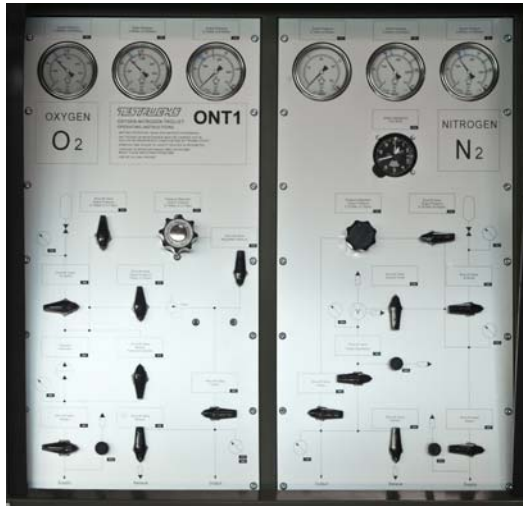


Oxygen and nitrogen trolley

>ONT1<



This equipment is developed to pressurize the AIRBUS A400M oxygen system with nitrogen for leakage and pressure tests in accordance with ATA Chapter 35.

It is possible to adapt this trolley for other aircraft types.

- > The vacuum pump is driven by nitrogen, thus making it independent of electrical or compressed air supply
- > Operating temperature -30 to +50 °C
- > Maximum towing speed is 25 km/h (15 mph)
- > A portable flow tester and ultrasonic leakage detector for ease of testing
- > The equipment can operate in an unsheltered environment

GENERAL INFORMATION

- > Three oxygen bottles and one nitrogen bottle are provided
- > A compressed air driven pressure intensifier can be used when refilling the bottles from a source with lower pressure
- > If required bottles can be removed separately
- > Output is effected via a 10 m stainless steel hose mounted on a spring loaded drum
- > Earthing cable with copper clamp approx. 15m with spring loaded drum
- > Simple maintenance by means of a GRP cover fitted with a gas filled strut
- > The parking brakes on the front axle are operated by lowering or lifting to the vertical position
- > The operating panel is covered when not in use by a shutter

TECHNICAL DATA

<p>> Oxygen circuit:</p> <p>Input pressure: 50 - 300 bar (725 - 4350 psi)</p> <p>Output pressure: 0 - 150 bar (0 - 2176 psi) 192 bar (2785 psi)</p> <p>Storage capacity: 150 l at 300 bar (3 bottles per 50 l) (40 USgal at 4350 psi)</p> <p>Safety valve: 310 bar (4500 psi)</p>	<p>> Vacuum circuit:</p> <p>Working pressure: 6 bar (87 psi) (Nitrogen)</p> <p>Vacuum: 0.5 - 1 bar abs. (7.3 - 14.5 psi) 0 - 22.000 ft</p> <p>Suction capacity: 33.6 NI/min (0.9 USgal/min)</p>
<p>> Nitrogen circuit:</p> <p>Input pressure : 50 - 200 bar (725 - 2900 psi)</p> <p>Output pressure: 0 - 10,5 bar (0 - 152 psi)</p> <p>Storage capacity: 50 l at 200 bar (1 bottle) (13 USgal at 2900 psi)</p> <p>Safety valve : 210 bar (3046 psi)</p>	<p>> Measurements:</p> <p>Pressure: 0 - 400 bar ± 4 bar (0 - 5800 psi ± 58 psi)</p> <p>0 - 250 bar ± 2.5 bar (0 - 3626 psi ± 36 psi)</p> <p>0 - 14 bar ± 0.1 bar (0 - 203 psi ± 1.5 psi)</p> <p>Altimeter: 0 - 22.000 ft ± 100 ft</p> <p>Flow: 0.2 - 5 lpm ± 0.2 lpm (0.05 - 1.3 USgpm ± 0.05 USgpm)</p>
<p>> Pressure intensifier (for filling the unit):</p> <p>Input pressure : max. 300 bar (4350 psi)</p> <p>Output pressure: 300 bar (4350 psi)</p> <p>Working pressure: 6 - 10 bar (87 - 145 psi) (Compressed air)</p>	<p>> Dimensions and weight (tow bar vertical):</p> <p>Length: 2890 mm (9.5 ft)</p> <p>Width: 1190 mm (3.9 ft)</p> <p>Height: 1420 mm (4.7 ft)</p> <p>Weight: 950 kg (2094 lb)</p>

OPTIONS

Many options are possible for adaption, e.g. adaption to other aircraft types, to different touch-screens etc.

Technical data are subject to change!