ACD VACUUM CLEANER

Delfin DBF 05/10 ACD

Horizontal extraction unit for mounting on production machines – ACD version to EN 17348 for combustible dust in non-ATEX areas, three-phase side-channel blower, 15 L



Delfin DBF 05/10 ACD – horizontal extraction unit for combustible dust in non-ATEX areas (EN 17348), 15 L

EN 17348 (ACD version) · Low Voltage Directive 2014/35/EU · EMC Directive 2014/30/EU

Delfin DBF 05/10 ACD

The Delfin DBF 05/10 ACD is the horizontal, compact extraction unit of the DBF series in ACD version to EN 17348. It is for machines and lines that collect combustible dust while the room itself is not ATEX-classified. Internally, where the dust is collected, it is marked Ex h IIIC T135°C Da, category 1/- D. The side-channel blower and control box are certified dust-tight (Ex), and the unit is built for continuous 24/7 operation.

Applications

- Direct extraction on production machines and OEM lines that release combustible dust
- Machines in non-classified areas where the dust can form an explosive atmosphere inside the unit
- Continuous 24/7 operation at packaging and dosing equipment
- Places where a compact, horizontal unit fits at the machine
- Lines where the side-channel blower and control box must be certified dust-tight (Ex)

Technical specifications

ATEX marking	Ex h IIIC T135°C (internal) Da, category 1/- D (ACD, EN 17348)
Internal / external zone	20 / non-ATEX
Motor type	Three-phase side-channel blower, maintenance-free
Duty cycle	Continuous
Airflow	100 / 150 m³/h
Vacuum	147 / 196 mbar (1500 / 2000 mmH_2O)
Container	15 L
Sound pressure	65 / 70 dB(A)
Filter class	H class
Filter type	Class H, H14 efficiency (99.995 % MPPS, EN 1822-5)
Primary filter	Bag of antistatic polyester ANT M PTFE, 2,000 cm², Ø 280 mm

Collection system	Disposable bag
Material	Steel (stainless container and full AISI 304 as options)
IP class	IP65
Power	0.37 / 0.95 kW
Current	1.04 / 2.1 A
Voltage	400 V / 50 Hz / 3~
Inlet	Ø 50 mm
Dimensions (L × W × H)	710 x 330 x 580 / 760 x 330 x 590 mm
Weight	30 / 35 kg

CONTACT
Particulair — Ex-Vac Hub
Nordic specialist in ATEX vacuum solutions for hazardous environments
Højtoften 12, 2690 Karlslunde, Denmark
Tel: +45 70 23 12 03 · sales@particulair.com · particulair.eu/ex-vac/