

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

Depureco ECOBULL M H ACD INERT



The Depureco ECOBULL M H ACD INERT is the single-phase mid-size INERT model: 1.8 kW side-channel blower, 100 L container with neutralising liquid bath and safety hydrogen vent. The model is sized for shooting ranges with continuous duty, for 3D-printing production with larger reactive metal volumes and for ammunition manufacturing where continuous collection without a three-phase installation is needed. Cartridge class H13 antistatic polyester filter and INERT test per EN 17348:2022.

APPLICATIONS

- Ammunition manufacturing and powder handling
- Aerospace and defence processing of titanium and aluminium swarf
- Specialist metallurgy with pyrophoric powders
- Powder metallurgy with reactive fine-dust fractions
- Pyrotechnics factories and pyrotechnic production

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	Sidekanalblæser 1-fase (1,8 kW)
Airflow	240 m ³ /h
Vacuum	230 mbar (2345 mmH ₂ O)
Container	100 L
Sound pressure	74 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	1.8 kW
Voltage	230 V / 50-60 Hz
Inlet	Diameter 50 mm
Dimensions (L x W x H)	660 x 800 x 1630 mm
Weight	95 kg

Questions and answers

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

INERT technology means the Depureco ECOBULL M 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 M 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

PARTICULAIR

Particulair

Højtoften 12

2690 Karlslunde, Denmark

CVR: 34129894

Phone: (+45) 70 23 12 03

E-mail: sales@particulair.com

Web: particulair.eu

Product page: particulair.eu/ex-vac/en/acd/ecobull-m-h-acd-inert/

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