

Cabin Pressurization Trolley

>KDP14<



The equipment is developed for testing cabin leakproofness and proper functioning of the overpressure valve on A/C type P-3C Orion.

Parameters are measured, such as outlet pressure, temperature on the cabin pressure tester, cabin pressure to ambient differential, cabin temperature and air-flow rate.

The rising or lowering rate is measured by a variometer, so leakage on the A/C is detected.

- > Rotary piston fan to generate required pressure and flow
- > Integrated compressed air aftercooler
- > Easy maneuverability by chassis with turntable steering, solid tyres and integrated, automatic fixing brake
- > Easy service by access through doors
- > Accessory drawer to keep A/C-adapter, sensor system box and air hose with respective adapter, retainer for supply cable and cable drum to reel the test cable

TECHNICAL DATA

<p>> Electrical supply (requirements):</p> <p>Mains connection: 3/PE AC 50Hz 400V Nominal current: 70A Power: 49kVA Preliminary fuse: 80AgL Short-circuit current: max. 50kA</p>	<p>> Measurements:</p> <p><u>Pressure:</u> Range: 0 to 1bar rel. (0 to 14.5psi) Tolerance: ±0.5% o.f.s.</p> <p>Range: 0 to 1.6bar abs. (0 to 23.2psi) Tolerance: ±0.5% o.f.s.</p> <p>Range: 0 to 1bar rel. (0 to 14.5psi) Tolerance: Cl. 0.6 (EN837)</p> <p><u>Flow speed:</u> Range: 0 to 60m/s (0 to 196.9ft/s) Tolerance: ±5% o.f.s.</p> <p><u>Flow:</u> (calculated from flow speed) Range: 0 to 25m³/min (0 to 882.9ft³/min) Tolerance: ±5% o.f.s.</p> <p><u>Temperature:</u> Range: -20 to +80°C (-4 to +176°F) Tolerance: ±2°C abs.</p> <p><u>Rising rate:</u> Range: ±1,830m/min (±6,000ft/min)</p> <p>rel. ... relative abs. ... absolute o.f.s. ... of full scale</p>
<p>> Pneumatic performance data:</p> <p><u>Continuous operation:</u> Pressure: 0 to 500mbar (0 to 7.3psi) Flow: 0 to 21m³/min (0 to 741.6ft³/min)</p> <p><u>Short-time operation:</u> Pressure: 0 to 550mbar (0 to 8.0psi) Flow: 0 to 23m³/min (0 to 812.2ft³/min)</p>	
<p>> Medium:</p> <p>Ambient air</p>	
<p>> Operating conditions:</p> <p>Ambient temperature: 5 to 25°C (41.0 to 77.0°F) Storage temperature: 0 to 60°C (32.0 to 140.0°F) Altitude: max. 1,000m MSL (3,280.8ft) Rel. humidity: 5 to 95% (non-condensing) Towing speed: max. 10km/h (6.2mph)</p>	<p>> Dimensions and weight:</p> <p>Length: approx. 4,600mm (181.1in) (tow bar in vertical position) approx. 5,500mm (216.5in) (tow bar in horizontal position) Width: approx. 1,600mm (63.0in) Height: approx. 2,000mm (78.7in) Weight: approx. 1,950kg (4,299.0lb)</p>

OPTIONS

A wide range of options is available to fulfil our customers' requirements.
 e.g.: Adaption for different aircraft types, other dimensions, etc.