

## DG 75 Z22 - ATEX EXPLOSION PROOF



CEMENT



CERAMICS AND POTTERY INDUSTRIES



CHEMICAL-PHARMACEUTICAL



BUILDING AND CONSTRUCTION



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Integrated filter cleaning system
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging
- ✓ Star-triangle switchboard
- ✓ Easy filter replacement
- ✓ ATEX certified for Zone 22
- ✓ Earth grounding



### SUCTION UNIT

Atex zones	ATEX Z22	
Atex zones		
Marking	II 3D Ex h tc IIIC T80°C (Int)/ T165°C (Ext) Dc	
Voltage	V - Hz	400-50 3~
Power	kW	7,5
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	3200/2700
Max air flow	m <sup>3</sup> /h	700
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	76



### FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm <sup>2</sup> -mm	49.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system	Manual	



### COLLECTION UNIT

Capacity	l	100
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### VOLUME

Dimensions	cm	66x120x175h
Weight	kg	170



## 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.

A pressure relief valve protects the motor, providing additional air for cooling.



## 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.

The suction inlet is tangential, with an internally welded cyclone that deflects the incoming material.



## COLLECTION UNIT

The detachable AISI 304 steel collection tank has a quick release system for the rapid disposal of the vacuumed material.



## OPTIONALS

- ✓ FILTER FOR FINE DUST - CLASS M
- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ REMOTE CONTROL
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST