

INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL, with automatic pulse air reverse filter cleaning system



MODEL		DM3 PN ECO
Tension	Volt HZ	230 1~ 50 / 60
Motor type		Side channel blower
Power	KW / HP	2,2 / 3
Max. Vacuum rate*	mm.H ₂ O	2.500
Max. Air flow rate**	M ³ /h	300
Filter	N. / Type	3 TEFLON Cartridges
Filter surface (total)	Cm ²	56.000
Filter efficiency	CAT (BIA) / micron	G 3
Air load on filter	M ³ /M ² /h	53
Bin collection capacity	Lt.	50
Suction inlet	Ø	50
Noise level	dB(A)	78
Isolation	CL	1
Dimensions	cm.	62 x 62
Height	cm.	160
Weight	Kg.	80

* 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; a safety switch cuts off the motor in case of overheating**. A pressure relief valve provides protection against overheating of the motor.

Filter unit

The 3 cartridge filters are placed and protected inside the steel filter chamber; the **cartridge filters are made of polyester and chemically TEFLON treated**, and provide a **high surface (56.000 cm² in total)** which reduces clogging even when picking up big quantities of dust (even fine dust, thanks to the **high filtration efficiency of 3 micron**). An **automatic cleaning system (reverse alternated air pulse)** enables the to **clean the filter frequently and efficiently**: an installed compressor provides a **jet of compressed air, which is alternately blown into each of the cartridges**. The system is **totally automatic**, (the frequency of the cleaning can be set by means of a timer installed inside the control board), and enables to **increase the life and maintain the suction performance** of the machine, even over long periods of heavy duty service.

Collection unit

The vacuumed material is placed inside a **drop-down bin mounted on wheels** (50 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
Dust and material subject to accumulate static electricity	ANT	Antistatic cartridge filters
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304