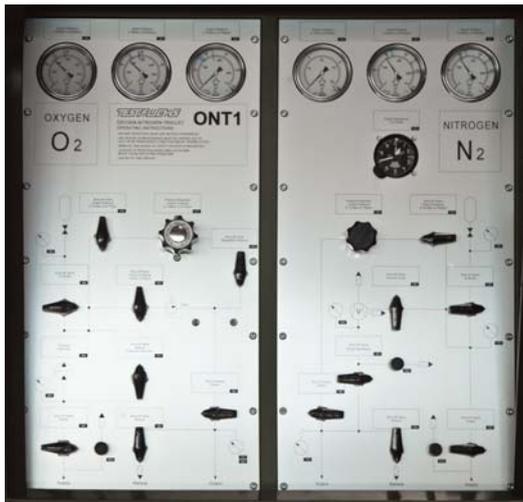


Oxygen And Nitrogen Trolley

>ONT1-M1<



Regulable oxygen supply for the aircraft

- to test and pressure test the oxygen system with nitrogen
- for leakage and performance tests on the AIRBUS A400M according to ATA Chapter 35
- to fill portable breath oxygen bottles on the AIRBUS A400M

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
- > Three oxygen bottles and one nitrogen bottle are provided
- > Freely interconnectable flowmeter and ultrasonic leakage detector for leakage search in portable setup
- > Temperature monitored filling of the portable oxygen bottle possible
- > The equipment can operate in an unsheltered environment

GENERAL INFORMATION

- > 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 10m 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 - 300bar (725 - 4,350psi)</p> <p>Output pressure: 0 - 150bar (0 - 2,176psi) 192bar (2,785psi)</p> <p>Storage capacity: 150l at 300bar (3 bottles per 50 l) (40USgal at 4,350psi)</p> <p>Safety valve: 310bar (4,500psi)</p>	<p>> Vacuum circuit:</p> <p>Working pressure: 6bar (87psi) (Nitrogen)</p> <p>Vacuum: 0.5 - 1bar abs. (7.3 - 14.5psi) 0 - 22.000ft</p> <p>Suction capacity: 33.6NI/min (0.9USgal/min)</p>
<p>> Nitrogen circuit:</p> <p>Input pressure : 50 - 200bar (725 - 2,900psi)</p> <p>Output pressure: 0 - 10,5bar (0 - 152psi)</p> <p>Storage capacity: 50l at 200bar (1 bottle) (13USgal at 2,900psi)</p> <p>Safety valve : 210bar (3,046psi)</p>	<p>> Measurements:</p> <p>Pressure: 0 - 400bar ± 4bar (0 - 5,800psi ± 58psi)</p> <p>0 - 250bar ± 2.5bar (0 - 3,626psi ± 36psi)</p> <p>0 - 14bar ± 0.1bar (0 - 203psi ± 1.5psi)</p> <p>Altimeter: 0 - 22,000ft ± 100ft</p> <p>Flow: 0.2 - 5lpm ± 0.2lpm (0.05 - 1.3USgpm ± 0.05USgpm)</p>
<p>> Pressure intensifier (for filling the unit):</p> <p>Input pressure : max. 300bar (4,350psi)</p> <p>Output pressure: 300bar (4,350psi)</p> <p>Working pressure: 6 - 10bar (87 - 145psi) (Compressed air)</p>	<p>> Dimensions and weight (tow bar vertical):</p> <p>Length: 2,890mm (9.5ft)</p> <p>Width: 1,190mm (3.9ft)</p> <p>Height: 1,420mm (4.7ft)</p> <p>Weight: 950kg (2,094lb)</p>
<p>Operating temperature: -30 to +50°C</p>	<p>Maximum towing speed is 25km/h (15mph)</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!