



The test bench is designed according to the testing requirements of oxygen accessories and oxygen instruments of various military and civil aircraft, and takes into full consideration the particularity and safety requirements of oxygen accessories testing. The test bench is designed as a general platform structure. In addition to meeting specific product testing requirements of users, it can be expanded according to subsequent requirements to increase testing capabilities. The working medium of the test bench is nitrogen.

Test functions:

- Pressure reducer air tightness inspection (nitrogen) : 12.7 ~ 14.7 MPa/ 0 ~ 2.5 MPa;
- Safety valve leakage inspection (nitrogen) : 12.7 ~ 14.7 MPa/ 0 ~ 150 ml/min;
- Pressure reducer performance check (nitrogen) : 12.7 ~ 14.7 MPa/ 0 ~ 2.5 MPa/ 0 ~ 6 m³/h;
- Safety valve opening pressure inspection (nitrogen) : 12.7 ~ 14.7 MPa/ 0 ~ 2.5 MPa;
- Air tightness inspection of intake valve: 0 ~ 10 MPa;
- Air tightness inspection and working performance inspection: 0 ~ 2.5mpa;
- Oxygen switch air tightness inspection: 12.7 ~ 14.7 MPa;
- Switch valve air tightness inspection and hand-wheel rotation angle inspection: 12.7 ~ 14.7mpa;
- High pressure oxygen pressure gauge and low pressure oxygen pressure gauge inspection: 0 ~

16 MPa;

- Oxygenation nozzle inspection: 12.7 ~ 14.7 MPa/ 0 ~ 10 ml /min;
- Air tightness inspection of oxygen cylinder connector, one-way valve and oxygen filling nozzle valve: 12.7 ~ 14.7 MPa/ 0 ~ 150 ml /min;
- Oxygen cylinder connector, one-way valve, oxygen nozzle one-way valve flow capacity inspection: 0 ~ 2.5mpa /0 ~ 120 L/min;
- High-pressure accessories air tightness inspection: 15 ~ 25 MPa.