

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 125 ACD



The Delfin DG VL 125 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 (1100 m<sup>3</sup>/h, 4000 mmH<sub>2</sub>O), 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

<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)
<b>Airflow</b>	1100 m <sup>3</sup> /h
<b>Vacuum</b>	392 mbar (4000 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, 103.500 cm <sup>2</sup> filterflade (99,995 % MPPS, EN 1822-5)
<b>Primary filter</b>	Polyester klasse M stjerne-/taskefilter (70.000 cm <sup>2</sup> aktiv filterflade, Polyester ANT M)
<b>Cleaning system</b>	SELF CLEAN -- automatisk tryklufrensning mellem cycles (integreret kompressor inkluderet)
<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>	12.5 kW
<b>Current</b>	26.9 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 2000 mm
<b>Weight</b>	430 kg

# Questions and answers

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## 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 $\blacksquare$ 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

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## PARTICULAIR

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