



FINK ENGINEERING

RECTANGULAR HYPERBARIC SYSTEMS

The TL20 Hyperbaric Oxygen Treatment Facility

FE03



Fink Engineering's range of Hyperbaric Oxygen Treatment Facilities represent the latest state of the art technology for user friendly hyperbaric treatment. The Triple Lock 20 person (TL20) is custom designed to meet the requirements of large hospital based treatment centres and provides a 6 ATA diver decompression inner and entrance lock as well as a 12 patient 3 ATA main lock. A full sized 1200mm wide x 1920mm high flush fitting sliding door enables trolleys and wheelchairs to be loaded into the chamber smoothly. An environmental control system keeps the temperature and humidity at comfortable levels inside the chamber while patients breathe oxygen through hoods or BIBS. An easy opening Fink Engineering 350mm square x 500mm long medical lock is large enough to accommodate bedpans resuscitators and ventilators. The TL20 is fitted with a unique push button life support system with manual backup which makes the operation safe and simple. Large diameter T.V. ports and 4 channel entertainment system provide entertainment for the patients while a flush toilet in the entrance lock enhances patient comfort. The TL20 can be modified to suit your requirements by altering the number and size of the locks, doorways, viewports and life support equipment.

Fink Engineering Facilities are designed to meet the requirements of AS1210, ASME PVHO-1 and NFPA 99. ASME Certification to Section VIII Division 1 is available as well.

See page 2 for full technical details

©2002 Fink Engineering Pty Ltd

Ph +61 3 9585 2966 Fax +61 3 9585 3066 Web www.fink.com.au E-mail fink@fink.com.au

TL20 Specifications

DESIGN PRESSURE MAIN LOCK	22 MSW, 220 Kpa	DESIGN CODE	AS1210 & PVHO-1
OPERATING PRESSURE	20 MSW, 200 Kpa	CERTIFICATION	AUSTRALIAN WORKCOVER AUTHORITY
DESIGN PRESSURE ENTRANCE & INNER LOCKS	55 MSW, 550 Kpa	OPTIONAL CERTIFICATION	LLOYDS, DNV, ABS
OPERATING PRESSURE	50 MSW, 500 Kpa	OPTIONAL CONSTRUCTION CODE	ASME SECTION VII DIV 1
OPERATING TEMPERATURE	17 - 38 DEG C	CHAMBER MATERIAL	CARBON STEEL
WEIGHT WITHOUT PERSONNEL	50,000 Kg	FINISH	SHOTBLASTED AND PAINTED
INTERNAL VOLUME ML	43.5 SCM	LIFE SUPPORT CONTROLS	PUSH BUTTON AIR PRESSURISATION
INTERNAL VOLUME EL	15.0 SCM	BIBS WITH OVERBOARD EXHAUST	4 ML, 4 IL, 2 EL
INTERNAL VOLUME IL	13.6 SCM	HOODS WITH OVERBOARD EXHAUST	16 ML, 4 IL, 2 EL
DOORWAY SIZE ML	1200mm X 1920mm	DEPTH MEASUREMENT	DIGITAL WITH ANALOGUE BACKUP
OTHER DOORWAYS	1000mm X 1920mm	GAS ANALYSIS - O ₂ , CO, CO ₂	OXYGEN 0 - 100% WITH ALARMS
MEDICAL LOCK DIMENSIONS	350mm SQ X 500mm	COMMUNICATIONS	EXTERNAL WITH AUXILIARY HEADSETS, INTERNAL SPEAKERS WITH AUXILIARY FOUR CHANNEL ENTERTAINMENT
FOURTEEN LIGHTPORTS	50mm I.D.	LIGHTING	SIXTEEN EXTERNAL DIMMABLE LIGHTS
FOUR VIEWPORTS	600mm I.D.	CHAMBER RELIEF	ASME CERTIFIED RELIEF VALVES
THREE VIEWPORTS	330mm I.D.	LIFE SUPPORT POWER	12 VDC BATTERY BACKUP
TWO VIEWPORTS	150mm I.D.	ENVIRONMENTAL CONTROLS	INCLUDED

