



## DG 70 EXP - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CEMENT



CLEANING CONTRACTORS



- ✓ Compact and mobile
- ✓ Easily removable container for safe disposal of collected material
- ✓ Largest surface filter in its category
- ✓ Long lasting
- ✓ Very suitable for the suction of large quantities of material
- ✓ Suitable for continuous use
- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Pressure relief valve for motor protection
- ✓ Heavy duty steel construction
- ✓ High efficiency filtration
- ✓ Low noise level



### SUCTION UNIT

Voltage	V - Hz	400 - 50
Power	kW	5,5
Electrical protection	IP	55
Max waterlift	mmH2O	3.600
Max air flow	m <sup>3</sup> /h	530
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 - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	176
Cleaning system		Manual



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt.	100



### VOLUME

Dimensions	cm	66x118x145h
Weight	kg	150



## SUCTION UNIT

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

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.

The suction is provided by three by-pass motors, using carbon brushes, operated by independent switches and placed inside a sturdy steel casing, filled with soundproofing material.

The suction is generated by one through-flow motor, which operates thanks to the air that travels through the fan system and is discharged directly over the motor windings as it exits, so the air also provides cooling for the motor.



## FILTER UNIT

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.

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

The container is detachable, compact and contains the sieve grid which retains the solid part.

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

- ✓ ANTISTATIC FILTER CLASS M
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ FLOATING DEVICE TO STOP SUCTION WHEN THE BIN IS FULL OF LIQUIDS
- ✓ EVYBOLTS FOR LIFTING
- ✓ FORK LIFT INTAKES
- ✓ PRESSURE DIFFERENTIAL KIT FOR USE OF DISPOSABLE BAG
- ✓ ABSOLUTE HEPA FILTER
- ✓ ANTISTATIC FILTER CLASS L