

Mod. MISTRAL 150 ECO / M CONTINUOUS DUTY INDUSTRIAL DRY VACUUM CLEANER



MODEL		MISTRAL 150 ECO M
Tension	Volt Hertz	230 1~ 50/60
Power	KW HP	1,5 2,2
Max. vacuum rate	mm.H ₂ O	2750
Max. vacuum rate on continuous duty	mm.H ₂ O	1900
Max air flow**	M ³ /h	230
Filter type		Polyester Star filter
Star filter surface	Cm ²	20.000
Star filter efficiency	CAT (BIA) / micron	L > 3
Air load on filter	M ³ /M ² /h	115
Capacity	Lt.	35
Suction inlet	Ø	80
Noise level	dB (A)	70
Dimensions	cm.	50 x 60
Height	cm.	135
Weight	Kg.	50

Suction unit

The suction is provided by a **suction unit of the side channel blower type (working at 230 volt single phase)**, 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; a safety switch cuts off the motor in case of overheating**. The **control board** is placed in a safe position at the back, and include **two independent ON and OFF switches (protection IP65)**, and a safety emergency stop button; a **vacuum indicator** enables **constant checking of the suction performance**, and **detecting 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 **star polyester filter provides a filter surface of 20.000 cm²** and a **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 . A sturdy **80 mm. Ø suction inlet** (reductions available down to 40 mm.) enables to suck up the material in a position below the filter, thus reducing its impact and clogging effect.

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.
The vacuum is mounted on a **sturdy steel chassis with turning wheels**, one of which with brakes; basic accessories in Ø 50 mm. are included.



Options*

Application	Code	Description
Fine dust	C (CLASS M)	Star filter, 1 micron efficiency
High temperature dust and material	NOMEX	Nomex flame proof / heat resistant filter
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 / toxic dust	A	Absolute hepa filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
Very fine and / or toxic dust	AC (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
Highly Corrosive vapours, dust and material	XXX	Complete stainless steel construction, including chassis and most internal metal parts, container and filter chamber AISI304

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