

## DG VL 185 - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



WASTE TREATMENT - RECYCLING - INCIN



POWER PLANTS



CEMENT WORKS AND CONSTRUCTION IN



- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Complete steel construction
- ✓ 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
- ✓ Simultaneous suction of solid, dust and liquid material
- ✓ Filter-shaking cleaning system with compressor for Self Clean



### SUCTION UNIT

Voltage	V - Hz	400-50 3~
Power	kW	18,5
Electrical protection	IP	65
Max waterlift	mmH2O	4000
Max air flow	m³/h	1350
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	76



### FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm²-mm	70.000-560
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m³/m²/h	192
Cleaning system		SELF CLEAN



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt.	160



### VOLUME

Dimensions	cm	180x77x200h
Weight	kg	265



## 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.



## 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.

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 detachable steel collection tank has a quick release system for the rapid disposal of the sucked material.

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.

Forklift intakes for easy discharge.



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ REMOTE CONTROL
- ✓ 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
- ✓ REVERSE PULSE FILTER CLEANING