



# DG 300 PN

## Industrial vacuum cleaner for fine dust, with pneumatic filter cleaning system



### 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 thermic switch cuts off the motor in case of overheating. The control board is placed inside a metal casing, in a safe position at the back, and includes a safety emergency stop button. A safety filter, placed between the motor and the main filter, protects the motor from contact with dust in case of dust accidentally passing through the main filter; a vacuum gauge enables constant checking of the suction performance, and detecting possible clogging of the filter.

### Filter unit

The filter unit is made of 4 antistatic cartridge filters, placed inside the steel filter chamber; the cartridges are made of antistatic polyester, and provide a high filtration surface (260.000 cm<sup>2</sup> in total) which reduces clogging even when picking up big quantities of dust (even fine dust, thanks to the class M high filtration efficiency of 1 micron). An automatic cleaning system (reverse alternated air pulse) enables the to clean the filter frequently and efficiently: a compressor (not installed, available as optional) 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. The tangential aluminium die-cast suction inlet (Ø100 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. A cyclone welded inside the filter chamber conveys most of the dust directly in the container, and protects the filter from cutting or tearing.

### Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (220 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.

Il costruttore si riserva il diritto di modificare dati e caratteristiche indicate senza obbligo di preavviso.

*The manufacturer reserves the right to change technical data without notice*

[www.delfinvacuums.it](http://www.delfinvacuums.it)  
[delfin@delfinvacuums.it](mailto:delfin@delfinvacuums.it)



## Technical data sheet

MODEL – DG 300 PN		
<b>Tension</b>	Volts HZ	230-400 50 / 60
<b>Voltage</b>	KW	25
<b>Depression max</b>	mm.H2O	4500
<b>Depression continuous</b>	mm.H2O	3200
<b>Air flow</b>	M3/h	2050
<b>Filter surface</b>	Cm2	260.000
<b>Filter type</b>	4 Cartridges	Polyester
<b>Filter category</b>	CAT BIA Micron	M >1
<b>Air load on filter</b>	M3/M2/h	79
<b>Filer cleaning system</b>	Automatic	Reverse pulse jet cleaning
<b>Capacity</b>	Lt.	220
<b>Suction inlet</b>	∅	100
<b>Noise level</b>	Db(A)	74
<b>Dimensions</b>	cm.	92 x 220
<b>Height</b>	cm.	220
<b>Weight</b>	Kg.	400

Il costruttore si riserva il diritto di modificare dati e caratteristiche indicate senza obbligo di preavviso.

*The manufacturer reserves the right to change technical data without notice*

[www.delfinvacuums.it](http://www.delfinvacuums.it)  
[delfin@delfinvacuums.it](mailto:delfin@delfinvacuums.it)