

## DGM



MODEL		DGM 30 EXP	DGM 50 EXP
Tension	Volts HZ	230-400 3~ 50 / 60	400 3~ 50 / 60
Power	KW / HP	2,2 / 3	4 / 5,5
Max. Vacuum rate	mm.H2O	3000	3500
Max. Vacuum rate on continuous duty	mm.H2O	2200	2900
Max. Air flow rate	M3/h	300	450
Filter surface (pocket filter)	Cm2	20.000	30.000
Type of filter	Pocket	Polyester	Polyester
Filter efficiency	CAT BIA Micron	L > 3	L > 3
Air load on filter	M3/M2/h	150	150
Capacity	Lt.	100	100
Suction inlet	Ø	80	80
Noise level	dB(A)	72	70
Protection	IP	55	55
Dimensions	cm	64 x 103	64 x 103
Height	cm	150	150
Weight	kg	100	110

## **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; a vacuum gauge 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 polyester star filter provides a filter surface of 30.000 cm<sup>2</sup>, 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 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 (100 litres capacity), 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 two pivoting wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted.

## Options\*

Application	Code	Description
Automatic filter cleaning to avoid filter clogging when vacuuming large quantities of fine dust	PNEUMATIC	2 cartridges - 1 micron efficiency, reverse pulse automatic cleaning with compressed air
Fine dust	C	Pocket filter, 1 micron efficiency
Sticky dust and material	PTFE	PTFE Teflon treated pocket filter (reduces the adherence of the dust on the filter)
High temperature dust and material	NOMEX	Nomex flame proof filter, resistant up to 250° C temperatures
Dust and material subject to accumulate static electricity	ANT	Antistatic pocket 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
Big quantities of liquid	FLOTTEUR	Floating device to stop the suction when container is full
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
Dust and material subject to accumulate static electricity	MT	Total electrical grounding of metal parts
Fine dust - certificate class M	TUV M	1 micron star filter, pressure relief valve, certificate for the suction of fine dust of class "M"

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