

TC 1150 Transport chamber



Introduction

The TC 1150 will accommodate two divers or a patient and seated attendant. An easily removable, rail-mounted stretcher with restraint straps is provided for the patient, which provides the attendant unobstructed access to the patient for administering CPR and basic life support.

A NATO bayonet flange allows the TC 1150 to lock-on to larger treatment chambers for transferring the divers under pressure. Two viewports provide the operator with 95% visibility of the chamber interior and a bayonet type medical lock with safety interlock allows medical supplies and personal items to be passed in and out of the chamber. Life support for the occupants is provided by optional onboard air, oxygen and power supplies. An optional nonmagnetic version is also available for use aboard mine countermeasures vessels.

Standard equipment

- NATO bayonet flange for transfers under pressure
- Manway door interlock and automatic TUP equalising valve
- Large medical lock with safety interlock
- Two wide-angled viewports which provide 95% visibility of the interior
- Intuitive control panel
- Nylon web-type lifting sling set
- Removable rail-mounted patient stretcher with restraint straps
- Dual pressurisation system with main and fine control valves

- Exhaust system with autovent, main and fine control valves with flow meter
- Oxygen breathing system with internal supply and overboard discharge manifolds with quick connects
- Chamber atmosphere sampling system
- Connection points for external air, oxygen and power supplies
- Dual-scale MSW/FSW 0,25% accurate depth gauge
- Robust 2-way communication system with fist microphone, tape recording connection, rechargeable 16-hour battery pack and 110/220 VAC charger
- Intravenous drip hook
- ECG penetrator
- Integral stainless steel transport trolley with height adjusted castor wheels which allow the transport chamber to lock onto treatment chambers of different heights and forklift pockets for easy mobility and handling
- Pre and post-dive check list on the control panel
- Detailed operating and maintenance manuals in hard copy & magnetic format for customer configuration management
- Breathing system exhaust back-pressure regulator
- Divex Ultralite 2 overboard discharge oxygen masks
- Carbon dioxide scrubber
- Chamber atmosphere oxygen monitoring system
- Chamber atmosphere carbon dioxide monitoring system
- Panel-mounted waterproof digital stopwatch
- Hy-Fex 3 litre Hyperbaric fire extinguisher
- Dimmable LED type chamber light
- Mixed gas breathing system
- Caisson depth gauge
- 70 Amp-hour onboard power supply



Options

- 15,840 litre onboard HP air supply with four 18 litre 220 bar cylinders, manifold with recharging point, high volume piston sensed regulator, HP/LP pressure gauges and interconnect pipe work
- 3000 litre onboard HP oxygen supply with one 15 litre cylinder, regulator, HP/LP pressure gauges, external recharging point and interconnect pipe work
- Type ECS 300 2 kW chamber heating and cooling system
- Gas supply cart with three 50 litre 200 bar air cylinders, one 50 litre 200 bar oxygen cylinder, regulators and hoses
- Mating flanges to any other specification
- Other options to suit user requirements

Specification

Design code	ASME VIII Div. 1 and ASME PVHO-1
Certification authority	Lloyd's Register
Maximum depth rating	60 MSW
Material of construction	Duplex stainless steel
Volume	1500 litres
Inside diameter	1150mm
Overall length	2750mm
Overall height	1600mm
Overall width	1560mm
Gross weight	410kgs without onboard air and oxygen supplies 515kgs with onboard air and oxygen supplies



Order Codes

TC 1150 Transport chamber
TC1150BB