.000 cm<sup>2</sup>, and high filtration efficiency (class M, 1 micron). An inbuilt manual filter cleaning system 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 (20 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 to accumulate static electricity	ANT/C	Antistatic pocket filter, 1 micron efficiency
Very fine dust	A	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
Very fine and / or toxic dust	A/C (CLASS H)	1 micron star filter, absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822, 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	Total electrical grounding of metal parts
Risk of explosion - Operations in ATEX rated areas	ATEX	Unit built according to ATEX requirements and provided with explosion proof certificate

The manufacturer holds the right to change data and features, at any time, without notice.