

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 300 HD PN ACD



The Delfin DG 300 HD PN ACD is the high-flow PN version of the 300 range -- 25 kW three-phase side-channel blower, 2050 m³/h airflow, 4000 mmH₂O max vacuum (3100 mmH₂O continuous) and four polyester class M cartridge filters totalling 260.000 cm². Pneumatic cleaning (PN) pulses compressed air through the cartridges while suction continues -- no pauses, no manual shaking, constant high suction performance. Compressor is included on-board. The footprint is larger than the AUT version (920 x 2200 vs 950 x 1800 mm base), but the lower air load (79 m³/m²/h) yields significantly longer filter life.

APPLICATIONS

- Continuous large-scale production cleaning with 24/7 duty
- Dust collection at centralised installations with large piping
- Woodworking with constant MDF and fine particle production
- Metalworking with high duty cycle and combustible grinding dust
- Stationary installations where filter pauses are not acceptable

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) -- 25 kW
Airflow	2050 m³/h
Vacuum	392 mbar (4000 mmH ₂ O)
Container	220 L
Sound pressure	78 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 (260.000 cm² aktiv filterflade, Polyester ANT M)
Cleaning system	PN -- pneumatisk filterrens under drift (kompressor ombord, trykluft-pulserensning af patronerne uden stop af sugning)
Collection system	Detachable container
Material	Lakeret staalkabinet som standard, rustfrit stål AISI 304 som option
IP class	IP65
Power	25.0 kW
Current	46.0 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 120 mm
Dimensions (L x W x H)	920 x 2200 x 2200 mm
Weight	825 kg

Questions and answers

Why PN over AUT?

The PN system cleans cartridges during suction via compressed air pulses, keeping vacuum performance constantly high without pauses. AUT only shakes between cycles and suits periodic use. Choose PN for 24/7 production.

What is the filter life difference between HD and HD PN?

HD (AUT) has a filter load around 200 m³/m²/h. HD PN has 79 m³/m²/h thanks to the much larger 260.000 cm² cartridge area -- roughly three times longer filter life under similar conditions.

Is the compressor included?

Yes -- on-board compressor is built in. No external compressed air connection required.

How often do cartridge filters need replacing?

With pneumatic cleaning during suction, filter life is significantly extended -- typically 12-24 months depending on dust type, filter load and cleaning frequency.

Contact and advisory

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