

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

## Tiger-Vac SS-55 (DM) TE



The Tiger-Vac SS-55 (DM) TE is the pneumatic version of the EXP1-55 (DM) TE with the same DM Tilting Cart with foot-activated front-wheel brakes. Same chassis and capacity as SS-55 (TC) TE Single Venturi (204 m<sup>3</sup>/h, 5080 mmH<sub>2</sub>O, 151 L dry / 170 L liquid, 50 mm inlet) but with a heavy-duty DM cart with foot-activated brakes. 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

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

# Questions and answers

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## 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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## SMARTER THINKING • BETTER WORKING

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