



## DG 70 EXP Z22 - ATEX EXPLOSION PROOF



FOOD INDUSTRY



CEMENT



CERAMICS AND POTTERY INDUSTRIES



CHEMICAL-PHARMACEUTICAL



ELECTRONICS



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Integrated filter cleaning system
- ✓ Complete steel construction
- ✓ Vacuum gauge to detect filter clogging

- ✓ Easy filter replacement
- ✓ Reduced downtime of machine tools
- ✓ ATEX certified for Zone 22
- ✓ Conceived for fine and hazardous dust suction
- ✓ Earth grounding



### SUCTION UNIT

Atex zones		ATEX Z22
Marking		Ex II 3D Ex tc IIIB T135°C X Dc
Voltage	V - Hz	400-50 3~
Power	kW	5.5
Electrical protection	IP	55
Max waterlift	mmH <sub>2</sub> O	3000
Max waterlift	mmH <sub>2</sub> O	3000
Max air flow	m <sup>3</sup> /h	550
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	72



### FILTER UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	30.000-500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		Manual



### COLLECTION UNIT

Capacity	lt	100
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### VOLUME

Dimensions	cm	66x118x145h
Weight	kg	146



## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It is designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.



## 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.

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.



## COLLECTION UNIT

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



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION
- ✓ PRESSURE RELIEF VALVE
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST