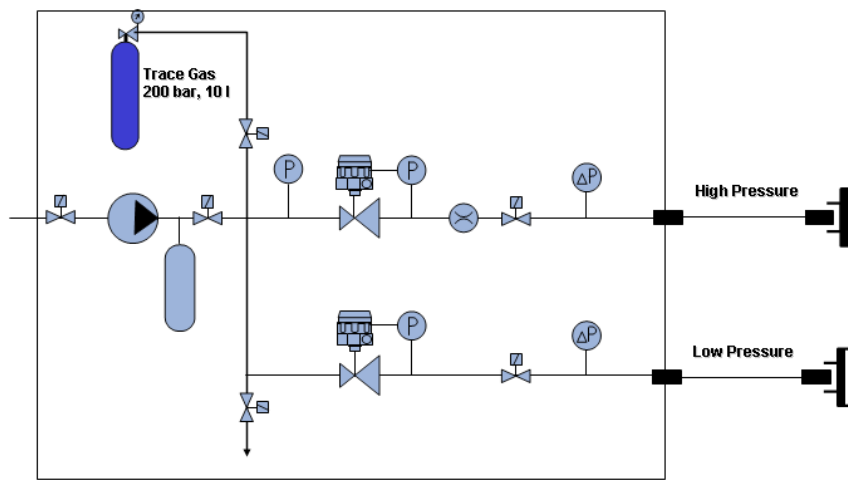




Test Stand

Leak Testing of Aircraft Tubing





Before being supplied for final assembly all aircraft body tubing systems must be tested in order to verify quality. This is done by two test rigs: one for the oxygen system and a second one for all other systems. The test rigs are easy to handle and cover a wide range of test pressures, volumes and leak specifications. All necessary adapters are stored within a trolley.

If a leak is detected identification of its location can be accomplished by the He- or H₂-sniffing.

Tasks:

- Pressure test
- Functional test of valves
- Leakage Test
- Trace gas supply for leak site identification

Technical Description

Setup

Universal Test Rig and Oxygen Test Rig

Test Parts

Assembled tube segments

Test Media

Compressed Air, Nitrogen

Pressure

0.1 - 20 bar / 5 - 200 bar

Temperature

Ambient temperature

Controls

PC touch screen and additional remote control

Features

- Small, mobile, easy to use test rigs (<180 kg)
- All adapters for the tube system included
- Integrated gas booster powered by shop floor pneumatics
- Temperature compensation
- Data storage and test report available

The design and the technical parameter are selected for this application and can be changed according to customer's needs.