

## DG 50 EXP Z22 - ATEX EXPLOSION PROOF



FOOD INDUSTRY



CEMENT



CHEMICAL-PHARMACEUTICAL



ELECTRONICS



WINE



- ✓ 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
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Vacuum gauge to detect filter clogging
- ✓ Easy filter replacement
- ✓ Reduced downtime of machine tools
- ✓ ATEX certified for Zone 22
- ✓ 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	4
Electrical protection	IP	55
Max water lift	mmH <sub>2</sub> O	3200
Max air flow	m <sup>3</sup> /h	450
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	137



## 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.



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



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ EXTRA LARGE FILTER CLASS L
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ FLOATING DEVICE TO STOP SUCTION WHEN THE BIN IS FULL OF LIQUIDS
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST