

DEPURECO · ACD EX 1/- D (INTERN KONSTRUKTION SVARENDE TIL ZONE 20 PER IEC 60335-2-69 ANNEX AA)

Depureco ECOBULL T H ACD INERT



The Depureco ECOBULL T H ACD INERT is the three-phase big brother to the ECOBULL M H: same 100 L INERT container and neutralisation bath, but with a 3 kW side-channel blower providing noticeably higher airflow and enabling continuous 8-hour duty on a single collection. Built for lithium-battery factories, ammunition line production and metallurgy processes where reactive dust must be collected in larger quantities without the facility being ATEX classified. INERT performance-tested to EN 17348:2022 and ACD-certified per IEC 60335-2-69 Annex AA.

APPLICATIONS

- Continuous lead-dust collection at military shooting ranges
- Ammunition manufacturing and powder handling
- Aerospace and defence processing of titanium and aluminium swarf
- 3D-printing production facilities with metal powder in serial runs
- Specialist metallurgy with pyrophoric powders

Technical specifications

ATEX marking	ACD EX 1/- D (intern konstruktion svarende til Zone 20 per IEC 60335-2-69 Annex AA)
Internal / external zone	20 / ikke-ATEX
Motor type	Sidekanalblaeser 3-fase (3 kW)
Airflow	340 m ³ /h
Vacuum	230 mbar (2345 mmH ₂ O)
Container	100 L
Sound pressure	72 dB(A)
Filter class	H class
Filter type	Cartridge klasse H13 antistatisk polyester + HEPA H14 slutfilter
Primary filter	Cartridge klasse H13 antistatisk polyester
Collection system	INERT neutralisation bath
Material	Lakeret staalkonstruktion, AISI 304 INERT-beholder med neutraliseringsbad
IP class	IP55
Power	3.0 kW
Voltage	400 V / 50 Hz
Inlet	Diameter 50 mm
Dimensions (L x W x H)	660 x 800 x 1630 mm
Weight	120 kg

Questions and answers

What does INERT technology mean for the Depureco ECOBULL T H ACD INERT?

INERT technology means the Depureco ECOBULL T H ACD INERT collects reactive metal dust in a neutralising liquid bath that inactivates the particle at the moment of collection. For 1/3-phase mid-size models like this one it is decisive in mid-capacity productions -- for example continuous collection from a military shooting range, a 3D-printing production cyclone or an ammunition line.

What types of reactive dust is the Depureco ECOBULL T H ACD INERT intended for?

Reactive metallic dust in mid-production volumes: lead from frequent shooting-range operation, lithium metal from battery-cell production, aluminium and titanium powder from 3D printing in serial runs, magnesium dust from light-metal rolling, titanium swarf from aerospace production. Mid-size (45-100 L container) suits continuous duty over full shifts, not just sporadic collections.

Is the INERT system tested to EN 17348:2022?

Yes. The entire Depureco INERT range is performance-tested to EN 17348:2022. The core point of the standard is that the neutralisation system actually inactivates reactive dust under realistic operating conditions -- not just in an idealised laboratory setup. Documentation sent on request.

Why ACD rather than ATEX on this model?

ACD is used in non-ATEX-classified areas where the dust is nonetheless reactive. Many ammunition and battery-cell plants are NOT ATEX-classified -- because operation takes place in closed cabinets or because dust concentration does not reach the classification threshold. IEC 60335-2-69 Annex AA covers that scenario. For formally ATEX-classified zones INERT variants also exist in the ATEX Dust category.

Contact and advisory

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