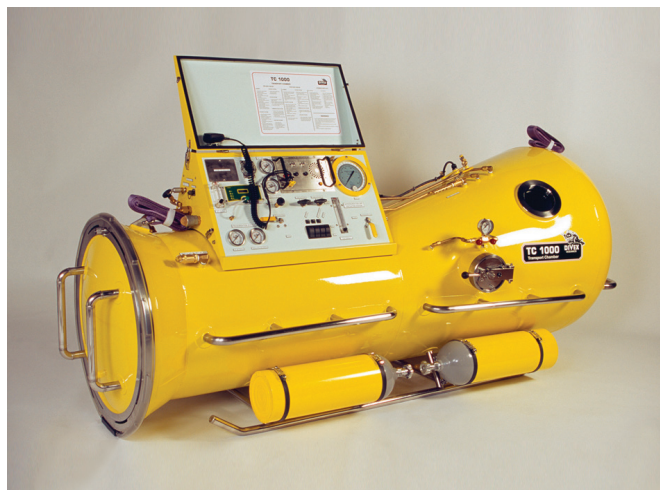


# TC 1000 Transport chamber



## Introduction

The TC 1000 is a lightweight two-man stainless steel transport chamber which provides easily mobilised on-site recompression treatments and transport of divers under pressure to larger treatment chambers. With two occupants under pressure, it is man-carryable by ten people and is also fully transportable by helicopter or fixed-wing aircraft.

## Applications

An attendant sits in the larger rear section of the chamber on a padded seat with backrest and a removable rail-mounted stretcher is provided in the cylindrical section for the recumbent patient, allowing the attendant full access to the patient's head and torso for the administration of CPR and basic life support. Two large diameter viewports are provided for observing the occupants and a medical lock with safety interlock allows small medical and personal items to be passed in and out of the chamber. Equipped with a NATO bayonet flange it provides a means to transfer divers under pressure to larger treatment chambers.

The TC 1000 is equipped with optional onboard air, oxygen and power supplies. Connection points for external supplies are also provided as standard. An automatic ventilation system reduces oxygen and carbon dioxide build-up, while a sampling system allows the chamber atmosphere to be monitored for oxygen and carbon dioxide content. An optional non-magnetic version is 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 large viewports
- Weatherproof stainless steel control panel
- Rail-mounted patient stretcher
- Intravenous drip hook
- Nylon web-type lifting sling set with stainless steel shackles
- Dual pressurisation system with main control valve
- Exhaust system with 1 & 2 man autovent
- Depressurisation fine control valve with flow meter
- Oxygen breathing system with internal supply and overboard discharge manifolds with quick connects.
- Connections 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 gel-cell battery pack and 110/220 VAC charger
- Pre and post-dive check list on the control panel
- Detailed operating and maintenance manuals in hard copy & magnetic format for customer configuration management
- Weatherproof digital panel-mount stopwatch
- Chamber atmosphere sampling circuit
- 7200 litre onboard HP air supply system with three 12 litre 200 bar cylinders, manifold with recharging point, high volume piston-sensed regulator, HP/LP pressure gauges and interconnect pipe work
- 2400 litre onboard HP oxygen supply system with one 12 litre cylinder, regulator, HP/LP pressure gauges, external recharging point and interconnect pipe work
- Oxygen breathing system comprising supply and overboard discharge control valves, interconnect pipework, internal quick-connect couplings and two Divex Ultralite 2 overboard discharge oxygen masks
- Hy-Fex 3 litre Hyperbaric Fire Extinguisher
- Chamber atmosphere oxygen monitoring system
- Chamber atmosphere carbon dioxide monitoring system
- Headset & boom mic for comms system
- Carbon dioxide scrubber

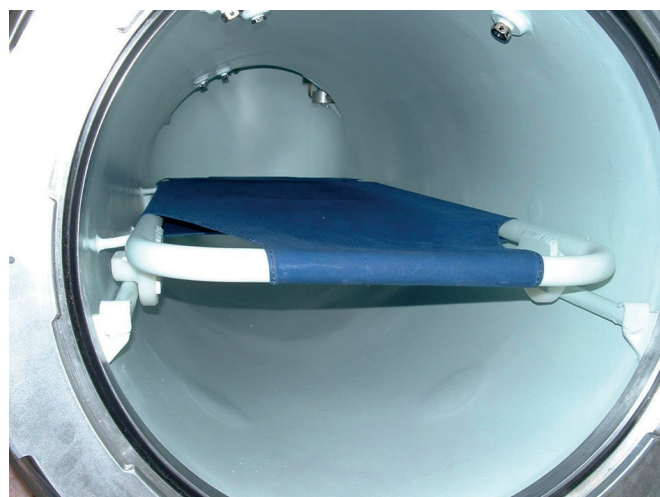


## Specification

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	1100 litres
Inside diameter	665mm min. 1000mm max.
Viewport diameter	150mm I.D.
Overall length	690mm
Overall height	1135mm
Overall width	1210mm
Gross weight	220kgs without onboard air and oxygen supplies 285kgs with onboard air and oxygen supplies

## Options

- Auxiliary gas supply cart with three 50 litre 200 bar air cylinders with regulator and LP hose & one 50 litre 200 bar oxygen cylinder with regulator and LP hose
- Chamber transport trolley
- Weatherproof PVC cover with drawstring
- On-site commissioning with Operator & Maintainer training courses
- Other options on request
- ECS 300 2 kW Chamber Heating & Cooling System



## Order Codes

TC 1000 Transport chamber  
TC1000