

## DG VL 110 - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



CEMENT WORKS AND CONSTRUCTION



CERAMICS AND POTTERY INDUSTRIES



- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Easy filter replacement
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Largest surface filter in its category
- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Star-triangle switchboard for progressive motor start
- ✓ Integrated filter cleaning system
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging



### SUCTION UNIT

Voltage	V - Hz	400 - 50
Power	kW	11
Electrical protection	IP	55
Max waterlift	mmH2O	4.000
Max air flow	m <sup>3</sup> /h	1.000
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	75



### FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	70.000 - 560
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	157
Cleaning system		SELF CLEAN



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt.	160



### VOLUME

Dimensions	cm	180x77x200h
Weight	kg	220



## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It is 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.



## FILTRATION UNIT

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

The filter is equipped with a semiautomatic cleaning system handled by the operator. A pneumatic cylinder shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. This way, the operator will be able to decide without any limits when to turn the vacuum cleaner off and to clean the filter. The vacuum cleaner is equipped with a compressor which guarantees the autonomy of the machine.

The large surface star filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust.

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.



## 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.



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ ANTISTATIC FILTER CLASS L
- ✓ ANTISTATIC FILTER CLASS M
- ✓ ABSOLUTE HEPA FILTER
- ✓ FILTER FOR FINE DUST - CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ PTFE COATED FILTER CLASS M
- ✓ EARTH GROUNDING
- ✓ REVERSE PULSE FILTER CLEANING