delfin
INDUSTRIAL VACUUM SOLUTIONS

DG 300 SE EX 1/3D - 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
- 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
- ATEX Certified Z20 internal (filtering chamber) / Z22 external

SUCTION UNIT

Atex zones		CE EX 1/3D
Marking		Ex II 1/3D Ex h IIIC T160°C Da/Dc
Voltage	V - Hz	400 - 50 3~
Power	kW	18,5
Electrical protection	IP	65
Max water lift	mmH□O	3800
Max air flow	m³/h	1100
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
Cleaning system		Automatic AUT
Secondary filter		HEPA

COLLECTION UNIT

Collection tank		
Capacity	l	220

VOLUME

Dimensions	cm	95x180x220h
Weight	kg	765

COPYRIGHT © 2023 DELFIN S.R.L. ALL RIGHTS RESERVED
COPYRIGHT © 2023 DELFIN S.R.L. TUTTI I DIRITTI RISERVATI

All data mentioned in this document may change without notice
Tutti i dati riportati in questo documento potrebbero variare senza avviso

www.delfinvacuums.com
delfin@delfinvacuums.it

delfin
INDUSTRIAL VACUUM SOLUTIONS

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

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
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.

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
- ✓ 4 CARTRIDGES PN

COPYRIGHT © 2023 DELFIN S.R.L. ALL RIGHTS RESERVED
COPYRIGHT © 2023 DELFIN S.R.L. TUTTI I DIRITTI RISERVATI

www.delfinvacuums.com
delfin@delfinvacuums.it