delfin
INDUSTRIAL VACUUM SOLUTIONS

DG 70 EXP EX 1/2D - ATEX EXPLOSION PROOF

CEMENT

WINE

RUBBER

WOOD

- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Pressure relief valve for motor protection
- ✓ Low noise level
- ✓ 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	5,2
Electrical protection	IP	65
Max water lift	mmH□O	2.300
Max air flow	m³/h	560
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	72

FILTER UNIT

Filter Type		Star
Surface - Diameter	cm²-mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		Manual
Secondary filter		Safety cartridge

COLLECTION UNIT

Collection tank		
Capacity	lt	100

VOLUME

Dimensions	cm	60x103x170h
Weight	kg	145

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www.delfinvacuums.com
delfin@delfinvacuums.it

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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

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment.
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
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION

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