

## DG 200 Z22 - ATEX EXPLOSION PROOF



FOOD INDUSTRY



ALUMINUM AND PVC



AVIATION



- ✓ Atex certified for Zone 22
- ✓ Easy filter replacement
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Complete steel construction
- ✓ Largest surface filter in its category
- ✓ Fork lift intakes included
- ✓ Earth grounding
- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Star-triangle switchboard for progressive motor start
- ✓ Integrated filter cleaning system



### SUCTION UNIT

Atex zones		22
Marking		3D
Voltage	V - Hz	400-50 3~
Power	kW	18.5
Electrical protection	IP	65
Max waterlift	mmH2O	4400
Max air flow	m³/h	1350
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	77



### FILTRATION UNIT

Filter Type		
Surface - Diameter	cm²-mm	120.000-780
Material - Efficiency	IEC 60335-2-69	
Cleaning system		



### COLLECTION UNIT

Capacity	lt.	220
----------	-----	-----



### VOLUME

Dimensions	cm	92x220x220h
Weight	kg	660



## 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.



## FILTRATION UNIT

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

The filter is equipped with an automatic filter shaking system. A pneumatic cylinder periodically shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. The frequency and length of this system can be adjusted by means of a timer placed inside the electrical panel

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.



## COLLECTION UNIT

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



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ REMOTE CONTROL
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ ABSOLUTE HEPA FILTER
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)