

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

Depureco AC 100 Z2/22



The AC 100 Z2/22 is the larger sibling of the AC 65 Z2/22: same chassis footprint (660 x 800 mm), same venturi tube and same ATEX certification (II 3D + II 3G), but container size is extended to 100 L. Catalogue figures for height and weight change only slightly -- 1200 mm tall (same as AC 65) and 66 kg (+2 kg). It is the right model where collection volume is the critical factor: three- to four-shift operation, process points that are not easily accessible for daily emptying, or systems where the night shift must be able to vacuum without stopping for container cleaning. Flow (480 m³/h), vacuum (500 mbar) and air consumption (1233 NI/min) are identical to the AC 65 -- the only thing that grows is the container depth.

APPLICATIONS

- Three-shift operation on a refinery line with sparse manning
- Elevated process points where container emptying is cumbersome
- Night or weekend maintenance where the unit must stand unattended
- Centrally placed vac in process plants with combined zoning
- Dust collection from multiple parallel measurement stations via valve manifold

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 | 100 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 | 66 kg |

Questions and answers

Why should I choose AC 100 over AC 65?

Two main reasons: (1) volume -- if your daily collection exceeds 40 L, then the 65 L chassis is tightly packed and you will have to empty more often than you want; (2) access -- if the vacuum stands where frequent emptying is cumbersome (high, confined or zone-restricted), then 100 L buys flexibility. Specs are otherwise identical.

Is the chassis footprint the same as AC 65?

Yes, 660 x 800 mm -- same footprint *and* same height (1200 mm) as the AC 65 Z2/22. Depureco achieves the extra 35 L collection by extending the container inward within the chassis volume, without changing external geometry. You can swap AC 65 and AC 100 without moving installation interface or setup footprint.

How often should the filter be cleaned?

It depends on dust type. For normal process dust (non-sticky, under 100 um) the filter can run 8-12 hours between manual knock-cleans. Sticky or hygroscopic dust: more often -- perhaps per shift. If the filter clogs quickly it is often a signal that the material is outside the AC range's profile.

Can it be emptied without stopping the machine?

Yes -- the container is hook-based and can be pulled out during operation (lift handle with antistatic rubber). But we recommend a short suction stop during emptying to avoid dust spreading, especially in a Zone 2 gas environment.

Contact and advisory

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