delfin
INDUSTRIAL VACUUM SOLUTIONS

DG VL 185 EX 1/2D - ATEX EXPLOSION PROOF

AVIATION

FOOD INDUSTRY

CHEMICAL-PHARMACEUTICAL

METALWORKING

- Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- Integrated filter cleaning system
- Tangential suction inlet with integrated separation cyclone
- Pressure relief valve for motor protection
- ATEX certified for Zone 20 inside the chamber and for Zone 21 outside the chamber
- Large surface antistatic filter
- Conceived for fine and hazardous dust suction
- Additional HEPA filter (99,995% on 0,18 micron) included
- Stainless steel AISI304 collection tank

SUCTION UNIT

Atex zones		ATEX Z20/21
Marking		Ex II 1/2D Ex h IIIC T160°C Da/Db
Voltage	V - Hz	400 - 50 3~
Power	kW	18,5
Electrical protection	IP	65
Max water lift	mmH□O	2.700
Max air flow	m³/h	1.350
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	82

FILTER UNIT

Filter Type		Star
Surface - Diameter	cm²-mm	70.000 - 560
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		SELF CLEAN
Secondary filter		Safety cartridge

COLLECTION UNIT

Collection tank		
Capacity	lt	160

VOLUME

Dimensions	cm	170x74x200h
Weight	kg	265

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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.
The suction unit is ATEX certified.

FILTER UNIT

An antistatic polyester star filter is placed inside the steel filter chamber. This filter protects the suction unit by preventing any spark which might be caused by electrostatic discharge.
A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.
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.

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 vacuumed material is placed inside an AISI304 stainless steel drop-down bin mounted on wheels, which makes it possible to dispose easily and safely of the vacuumed material, if need be collecting it directly into a paper bag.

OPTIONALS

- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER

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