

Hospital Hyperbaric Oxygen Therapy Chambers

HBOT

DESCRIPTION

JFD Cowan provides a comprehensive service in both the Hyperbaric and Hypobaric domains including all the essential elements of design, manufacture, installation, commissioning, training and in-service support. This extends to full and part refurbishments.

Hypobaric chambers are used to simulate aircraft altitude conditions for pilot training, evaluating medical conditions at altitude, train and test pilots in altitude conditions, and simulate the rapid decompression of an aircraft.

In Hyperbaric Oxygen Therapy (HBOT) the patient is placed in the chamber under a pressure greater than atmospheric where pure oxygen is administered by a mask or oxygen hood. HBOT treatments can be carried out in most recompression chambers, either cylindrical or rectangular in shape. The cylindrical design is usually more cost effective to manufacture while the rectangular design, resembles a normal room, and may easily accommodate large doors.

Both a Hypobaric and Hyperbaric capability can be incorporated in the one chamber by providing both pressure and vacuum systems. A wide range of other options are available including size, shape, pressure rating, layout, accessories and special applications.



KEY FEATURES

- Fire deluge system
- Lighting
- CO₂ scrubbing
- BIBS and hoods oxygen supply
- PLC based controls system
- Interchangeable seats and bunks
- Comms and CCTV systems
- Entertainment and communications
- Environmental control system
- NATO flange connection
- HP and/or LP air systems
- Mains and/or bottle bank oxygen systems
- Inward and outward opening door options
- Designs for diving illness and HBOT treatments

