

DELFIN · ACD (APPLIANCE FOR COMBUSTIBLE DUST PER IEC 60335-2-69 ANNEX AA) -- INTERN KONSTRUKTION SVARENDE TIL ZONE 20, EKSTERN IKKE-ATEX

Delfin DM3 EL ACD LP



The Delfin DM3 EL ACD LP combines three single-phase bypass motors with a Longopac endless bag, so dust is collected continuously without ever opening a container. It is the preferred solution when combustible dust must be handled without exposure at emptying -- such as fine ceramics, metal powder or pharmaceutical dust. The construction follows IEC 60335-2-69 Annex AA, so the internal volume is treated as Zone 20, but the appliance is intended for areas that are NOT ATEX-classified.

APPLICATIONS

- Pharmaceutical production with active ingredients where exposure must be minimised
- Fine ceramics and pigment production without ATEX classification
- Battery production with combustible powder mass
- Metal powder and 3D-print powder in continuous collection processes
- Food production with valuable or contamination-sensitive dust

Technical specifications

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| ATEX marking | ACD (Appliance for Combustible Dust per IEC 60335-2-69 Annex AA) -- intern konstruktion svarende til Zone 20, eksternt ikke-ATEX |
| Internal / external zone | 20 / ikke-ATEX |
| Motor type | 3 bypass-motorer i parallel, Longopac endeløs sæk |
| Airflow | 540 m ³ /h |
| Vacuum | 245 mbar (2500 mmH ₂ O) |
| Container | 20 L |
| Sound pressure | 74 dB(A) |
| Filter class | H class |
| Filter type | HEPA H14 (EN 1822-5), 99,995 % MPPS, 26.000 cm ² |
| Primary filter | Stjerne/taske polyester ANT M-klasse antistatisk, 30.000 cm ² , Ø 500 mm |
| Collection system | Longopac |
| Material | AISI 304 |
| IP class | IP64 |
| Power | 3.3 kW |
| Current | 15 A |
| Voltage | 230 V / 50-60 Hz |
| Inlet | Diameter 80 mm |
| Dimensions (L x W x H) | 800 x 660 x 1570 mm |
| Weight | 70 kg |

Questions and answers

What is the advantage of Longopac over a safebag?

The Longopac system provides 20 metres of continuous plastic bag that can be sealed and cut off in suitable lengths. The operator never opens the machine and never touches the dust -- ideal for pharmaceutical, fine chemical or allergenic dust types.

Is the DM3 EL ACD LP ATEX-certified?

No. The DM3 EL ACD LP is ACD-classified per IEC 60335-2-69 Annex AA and intended for non-ATEX areas only. If your production demands ATEX, consider the DM2 EL 1/2D LP (Zone 21) or an equivalent ATEX model.

Can I retrofit Longopac onto the DM3 EL ACD?

No. The DM3 EL ACD and DM3 EL ACD LP are two different base models with different chassis and hopper geometry. If you need Longopac, choose the LP version from the outset.

How long is the Longopac bag?

The standard Longopac cassette contains 20 metres of endless bag. The number of individual bags depends on dust volume and the chosen length per cut-off.

Contact and advisory

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