

DEPURECO · II 3D EX H IIIC T160 DC

# Depureco ECOBULL PLUS ATEX SP 3D



The Depureco ECOBULL PLUS ATEX SP 3D is the ECOBULL chassis with reverse-jet cartridge filter and pure 3D certification for Zone 22 external. Three-phase 4 kW side-channel blower, 65 L AISI 304 container and 350 m<sup>3</sup>/h airflow at 270 mbar vacuum. 3x cartridge antistatic polyester (90,000 cm<sup>2</sup>) with reverse jet cleaning and relief valve as standard. The ATEX marking II 3D Ex h IIIC T160 Dc covers Zone 22 external -- suited to stand-alone installation in powder coating, plastics production or pharma environments where Zone 22 is the only classified zone.

## APPLICATIONS

- Powder coating in Zone 22 installations
- Plastics production and polymer fractions
- Pharma and API handling in Zone 22
- Medium-sized production stations requiring mobility
- Stand-alone collection at a single machine with reverse-jet continuity

# Technical specifications

<b>ATEX marking</b>	II 3D Ex h IIIC T160 Dc
<b>Internal / external zone</b>	22 / 22
<b>Motor type</b>	Sidekanalblaeser 3-fase (4 kW, 400 V), ATEX-certificeret til kategori 3D
<b>Airflow</b>	350 m <sup>3</sup> /h
<b>Vacuum</b>	270 mbar (2753 mmH <sub>2</sub> O)
<b>Container</b>	65 L
<b>Sound pressure</b>	74 dB(A)
<b>Filter class</b>	M class
<b>Filter type</b>	3x Cartridge antistatisk polyester klasse M, 90.000 cm <sup>2</sup> , reverse jet cleaning + relief valve inkluderet
<b>Primary filter</b>	3x Cartridge antistatisk polyester klasse M, 90.000 cm <sup>2</sup>
<b>Cleaning system</b>	Reverse jet cleaning (manuel puls)
<b>Collection system</b>	Detachable container
<b>Material</b>	Lakeret staalkonstruktion, AISI 304 stoevbeholder
<b>IP class</b>	IP55
<b>Power</b>	4 kW
<b>Voltage</b>	400 V / 50-60 Hz
<b>Inlet</b>	Diameter 70 mm
<b>Dimensions (L x W x H)</b>	660 x 800 x 1630 mm
<b>Weight</b>	95 kg

# Questions and answers

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## What does ATEX SP 3D mean in the model name?

SP stands for Self-Powered Cleaning -- integrated reverse jet with compressed-air pulse. 3D refers to the ATEX category: Zone 22 external (category 3D). The model is certified II 3D Ex h IIIC T160 Dc and can be installed stand-alone in a Zone 22 environment without an additional filter cleaning setup.

## Is the ECOBULL PLUS ATEX SP 3D certified for Zone 21?

No. The ECOBULL PLUS ATEX SP 3D is pure 3D -- Zone 22 external only. For Zone 21 choose a 1/2D model, e.g. the Depureco BL 45 DEX 1/2D. For internal Zone 20 (combustible dust inside the container itself) choose a 1/3D model, e.g. the ECOBULL PLUS DEX 1/3D.

## What is the difference between ATEX SP 3D and DEX 1/3D?

SP 3D has a 3x cartridge filter with 90,000 cm<sup>2</sup> and reverse-jet cleaning included -- built for continuous operation with automatic filter cleaning. DEX 1/3D has a star filter 24,000 cm<sup>2</sup> with manual cleaning and is cheaper, but requires manual filter handling. SP 3D also has pure 3D marking (Zone 22 external only); DEX 1/3D has 1/3D marking (Zone 22 external + Zone 20 internal).

## Is the 4 kW three-phase side-channel blower enough for my task?

The ECOBULL PLUS ATEX SP 3D delivers 350 m<sup>3</sup>/h at 270 mbar -- sufficient for one to two stationary collection points with 3-5 m hose. For higher airflow choose the ECOBULL PLUS ATEX SP 3D (350 m<sup>3</sup>/h) or the TX range (350-550 m<sup>3</sup>/h). For a 100 mm inlet and heavy industrial duty, choose the PUMA DEX range.

# Contact and advisory

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## PARTICULAIR

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