

## DG 75 - INDUSTRIAL THREE PHASE



ELECTRONICS



ALUMINUM AND PVC



METALWORKING



CERAMICS AND POTTERY INDUSTRIES



- ✓ Easy filter replacement
- ✓ Full customization for specific needs
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Complete steel construction
- ✓ High filtration efficiency
- ✓ Largest surface filter in its category
- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Reduced downtime of machine tools
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging



### SUCTION UNIT

Voltage	V - Hz	400-50 3~
Power	kW	7,5
Electrical protection	IP	55
Max waterlift	mmH2O	4000
Max air flow	m <sup>3</sup> /h	530
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	76



### FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	49.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	108
Cleaning system		Manual



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt.	100



### VOLUME

Dimensions	cm	66x118x175h
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.



## FILTRATION UNIT

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.

The large surface star filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust.

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.

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.



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ ACTIVATED CARBON FILTER
- ✓ ANTISTATIC FILTER CLASS L
- ✓ ABSOLUTE HEPA FILTER
- ✓ FILTER FOR FINE DUST - CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ PTFE COATED FILTER CLASS M
- ✓ EARTH GROUNDING
- ✓ FILTER SHAKER WITH PUSH BUTTON