

FALCON™

HYPOBARIC CHAMBER

The FALCON Hypobaric Chamber is an ideal platform for training and research applications for rapid pressure, temperature, humidity and oxygen concentration changes.



AIRCREW TRAINING
SYSTEMS



FALCON HYPOBARIC CHAMBER

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ETC'S PROPRIETARY AUTOFLIGHT SOFTWARE ENABLES THE CHAMBER TO BE FLOWN AUTONOMOUSLY, WHILE CREATING A TIGHTLY CONTROLLED AND REPEATABLE ENVIRONMENT CORRESPONDING TO ALTITUDE VARIATION IN FLIGHT. TRAINEE STATIONS ARE CONFIGURED FOR BOTH MASK-ON AND MASK-OFF HYPOXIA TRAINING, CATERING TO AIRCREW AND PERSONNEL FROM DIFFERENT AIRCRAFT TYPES AND MODES OF OPERATION.

CHAMBER CONFIGURATION

- Wide range of chamber capacity and sizes
- Individual trainee seating with oxygen regulators and mask system
- Configured for night hypoxia training
- PVHO compliant
- Automated Psychomotor Assessment System (APAS) available

AUTOFLIGHT CONTROL SYSTEM

- Pre-loaded flight profiles with extensive user customizability
- Real-time flight profile and system status monitoring
- Capable of fully autonomous flights
- Convertible to manual or semi-automatic flight mode at any time

APPLICATIONS

- Mask-off hypoxia for altitude hypoxic hypoxia experience
- Mask-on hypoxia for system failure training, configurable for CADO training
- Rapid Decompression training
- Altitude Research



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