



## 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
- ✓ 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
- ✓ Compliant with EN 17348: DRY TYPE
- ✓ Side Channel Blower and control switch box ATEX certified category 3GD for Z22 and Z2
- ✓ Compliance to EN IEC 62784:2018 for Zone 22



### SUCTION UNIT

Voltage	V - Hz	400 - 50 3~
Power	kW	5,5
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	3.600
Max air flow	m <sup>3</sup> /h	530
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	72
Marking	II 3D Ex h IIIC T135°C Dc - II 3G Ex h IIB + H2 T4 Gc	

Atex zones

Atex zones



### FILTER UNIT

Filter Type	Star
Material - Efficiency	Ant Polyester - M PTFE
Cleaning system	Manual
Secondary filter	HEPA



### COLLECTION UNIT

Capacity	l	100
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### VOLUME

Dimensions	cm	66x118x145h
Weight	kg	150



## 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.