

DELFIN · CE ACD -- OVERHOLDER IEC 60335-2-69 ANNEX AA (IKKE ATEX-MAERKET) -- H-KLASSE HEPA H14 (EN 1822-5, 99,995 % MPPS)

Delfin DG VL 185 ACD



The Delfin DG VL 185 ACD is a three-phase industrial vacuum for combustible dust in production areas that are not ATEX-classified but where the dust itself poses an ignition risk. A side-channel blower motor delivers continuous suction for 24/7 duty (1350 m³/h, 4000 mmH₂O), and the SELF CLEAN system automatically purges the star filter with compressed air between cycles to keep suction stable without manual intervention. The internal construction follows IEC 60335-2-69 Annex AA, so the dust container is treated as Zone 20 regardless of the surrounding environment.

APPLICATIONS

- Metalworking with combustible fine powders (aluminium, magnesium, titanium grindings)
- Powder coating outside ATEX-classified booths
- Food production involving sugar, spice or dry-milk dust
- Battery and electronics manufacturing with combustible fine dust
- Bakeries and flour mills handling large-scale flour dust

Technical specifications

ATEX marking	CE ACD -- overholder IEC 60335-2-69 Annex AA (ikke ATEX-mærket) -- H-klasse HEPA H14 (EN 1822-5, 99,995 % MPPS)
Internal / external zone	20 / ikke-ATEX
Motor type	Sidekanalblæser, 3-faset (trifase)
Airflow	1350 m³/h
Vacuum	392 mbar (4000 mmH ₂ O)
Container	160 L
Sound pressure	82 dB(A)
Filter class	H class
Filter type	Klasse H HEPA H14, 103.500 cm² filterflade (99,995 % MPPS, EN 1822-5)
Primary filter	Polyester klasse M stjerne-/taskefilter (70.000 cm² aktiv filterflade, Polyester ANT M)
Cleaning system	SELF CLEAN -- automatisk tryklufrensning mellem cycles (integreret kompressor inkluderet)
Collection system	Detachable container
Material	Komplet lakeret stålkabinet med forstærket ramme til gaffeltruckløft
IP class	IP65
Power	18.5 kW
Current	35.6 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 120 mm
Dimensions (L x W x H)	1700 x 740 x 2000 mm
Weight	450 kg

Questions and answers

Can the DG VL ACD be used in an ATEX-classified Zone 22?

No. The range is certified to IEC 60335-2-69 Annex AA and is intended only for areas that are NOT ATEX-classified. For ATEX-classified zones, choose a model from our ATEX range.

What does SELF CLEAN mean?

It is an automatic filter cleaning system that uses the integrated compressor to pulse compressed air through the star filter between cycles, keeping the filter surface free of dust cake without manual shaking.

Why choose DG VL 150 SE over DG VL 185?

The 150 SE offers significantly higher vacuum (6000 vs 4000 mmH \square O) but lower airflow. Choose SE for heavy, compact dust and long hose runs; choose 185 for large volumes of lighter dust.

Is the H14 HEPA filter included?

Yes. All models ship with an H-class HEPA exhaust filter (H14, 99.995 % efficiency measured by the MPPS method per EN 1822-5).

Contact and advisory

PARTICULAIR

Particulair

Højtoften 12

2690 Karlslunde, Denmark

CVR: 34129894

Phone: (+45) 70 23 12 03

E-mail: sales@particulair.com

Web: particulair.eu

Product page: particulair.eu/ex-vac/en/acd/dg-vl-185-acd/

SMARTER THINKING • BETTER WORKING

This datasheet is generated deterministically from Particulair product data. Prices and availability provided on request. All specifications subject to change without notice.