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ADF Science



CPS-100A Aircraft Cabin Pressurization Training Set

Description

The Cabin Pressurization Set is composed of fully functional aircraft components. It demonstrates how a complete aircraft cabin atmosphere and pressurization control system function. The compact construction of the set allows trainees to conceive the system as a whole and understand the connection between the various parts of the system in regulating the cabin environment.

The trainer includes two sealed chambers simulating altitude and cabin pressure. The vacuum chamber is able to simulate up to roughly 22,000 ft. above the mean sea level. The cabin chamber imitates the pressurized aircraft cabin and includes cabin components.

Features

- PSU(Passenger Service Unit)
- Fault Panel for instructor.
- Control Panel
- Circuit Breakers
- 10 inch Airbus Lower ECAM
- Auto – Pilot control panel
- Master Caution
- Warning Horn
- Air Condition panel
- Pressurization Panel
- Switches Panel
- Digital Screen
- Atm. Altimeter
- Cabin Altimeter
- Vertical Speed
- Information flags
- System status



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- Auto – Pilot Values
- Bleed Status
- Pack Flow Status
- Cab Mode
- All Pressures
- Pack Flow Status
- Cab Mode
- All Pressures
- Cabin pressure sensor
- Altitude controlled in vacuum chamber
- Pressure monitored in “cabin” chamber
- 24 VDC power supply included
- Aircraft components
- Differential controller
- Vacuum chamber (altitude simulator)
- Cabin pressure chamber (cabin simulator)
- Regulator (simulates air to cabin)
- Cabin dump valve
- Regulating valve
- GC input

Specifications

- Delivered fully assembled, tested and ready to operate
- AC power 220 / 110 Volt required
- Optional CBT, which illustrates the essential topics for flexible and solid fluid lines fabrication and installation training can be provided.