

Reservoir Ventilation Trolley

>TBW1EX<



The trolley is developed for ventilation of fuel reservoirs inside diverse A/C types such as AIRBUS A320 and FOKKER 70 before and during inspection in the dock.

The Reservoir Ventilation Trolley can remove fuel vapour out of the reservoir and replenish it with fresh air.

It can also be adapted for other A/C types.

- > The trolley is designed in accordance with ATEX Directive 94/9/EC for use in zone 2 explosive areas.
- > Certain system parts, such as the complete internal air ducting, the radial fan and the heater are designed for zone 1. Thus fuel vapour collected in exchangeable cartridges in the activated carbon filter, can be directly extracted. In this operating mode, the equipment is additionally monitored by the gas warning equipment.
- > Antistatic spiral compressible hoses are used.
- > To keep the noise level as low as possible, air-ducting components are mounted on anti-vibration elements.

GENERAL INFORMATION

- > The trolley is equipped with an explosion-proof fan-drive motor and an explosion-proof heating of 8kW for temperature increase of approx. 10°C (18°F).
- > The outlet temperature is infinitely variable up to 38°C (100°F) by means of the thermostat.
- > In hazardous situation, the Reservoir Ventilation Trolley can be switched off by main switch without any danger for the user.
- > The trolley is of an ergonomic and spacious design.
- > Components requiring periodical testing and/or maintenance are easily accessible.
- > The trolley is equipped with one fix/one steerable axis and a parking brake.
- > Fork lift access points allow transportation by fork lift truck.
- > An activated carbon filter is provided for exhaust air including a gas warning equipment with optical and acoustical warning and shutdown.

TECHNICAL DATA

<p>> Pneumatic parameters:</p> <p>Volume flow: 2,500m³/h (88,300ft³/h) Pressure differential: 1,500Pa (0.218psi) (Data without connection hose)</p> <p>Electrical supply: 400VAC 50Hz Power: 2.5kW 2,860U/min</p> <p>Connection hose: 2 x 5m (197in), ø 300mm (11.8in), anti-static</p>	<p>> Electrical supplies (requirements):</p> <p>3/N/PE AC 50Hz 400V Nominal current: approx. 20A Back-up fuse: 32A Connection: via CEE-plug (32A) Cable length: 20m (787in)</p>
<p>> Dimensions and weight</p> <p>Length: 2,900mm (114in) (tow bar upright) 3,900mm (154in) (tow bar lowered) Width: 1,400mm (55.1in) Height: 2,200mm (86.6in)</p> <p>Weight: 930kg (2,050lb)</p>	<p>> Operating conditions:</p> <p>Ambient temperature: 0°C to +35°C (32 to 95°F) Storage temperature: 0°C to +60°C (32 to 140°F) Rel. air humidity: max. 80% to 31°C (87.8°F), then linearly decreasing to 67% at 35°C (95°F), non-condensing Altitude: max. 1,000m (3,280ft) MSL (Main Sea Level) Noise level: max. 76dB(A) in 1m (39.4in) distance Protection class: IP54</p>