

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 150 SE PN ACD



The Delfin DG VL 150 SE 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 (720 m<sup>3</sup>/h, 6000 mmH<sub>2</sub>O). 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. The SE variant is the PN line's high-vacuum version with 6000 mmH<sub>2</sub>O suction -- chosen for heavy, compact dust types and long hose runs.

### 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

<b>ATEX marking</b>	CE ACD -- overholder IEC 60335-2-69 Annex AA (ikke ATEX-mærket) -- H-klasse HEPA H14 (EN 1822-5, 99,995 % MPPS)
<b>Internal / external zone</b>	20 / ikke-ATEX
<b>Motor type</b>	Sidekanalblæser, 3-faset (trifase), vedligeholdelsesfri
<b>Airflow</b>	720 m³/h
<b>Vacuum</b>	588 mbar (6000 mmH <sub>2</sub> O)
<b>Container</b>	160 L
<b>Sound pressure</b>	78 dB(A)
<b>Filter class</b>	H class
<b>Filter type</b>	Klasse H HEPA H14, 52.000 cm² filterflade (99,995 % MPPS, EN 1822-5)
<b>Primary filter</b>	4 x polyester klasse M patronfilter (i alt 106.000 cm² aktiv filterflade, Polyester ANT M), vertikalt monterede
<b>Cleaning system</b>	PN -- pneumatisk filterrens under drift (trykluftspulser rammer de 4 patroner sekventielt, integreret kompressor, 24/7 drift uden planlagte filterstop)
<b>Collection system</b>	Detachable container
<b>Material</b>	Komplet lakeret stålkabinet med forstærket ramme til gaffeltruckløft
<b>IP class</b>	IP65
<b>Power</b>	15 kW
<b>Current</b>	31 A
<b>Voltage</b>	400 V / 50 Hz / 3~
<b>Inlet</b>	Diameter 120 mm
<b>Dimensions (L x W x H)</b>	1700 x 740 x 2130 mm
<b>Weight</b>	440 kg

# Questions and answers

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## What is the difference between PN and the standard version?

The PN version has four cylindrical cartridge filters (106,000 cm<sup>2</sup> total) and runs pneumatic filter cleaning DURING suction, where the standard version uses a star filter (70,000 cm<sup>2</sup>) 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 m<sup>3</sup>/m<sup>2</sup>/h depending on model, roughly 35 % lower than the standard version.

# Contact and advisory

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