

## DG 50 EXP PN - INDUSTRIAL THREE PHASE



CEMENT



CERAMICS AND POTTERY INDUSTRIES



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Complete steel construction
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Vacuum gauge to detect filter clogging
- ✓ High filtration efficiency
- ✓ Integrated automatic filter cleaning system
- ✓ Pressure relief valve for motor protection
- ✓ Large surface antistatic filter



### SUCTION UNIT

Voltage	V - Hz	400 - 50 3~
Power	kW	4
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	3200/2600
Max air flow	m <sup>3</sup> /h	420
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	70



### FILTER UNIT

Filter Type	Cartridge	
Surface - Diameter	cm <sup>2</sup> -mm	57000
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Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
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Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	74
Cleaning system	Automatic PN	



### COLLECTION UNIT

Discharge system		
Transport capacity	kg/h	100



### VOLUME

Dimensions	cm	66x118x187h
Weight	kg	145



## 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.



## 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.



## COLLECTION UNIT

The vacuumed material is collected into a wheeled steel container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handier disposal

The vacuum is assembled onto a sturdy steel chassis, and provided with industrial quality wheels, that make it suitable for mobile service even when used on rough surfaces.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION