# DG 200 - INDUSTRIAL THREE PHASE

CEMENT

POWER PLANTS

WASTE TREATMENT - RECYCLING









- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Complete steel construction
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging
- ✓ Star-triangle switchboard
- ✓ Suitable for high specific weight material
- ✓ Fork lift intakes included
- ✓ Integrated automatic filter cleaning system

## SUCTION UNIT

| | | |
|---|---|---|
| Voltage | V - Hz | 400 - 50 |
| Power | kW | 18,5 |
| Electrical protection | IP | 65 |
| Max waterlift | mmH2O | 4.400 |
| Max air flow | m³/h | 1.350 |
| Suction inlet | mm | 120 |
| Noise level (EN ISO 3744) | dB(A) | 77 |

## FILTER UNIT

| | | |
|---|---|---|
| Filter Type | | Star |
| Surface - Diameter | cm²-mm | 120.000 - 780 |
| Material - Efficiency | IEC 60335-2-69 | Polyester - ANT M |
| Air load on filter | m³/m²/h | 112 |
| Cleaning system | | Automatic AUT |

## COLLECTION UNIT

| | | |
|---|---|---|
| Capacity | lt. | 220 |

## VOLUME

| | | |
|---|---|---|
| Dimensions | cm | 92x220x220h |
| Weight | kg | 660 |

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## 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.
The filter is equipped with an automatic filter shaking system. A pneumatic cylinder periodically shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. The frequency and length of this system can be adjusted by means of a timer placed inside the elecrical panel
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.

## COLLECTION UNIT

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.
The detachable steel collection tank has a quick release system for the rapid disposal of the sucked material.
Forklift intakes for easy discharge.

## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ REMOTE CONTROL
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST

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