

DELFIN · II 3D EX H IIIC T135°C DC -- II 3G EX H IIB + H2 T4 GC

Delfin DG 70 EXP Z2/22



The Delfin DG 70 EXP Z2/22 is the top model in the DG EXP range with a 5.5 kW side-channel blower, 530 m³/h airflow and 3600 mmH₂O suction (3000 mmH₂O continuous) -- significantly higher output than DG 50 EXP in the same chassis. It is certified II 3GD including the control box, allowing use in Zone 2 gas and Zone 22 dust simultaneously. The enlarged 52.000 cm² HEPA post-filter provides lower air load and longer intervals between filter replacements -- ideal for production environments with high duty cycles.

APPLICATIONS

- Continuous production-line cleaning in petrochemicals with dust and gas risk
- Mid-size tank and silo service with combined exposure
- Pharma production with frequent solvent and powder handling
- Paint industry with high-capacity demand and VOC presence
- Chemical process maintenance with both liquid residues and fine powders

Technical specifications

ATEX marking	II 3D Ex h IIIC T135°C Dc -- II 3G Ex h IIB + H2 T4 Gc
Internal / external zone	20 / 22
Motor type	Sidekanalblaeser, 3-faset (trifase) -- ATEX-certificeret 3GD
Airflow	530 m ³ /h
Vacuum	353 mbar (3600 mmH ₂ O)
Container	100 L
Sound pressure	72 dB(A)
Filter class	H class
Filter type	Klasse H HEPA H14, 52.000 cm ² filterflade (99,995 % MPPS, EN 1822-5)
Primary filter	Polyester klasse M stjerne-/taskefilter (20.000 cm ² , 420 mm diameter, Polyester ANT PTFE)
Cleaning system	Manuel filterrensning
Collection system	Detachable container
Material	Lakeret stålkonstruktion
IP class	IP65
Power	5.5 kW
Current	10.9 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 80 mm
Dimensions (L x W x H)	660 x 1180 x 1450 mm
Weight	150 kg

Questions and answers

Why choose DG 70 EXP over DG 50 EXP?

Higher airflow (530 vs 420 m³/h), higher max vacuum (3600 vs 3200 mmH₂O) and double the HEPA post-filter area (52.000 vs 26.000 cm²). Choose DG 70 EXP for high duty cycles and longer service intervals.

What continuous duty is supported?

3000 mmH₂O is the stated continuous vacuum -- the blower is designed for 24/7 duty without time limit.

Is it heavier than the DG 50 EXP?

Yes -- 150 kg vs 137 kg. Both are mobile on wheels.

Why 20.000 cm² primary filter -- isn't that smaller than the DG 50?

Yes, but the larger HEPA post-filter (52.000 cm²) compensates fully. Net filter life is longer, not shorter.

Contact and advisory

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