

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 PN ACD



The Delfin DG VL 185 PN ACD is the cartridge-filter variant of the DG VL series, designed for sticky or demanding dust and for 24/7 duty without interruption. Where the standard version purges the star filter between cycles, the PN version runs pneumatic filter cleaning during suction: compressed-air pulses hit the four cartridges in turn while vacuum continues, shaking the dust cake off the filter surface in real time (1350 m³/h, 4000 mmH₂O). The motor is maintenance-free, and no scheduled downtime for filter shaking is required. Certification and internal Zone 20 construction follow IEC 60335-2-69 Annex AA as on the standard series.

APPLICATIONS

- Continuous collection of sticky dust (toner, colour pigments, resins)
- Bakeries and flour mills running 24/7 flour production
- Powder coating with high suction frequency
- Food and pharmaceutical contract production requiring minimal downtime
- Central-vacuum-style installations with fixed pick-up points and long hose runs

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), vedligeholdelsesfri
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	4 x polyester klasse M patronfilter (i alt 106.000 cm² aktiv filterflade, Polyester ANT M), vertikalt monterede
Cleaning system	PN -- pneumatisk filterrens under drift (trykluftspulser rammer de 4 patroner sekventielt, integreret kompressor, 24/7 drift uden planlagte filterstop)
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 2130 mm
Weight	450 kg

Questions and answers

What is the difference between PN and the standard version?

The PN version has four cylindrical cartridge filters (106,000 cm² total) and runs pneumatic filter cleaning DURING suction, where the standard version uses a star filter (70,000 cm²) and SELF CLEAN between cycles. Choose PN for 24/7 duty and for sticky dust types.

Why is the PN version 13 cm taller than the standard?

The cartridge filters require more vertical space (213 cm vs 200 cm). Diameter and footprint are unchanged.

Can I use PN ACD in an ATEX Zone 22?

No. Like all ACD models, the DG VL PN ACD is certified to IEC 60335-2-69 Annex AA and is intended only for non-ATEX-classified areas.

How often do the cartridge filters need replacing?

With pneumatic cleaning during suction, filter life is significantly extended -- typically 12-24 months of operation depending on dust type. Filter load is 68-127 m³/m²/h depending on model, roughly 35 % lower than the standard version.

Contact and advisory

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