



Tank Ventilation Cart

The Tank Ventilation Cart (TVC) is designed to ventilate A/C's kerosene tanks efficiently and safely. It removes by suction the explosive kerosene-air mixture from the A/C's wing tanks before servicing, and thereby secures operators' work and health safety.

The TVC consists of a chassis with a mounted grid basket to hold the ventilation hoses and fan. The core part of TVC is an explosion-proof radial fan. The speed of the fan is continuously adjustable. Further components are an air suction control, an electrical power supply line and a grounding cable. TVC is designed to remove and direct kerosene vapour from A/C tank to outside of the maintenance hangar.



Technical data

General specification:	
Working temperature	-20 °C to +50 °C
Dimensions (H x W x L) in mm	2000 x 1150 x 1580 (with raised tow bar)
Total weight	approx. 320 kg
Electric motor:	
Degree of protection	IP 55
Nominal power	1.5 KW
Voltage	400 V / 50 Hz
optional	200 V / 60 Hz
Radial fan:	
Conform to regulation	94/9/EG (ATEX 95)
ATEX category inside	II 2G c IIB T3
ATEX category outside	II 3G c IIB T3
BLOWER eff. (suction side) min. / max.	586 m³/h / 1026 m³/h
Total pressure boost	1314 PA
Static pressure boost	1196 PA
Max. temperature conveying medium	60 °C
Free intake sound pressure level, 1m outdoor	74 dB(A)
Break through sound pressure level, 1m outdoor	57 dB(A)
Chassis:	
Max. speed	25 km/h
Wheels	solid rubber
Parking brake	by a raised drawbar
Inner diameter of the drawbars dee	35 mm
Suction hose:	
Length / Diameter	20 m / Ø 200 mm
Exhaust air hose:	
Length / Diameter	50 m / Ø 200 mm

Customer advantages

- Safe working environment for maintenance staff in tank without kerosene vapour
- Improved staff efficiency from comfortable work in tank without kerosene vapour
- No irritation in maintenance hangar from kerosene smell
- Additional safety for all explosion protected tools and equipment used on kerosene tanks
- High performance ventilator minimizes application time
- Transportation dolly assures utmost mobility, speed and comfort
- Applicable on all A/C types

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