

TIGER-VAC · II 2GD EX H IIC T6 GB / EX H IIIC T85°C DB -- LCIE 03 ATEX 6310 X -- IECEx LCIE 17.0076 X -- EN 17348 LC

Tiger-Vac SS-55 (DMB) TE



The Tiger-Vac SS-55 (DMB) TE is the pneumatic version of the EXP1-55 (DMB) TE with the same Dead Man Brake (DMB) Tilting Cart -- rear brakes engage automatically when brake handle is released. Same chassis and capacity as SS-55 (TC) TE Single Venturi (204 m³/h, 5080 mmH₂O, 151 L dry / 170 L liquid, 50 mm inlet) but with a Dead Man Brake safety system that self-engages brakes on handle release. Pneumatic operation (T6, 85 °C max surface) provides maximum ATEX safety level without electrical ignition risk -- critical in hangars with high vapour concentrations around F-35 or hydrogen handling. Dual-certified ATEX + IECEx, EN 17348 LC for flammable and non-flammable liquids.

APPLICATIONS

- Defueling and depuddling of military aircraft (F-35, legacy fighters) in hangars
- Recovery of JP-8, Jet A-1 and diesel spills around refueling stations
- Depot work with fuel residues in defense logistics (NSN/NATO)
- Civilian aviation MRO -- wing-tank emptying during service checks
- Chemical industry with flammable solvents (toluene, acetone, alcohols) in Zone 1/21

Technical specifications

ATEX marking	II 2GD Ex h IIC T6 Gb / Ex h IIIC T85°C Db -- LCIE 03 ATEX 6310 X -- IECEx LCIE 17.0076 X -- EN 17348 LC
Internal / external zone	-- / 21
Motor type	Pneumatisk venturi-aggregat (single, 6 mm), ingen elektriske komponenter -- ATEX T6 (Tmax 85 °C)
Airflow	204 m ³ /h
Vacuum	498 mbar (5080 mmH ₂ O)
Container	151 L
Sound pressure	75 dB(A)
Filter class	Stainless steel mesh filter
Filter type	Rustfri staal mesh-filter med clamp (part 213433) -- aktivt kulfilter (211046C-DM1 + 211045) som tilvalg
Primary filter	Rustfri staal mesh-filter (213433) + strainer basket 211796. Statisk ledende konstruktion (< 10 ohm).
Cleaning system	Ingen (manuel) -- mesh-filter aftages og skylles rent
Collection system	Detachable container
Material	AISI 304 rustfri staal (undtagen vogn)
Air consumption	1272 nl/min
Supply pressure	5.5 bar
Air supply hose	Diameter 12.7 mm
Venturi units	1 pcs
Inlet	Diameter 50 mm
Dimensions (L x W x H)	860 x 1040 x 1370 mm

Questions and answers

What's the difference between DM and DMB carts?

The DM cart has foot-activated brakes on the two front wheels -- the operator steps on a brake pedal to lock the unit in place. The DMB cart (Dead Man Brake) has a handle that must be actively held for the unit to roll -- release the handle and the rear brakes engage automatically. DM is standard safety; DMB is the stricter safety variant required in certain defense procurements. Choose DMB when the unit may be unattended, on sloped surfaces, or in high-risk operations. Choose DM when manual brake activation is sufficient.

Is data missing from SS-55 DM/DMB TE?

Yes -- Tiger-Vac's brochure does not specify dimensions (L x W x H) or weight for the DM/DMB variants separately. We assume specs are strongly similar to SS-55 (TC) TE Single Venturi (102 x 71 x 117 cm, 60 kg), but cannot confirm them as official. We will supplement this page as soon as Tiger-Vac delivers rated data. If dimensions or weight are critical for your tender, contact us and we will source them directly from the factory.

Contact and advisory

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This datasheet is generated deterministically from Particulair product data. Prices and availability provided on request. All specifications subject to change without notice.