

## DG VL 125 - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



CEMENT WORKS AND CONSTRUCTION



METALWORKING



WASTE TREATMENT - RECYCLING - INCIN



- ✓ Simultaneous suction of solid, dust and liquid material
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Complete steel construction
- ✓ Fork lift intakes included
- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Star-triangle switchboard for progressive motor start
- ✓ Filter-shaking cleaning system with compressor for Self Clean
- ✓ Integrated filter cleaning system
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging



### SUCTION UNIT

|                           |                   |           |
|---------------------------|-------------------|-----------|
| Voltage                   | V - Hz            | 400-50 3~ |
| Power                     | kW                | 12,5      |
| Electrical protection     | IP                | 65        |
| Max waterlift             | mmH2O             | 2900      |
| Max air flow              | m <sup>3</sup> /h | 1100      |
| 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.

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
- ✓ 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