

## DG 50 EXP IECEx - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CEMENT



CLEANING CONTRACTORS



- ✓ Largest surface filter in its category
- ✓ Pressure relief valve for motor protection
- ✓ Compact and mobile
- ✓ Long lasting
- ✓ Very suitable for the suction of large quantities of material
- ✓ Easily removable container for safe disposal of collected material
- ✓ High efficiency filtration
- ✓ Low noise level
- ✓ Suitable for continuous use 24/7



### SUCTION UNIT

Power	kW	4
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	2.300
Max air flow	m <sup>3</sup> /h	320
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	72
Marking	Ex h IIC T135°C Da/Db	
Atex zones	1/2D	
Use zone	Hazardous locations	



### FILTER UNIT

Filter Type	Star
Cleaning system	Manual



### COLLECTION UNIT

Capacity	l	100
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### VOLUME

Dimensions	cm	60x103x170h
Weight	kg	145



## 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.



## FILTER UNIT

The large surface star filter, located inside the filter stainless chamber, is made of polyester and provides high resistance against clogging and passage of fine dust. 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 vacuumed material is collected into a wheeled steel container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handier disposal



## OPTIONALS

- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER