

TIGER-VAC · ATEX-CERTIFICERET PASSIV FILTER-ENHED -- 'GUARANTEED FOR THE SAFE RECOVERY OF FLAMMABLE LIQUIDS' (TIGER-VAC)

Tiger-Vac AC-25 (4W) EX



The Tiger-Vac AC-25 (4W) EX is a PASSIVE filter unit -- no motor, no venturi, no electrical components. Its purpose is purely VOC scrubbing: air from another vacuum (e.g. SS-25 TE or EXP1-55 TE) passes through the unit's exhaust and is filtered through 25 kg activated carbon pellets (3 mm, 211044A, included) plus foam and polyester filters, before exhausting to room air. The result: VOC vapours from fuel, solvents, or aerosolised chemicals are adsorbed before they reach the operator's breathing zone. Mounted on a 4-wheel dolly (4W) for easy movement, only 53 kg, 103 cm tall and 48 cm wide -- fits under most lab benches or at installation sides. Compatible with pharma and cleanroom installations. ATEX-certified for use in Zone 1/21.

APPLICATIONS

- VOC scrubbing of exhaust from SS-25/55 TE or EXP1 TE units
- Pharma and cleanroom installations requiring vapour control
- Temporary standalone VOC control in hangars with limited ventilation
- Inline on process extraction where fuel vapours must be neutralised
- Operator safety in enclosed rooms with high vapour concentration

Technical specifications

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|---------------------------------|---|
| ATEX marking | ATEX-certificeret passiv filter-enhed -- 'GUARANTEED for the Safe Recovery of Flammable Liquids' (Tiger-Vac) |
| Internal / external zone | -- / 21 |
| Motor type | Passiv filter-enhed -- ingen motor, ingen elektriske komponenter |
| Filter class | Stainless steel mesh filter |
| Filter type | Foam-filter (213048) + polyester round filter x2 (213049) + 25 kg aktivt kulpillere 3 mm (211044A inkluderet, 4 mm tilvalg 211044C) |
| Primary filter | Multi-stage: foam-forfilter -> polyester-filtre -> aktivt kulpillere. Statisk ledende konstruktion. |
| Cleaning system | Ingen -- kulpillere udskiftes som forbrugsartikel |
| Collection system | Detachable container |
| Material | AISI 304 rustfri staal |
| Inlet | Diameter 50 mm |
| Dimensions (L x W x H) | 480 x 480 x 1030 mm |
| Weight | 53 kg |

Questions and answers

How does the AC-25 (4W) EX work -- is it a vacuum?

No, it is NOT a vacuum. The AC-25 (4W) EX is a PASSIVE filter unit -- no motor, no venturi. It is connected as a retrofit filter on the exhaust of another vacuum (e.g. SS-25 TE or EXP1-55 TE). Air already drawn in and cleaned through the primary vacuum's mesh filter then passes through the AC-25's activated carbon layer, where VOC vapours are adsorbed before the air reaches the room atmosphere. You cannot use AC-25 alone -- it needs a 'primary mover' to push air through it.

Why not just use the SS-25 AC TE (HY-C) instead?

The SS-25 AC TE (HY-C) is a COMPLETE unit with built-in pneumatic motor + activated carbon filtration -- requires compressor, ATEX zone rules, and is 117 kg heavy. The AC-25 (4W) EX is only 53 kg and is a bolt-on filter for an existing vacuum. Use the AC-25 (4W) EX when you have an existing SS-25 or EXP1-55 and want to retrofit VOC scrubbing without buying a dedicated AC model. Choose the SS-25 AC TE (HY-C) when procuring a new dedicated VOC unit and you do not have an existing primary vacuum.

Contact and advisory

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