



Combination Test Cabinet (BFV 64)

Service description

- Test chamber for simulating combined environmental conditions (temperature, altitude and humidity)

Areas of application

- TAH test (Temperature, Altitude & Humidity)
- Low pressure and overpressure tests
- Icing tests
- Test standards: DIN EN 60068-2, MIL-STD 810, RTCA / DO-160

Added value for our customers

- Cost-effective simulation for take-off and landing cycles
- Combination of several environmental parameters in a test chamber possible for vacuum tests up to 20,000 m

Technical Data

- **Temperature range:** -70 °C to +150 °C
- **Ambient pressure:**
approx. 25 hPa to 1,000 hPa (abs.)
- **Relative humidity:** up to 95 %
- **Cable feedthrough (Ø):** 35 mm, 55 mm and 85 mm
- **Test Cabinet dimensions (LxWxH):**
1.10 m x 0.79 m x 0.70 m



Vacuum Chamber (UK) – up to 20,000 m above sea level

Service description

- Drive-in vacuum chamber with temperature control for carrying out functional tests at high or low temperatures in combination with height simulation (low pressure)
- HV-vehicle-compatible by mobile extinguishing device

Areas of application

- Proof of functionality and accuracy for components and systems
- Simulation of transport loads in the cargo hold
- Test standards: DIN EN 60068-2, MIL-STD 810, RTCA / DO-160, various manufacturer standards

Added value for our customers

- Combination of vacuum tests with extreme temperatures in a test facility possible

Technical Data

- **Temperature range:** -70 °C to +80 °C
- **Ambient pressure:** approx. 960 hPa to 50 hPa (approx. 560 m to 20,000 m)
- **Cooling capacity:** max. 70 kW
- **Floor loading:** max. 10 kN/m²
- **Cable feedthrough (Ø):** 100 mm and 140 mm
- **Power supply:** 230 V or 400 V (16 A, 32 A, 63 A and 125 A)
- **Compressed air supply:** max. 25 bar
- **Water supply:** Well water (inlet and outlet)
- **Exhaust emission extraction system:** max. 4,500 m
- **Chamber dimensions (LxWxH):** 5.50 m x 2.80 m x 2.90 m



Pressure Change Systems

Service description

- Effect of air pressure changes on technical systems
- Three pressure vessels for tests with high or low air pressure

Areas of application

- Rapid and explosive pressure drop test
- Low pressure and overpressure tests
- Test standards: DIN EN 60068-2, MIL-STD 810, RTCA / DO-160

Added value for our customers

- Functional tests at low pressure up to 20,000 m, pressure loss and overpressure on large components and systems under operation possible

Technical Data

- **Ambient pressure:** 10 hPa to 2,500 hPa (abs.)
- **Temperature range:** room temperature
- **Test chamber dimensions:**
 - Pressure vessel 1:
Length 600 mm || Ø 345 mm
 - Pressure vessel 2:
Length 1,300 mm || Ø 1,090 mm
 - Pressure vessel 3:
Length 2,000 mm || Ø 1,580 mm
- **Cable feedthrough:**
Via pressure-tight flange (Ø): max. 125 mm