

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

Depureco ECOBULL PLUS ACD



The Depureco ECOBULL PLUS ACD is the top of the ECOBULL range: same 65 L container as the T version, but with a 4 kW motor delivering 270 mbar vacuum -- noticeably stronger than the standard ECOBULL T and therefore capable of pulling heavier dust and longer hoses. Sized for continuous duty in powder-coating lines with greater capacity needs, and for stationary collection where hose routing makes vacuum loss unavoidable.

APPLICATIONS

- Powder-coating installations with continuous shift operation
- Cyclone collection behind large spray booths
- Powder dosing installations in pharma and food production
- Smaller 3D-printing serial production at higher volume
- Electrode production for li-ion cells

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 3-fase (4 kW)
Airflow	340 m ³ /h
Vacuum	270 mbar (2753 mmH ₂ O)
Container	65 L
Sound pressure	72 dB(A)
Filter class	M class
Filter type	Stjernefilter antistatisk polyester klasse M, 24.000 cm ² (HEPA H14 24.000 cm ² som tilvalg, relief valve inkluderet)
Primary filter	Stjernefilter antistatisk polyester klasse M. 24.000 cm ²
Collection system	Detachable container
Material	Lakeret staalkonstruktion, AISI 304 stoevbeholder
IP class	IP55
Power	4.0 kW
Voltage	400 V / 50 Hz
Inlet	Diameter 50 mm
Dimensions (L x W x H)	660 x 800 x 1530 mm
Weight	95 kg

Questions and answers

Why is the Depureco ECOBULL PLUS ACD a better choice than a standard industrial vacuum?

Because a side-channel blower, unlike a bypass motor, can run 8 hours in a row without thermal overload. The Depureco ECOBULL PLUS ACD delivers 340 m³/h at 270 mbar continuously, and the ACD-certified construction per IEC 60335-2-69 Annex AA keeps the internal Zone 20 capacity intact even under prolonged duty. A standard industrial vacuum would overload the motor within hours in the same environment.

Why this specific motor and phase configuration?

Side-channel blowers are the only motor technology that can run continuously for hours without overheating. The ECOBULL range delivers this capacity in a mobile format, unlike the stationary dust collectors normally used for the same task. Model-specific variations (1-phase on ECOBULL M, 3-phase on T/PLUS, different motor sizes) cover needs from small workshops up to mid-size production lines.

What types of dust is the Depureco ECOBULL PLUS ACD actually intended for?

Continuous process dust in mid-capacity: powder-coating surplus, fine swarf from CNC stations, wood-mill and biomass dust, fine flour dust in food production. The Depureco ECOBULL PLUS ACD is built to run long shifts without the motor needing rest, which is the critical difference to the bypass-based MTL and MINIBULL ranges.

What is the difference between ACD and ATEX?

ACD is the IEC 60335-2-69 Annex AA certification for combustible dust in non-ATEX-classified areas. Many powder-coating installations and mid-size production environments are not formally ATEX-classified because the dust concentration does not reach the classification threshold -- but the dust itself can ignite, and ACD equipment must be used. ATEX is for formally classified zones per Directive 2014/34/EU.

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-plus-acd/

SMARTER THINKING • BETTER WORKING

This datasheet is generated deterministically from Particulair product data. Prices and availability provided on request. All specifications subject to change without notice.