

DEPURECO · II 1/3D EX H IIIC T160 DA/DC

Depureco ECOBULL XM M DEX 1/3D



The Depureco ECOBULL XM M DEX 1/3D is the compact ECOBULL XM variant with 1/3D certification. Single-phase side-channel blower 230 V 1.8 kW, 20 L AISI 304 container and 240 m³/h airflow at 180 mbar vacuum. Conical cartridge filter antistatic polyester (16,000 cm²) with Jet Clean and guillotine protection. HEPA H14 optional. ATEX II 1/3D Ex h IIIC T160 Da/Dc. Compact 516 x 545 x 1050 mm, only 57 kg -- ideal where space is tight and 1/3D certification is required.

APPLICATIONS

- Laboratory, cleanroom and R&D; spaces requiring 1/3D
- 3D printing and polymer granulate collection
- Pharma production in small batches
- Powder coating with continuous operation at small scale
- Service cleaning in Zone 22 without a large footprint

Technical specifications

ATEX marking	II 1/3D Ex h IIIC T160 Da/Dc
Internal / external zone	20 / 22
Motor type	Sidekanalblaeser 1-fase (230 V, 1,8 kW), sidekanal koert 1-faset
Airflow	240 m ³ /h
Vacuum	180 mbar (1835 mmH ₂ O)
Container	20 L
Sound pressure	72 dB(A)
Filter class	M class
Filter type	Konisk kassette-filter antistatisk polyester klasse M, 16.000 cm ² , Jet Clean + guillotine inkluderet
Primary filter	Konisk kassette antistatisk polyester klasse M, 16.000 cm ²
Cleaning system	Jet Clean (pneumatisk puls) + guillotine
Collection system	Detachable container
Material	Lakeret staalkonstruktion, AISI 304 stoevbeholder
IP class	IP55
Power	1.8 kW
Voltage	230 V / 50-60 Hz
Inlet	Diameter 50 mm
Dimensions (L x W x H)	516 x 545 x 1050 mm
Weight	57 kg

Questions and answers

Why is the ECOBULL XM M DEX 1/3D single-phase when side-channel is normally three-phase?

The side-channel blower in the ECOBULL XM range is adapted for single-phase operation (230 V) at 1.8 kW. It costs extra current and runs a bit hotter than three-phase, but allows installation in workshop areas without a three-phase outlet. Code A1790 is explicitly single-phase per Depureco's 2026 price list.

What does 1/3D mean in the model name?

1/3D is the ATEX category: internal Zone 20 (category 1D) + external Zone 22 (category 3D). The machine may stand in Zone 22 and simultaneously collect combustible dust internally under classified conditions.

How do Jet Clean and guillotine work?

Jet Clean is a pneumatic pulsed compressed-air burst that cleans the conical cartridge without opening the machine. The guillotine is an internal plate that opens and closes between filter and container -- prevents cleaned dust from bouncing back into the airstream and ensures dust separation during cleaning.

How large is the container, and when does it fill up?

20 L AISI 304 container -- compact size suitable for daily or 2-day operation depending on dust load. Lighter than the DEX variants (65 L) and better suited to mobile R&D; or pharma scenarios. Fill-level indicator is optional.

Contact and advisory

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