

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

# Depureco ECOBULL XM T DEX 1/3D



The Depureco ECOBULL XM T DEX 1/3D is the compact ECOBULL XM variant with 1/3D certification. Single-phase side-channel blower 400 V 1.8 kW, 20 L AISI 304 container and 240 m<sup>3</sup>/h airflow at 180 mbar vacuum. Conical cartridge filter antistatic polyester (16,000 cm<sup>2</sup>) 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

<b>ATEX marking</b>	II 1/3D Ex h IIIC T160 Da/Dc
<b>Internal / external zone</b>	20 / 22
<b>Motor type</b>	Sidekanalblaeser 1-fase (400 V, 1,8 kW), sidekanal koert 1-faset
<b>Airflow</b>	240 m <sup>3</sup> /h
<b>Vacuum</b>	180 mbar (1835 mmH <sub>2</sub> O)
<b>Container</b>	20 L
<b>Sound pressure</b>	72 dB(A)
<b>Filter class</b>	M class
<b>Filter type</b>	Konisk kassette-filter antistatisk polyester klasse M, 16.000 cm <sup>2</sup> , Jet Clean + guillotine inkluderet
<b>Primary filter</b>	Konisk kassette antistatisk polyester klasse M, 16.000 cm <sup>2</sup>
<b>Cleaning system</b>	Jet Clean (pneumatisk puls) + guillotine
<b>Collection system</b>	Detachable container
<b>Material</b>	Lakeret staalkonstruktion, AISI 304 stoevbeholder
<b>IP class</b>	IP55
<b>Power</b>	1.8 kW
<b>Voltage</b>	400 V / 50-60 Hz
<b>Inlet</b>	Diameter 50 mm
<b>Dimensions (L x W x H)</b>	516 x 545 x 1050 mm
<b>Weight</b>	57 kg

# Questions and answers

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## Why is the ECOBULL XM T 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 (400 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 A1800 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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## PARTICULAIR

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