



## DG300 PN ACD - INDUSTRIAL THREE PHASE



CEMENT



BUILDING AND CONSTRUCTION



ELECTRONICS



RUBBER



PACKAGING



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Complete steel construction
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging
- ✓ Hour meter for planned maintenance
- ✓ Reduced downtime of machine tools
- ✓ High filtration efficiency
- ✓ Integrated automatic filter cleaning system
- ✓ ATEX certified filter cleaning system
- ✓ Compliant with EN 17348: DRY TYPE



### SUCTION UNIT

Power	kW	20 - 25
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	4.000 - 5.000
Max air flow	m <sup>3</sup> /h	1.100 - 2.050
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	77 - 78
Use zone		Ordinary location
Atex zones		ACD



### FILTER UNIT

Filter Type	Cartridge
Cleaning system	Automatic PN



### COLLECTION UNIT

Capacity	l	220
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### VOLUME

Dimensions	cm	92x220x220h
Weight	kg	760 - 825



## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.

A pressure relief valve protects the motor, providing additional air for cooling.



## FILTER UNIT

A vacuum gauge enables to check constantly the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned.

The suction inlet is tangential, with an internally welded cyclone that deflects the incoming material.

Cartridges are automatically cleaned by a pneumatic reverse pulse cleaning system. The system is automatic, timed and adjustable. A compressor can be installed (on demand) on the back frame to guarantee the required air supply.

The polyester cartridges inside the filter chamber guarantee large filter surface and prevent filter clogging.



## COLLECTION UNIT

The vacuumed material sets down into the container equipped with castors. Thanks to the safe and complete frontal discharge it's easy to empty the container without get in contact with dirt. The industrial vacuum is mounted on a robust epoxy painted chassis, with polyurethane castors and forklift intakes.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST