

DEPURECO · II 3D EX H IIIC T140°C DC -- II 3G EX H IIB T3 GC

Depureco AC 65 Z2/22



The AC 65 Z2/22 is Depureco's mid-tier compressed-air vacuum: same ATEX certification as the MINIAIR (II 3D Ex h IIIC T140 Dc + II 3G Ex h IIB T3 Gc, Zone 22 dust + Zone 2 gas), but with a large venturi tube, 65 L container and a noticeably wider 24,000 cm² star filter. It is the step-up for process plants where collection volume exceeds what a 45 L chassis can handle. 480 m³/h suction through the 80 mm tangential inlet improves pickup of heavy grains and lengthens the interval before the filter needs cleaning. Air consumption is paradoxically lower than the MINIAIR -- 1233 NI/min at 6-8 bar versus the MINIAIR's 2500 -- because the venturi-tube design is more air-efficient than two separate ejectors. Noise level: 70 dB(A).

APPLICATIONS

- Two-operator process handling in Zone 22 with intermittent Zone 2 gas
- Refinery maintenance with carbon-like granulate and light HC vapour
- Pharma collection in pilot plants with combustible excipients
- Chemical industry -- cleaning around pipe fittings and flanged joints
- Metal finish shops handling lightly reactive dust + solvent vapour

Technical specifications

ATEX marking	II 3D Ex h IIIC T140°C Dc -- II 3G Ex h IIB T3 Gc
Internal / external zone	22 / 22
Motor type	Venturi-rør, pneumatisk drift (trykluft 6-8 bar)
Airflow	480 m ³ /h
Vacuum	500 mbar (5097 mmH ₂ O)
Container	65 L
Sound pressure	70 dB(A)
Filter class	M class
Filter type	Stjernefilter antistatisk polyester klasse M, 24.000 cm ² , manuel rens (H14 28.000 cm ² fiberglass som tilkob)
Primary filter	Stjernefilter antistatisk polyester klasse M, 24.000 cm ²
Cleaning system	Manuel filterrens
Collection system	Detachable container
Material	Lakeret staalkonstruktion, AISI 304 stoevbeholder
Air consumption	1233 nl/min
Supply pressure	6-8 bar
Air supply hose	Diameter 12 mm
Venturi units	1 pcs
Inlet	Diameter 80 mm
Dimensions (L x W x H)	660 x 800 x 1200 mm
Weight	64 kg

Questions and answers

Why is the model called AC?

AC stands for 'Aspiratore Compresso' -- Italian for compressed-air vacuum. It is Depureco's range of pneumatic venturi-based industrial vacuums. The AC number (65, 100, 250...) refers to the container size in litres.

Can I upgrade to AC 100 later?

Yes. The AC 65 and AC 100 Z2/22 share the same chassis footprint, the same ATEX certification and the same interface -- the only difference is container depth. Upgrade can be done as a container-swap at Depureco or at Particulair service. Contact us to evaluate your configuration.

Why is the filter only M class and not H14?

The AC range is primarily intended as a process collector where volume, not fineness, is the challenge. The M class star filter handles MPA-grade dust and is enough for most process rooms. If CMR substances or pharmaceuticals are handled, choose a variant with H14 -- see the AC 65 Z20/21, where HEPA is standard.

Can the AC 65 Z2/22 be used in Zone 1 gas?

No. The ATEX certification is only II 3G -- Gc EPL -- which covers Zone 2 gas (infrequent, short-term). Zone 1 gas requires Gb or Ga EPL, which is a different motor class (1/2G or 1G). If Zone 1 is needed, the solution should be a Delfin MTL 4533 or similar 2G-certified unit. Contact us for a recommendation.

Contact and advisory

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