

# INDUSTRIAL THREE-PHASE DG50 EXP IECEX

This model has been specially developed by Delfin to meet the Australian Standard IECEX certification. It is ideal for vacuuming solids, dusts, and liquids in explosion hazard zones. Thanks to its powerful side channel blower, integrated manual filter shaker, detachable container and large polyester filter, the DG50 EXP IECEX easily stands out as the best three phase machine for IECEX certified areas.

This unit is available with optional upgrade to a Longopac bagging system.

## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan, and pressure relief valve for protection. It is designed without any transmission system, and is therefore silent, maintenance free and suitable for continuous duty operations.

## FILTRATION UNIT

The filter can be cleaned using an integrated mechanical system: an external lever shakes the filter vertically and enables the operator to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment. An antistatic polyester star filter is placed inside the steel filter chamber. This filter protects the suction unit by preventing any spark which might be caused by electrostatic discharge. A HEPA filter is included as standard.

## COLLECTION UNIT

The vacuum is assembled onto a sturdy steel chassis with industrial quality wheels that make it suitable for mobile service even when used on rough surfaces. Material is collected in a stainless steel tub, or optional upgrade to Longopac bagging.

### Main Features:

- IECEX certified
- Low noise level
- Pressure relief valve for motor protection
- Extractable collection container with optional use of disposable bags
- Large surface antistatic filter
- Conceived for fine and hazardous dust suction
- Additional HEPA filter included
- Stainless Steel collection tank
- Side channel blower motor, powerful, silent & totally maintenance free



Longopac Optional Upgrade

### MODELS AND DATASHEET

MODELS	DG50 EXP IECEX
Power (V - Hz)	400 - 50 3~
Power (kW)	4
Electrical Protection (IP)	65
Max Waterlift (mmH2O)	2300
Max Airflow (m3/h)	420
Suction Inlet (mm)	80
Noise Level (EN ISO 3744) - dB(A)	72
Filter Type	Star
Surface Diameter (cm2-mm)	30,000 - 500
Material - Efficiency (IEC 60335-2-69)	Polyester - Antistatic M
Cleaning System	Manual
Secondary Filter	HEPA
Collection Tank	AISI304 Stainless Steel
Capacity (Litres)	100
Dimensions (cm)	70 x 120 x 150h
Weight (kg)	137



FOOD INDUSTRY



RUBBER



WINE



WOOD



CEMENT