

## D.A.R.T. INTRODUCTION



**D iver**  
**A ttendant**  
**R ecompression**  
**T ransportable**



## D.A.R.T. INTRODUCTION

**D.A.R.T.** stands for **Diver Attendant Recompression Transportable** and this is a new type transportable recompression chamber which accommodates 2 persons (1 patient and 1 attendant).

Because of its special shape and size the D.A.R.T. is spacious enough to allow extended transportation- or treatment times if necessary.

The D.A.R.T. is designed in such a way that it gives the maximum of space for patient and attendant; but keeping its volume and dimensions and weight to a minimum, which makes it really easy to transport; using a Van-, small trailer, ambulance, or even a helicopter.

### Main Dimensions are:

Overall Length	:2250 mm
Overall Width	:1250 mm
Overall Height incl. skid	:1400 mm
Diameter of Chamber	:1200 mm
Diameter of Door opening	: 600 mm
Length of Stretcher	:2000 mm
Flange Type	:Stanag rotating male connection flange
Total Weight/basic unit without occupants	:± 230 KG
Material	:Water resistant aluminium / ALMG 4,5
Approval	:Lloyds Register of Shipping Germanischer Lloyds TUV DNV



*View of the inside of the D.A.R.T.*

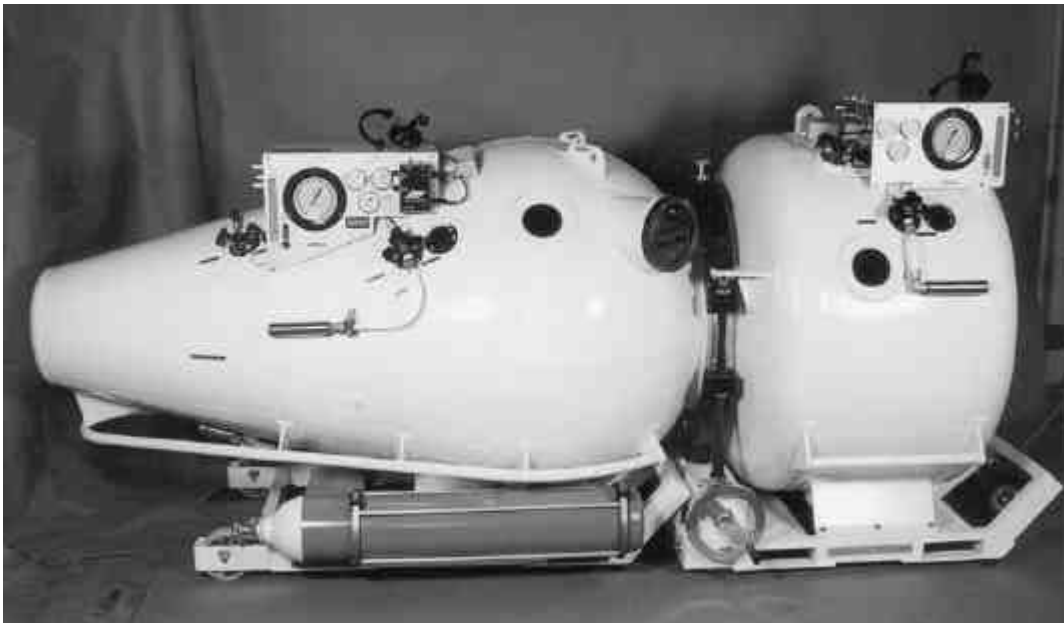
- patient stretcher
- attendant seat
- manifolds
- lighting etc.



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### Basic features of the D.A.R.T.:

- Stretcher for patient with securing straps
- Collapsible seat for attendant
- Medical lock with safety interlock device
- Internal lighting system
- Communication system
- Control panel with; Depth gauge, comms unit, flow meter
- Air control manifold (Inlet/outlet)
- Spare penetrators for additional equipment
- Rotating male Stanag flange
- Transport wheels, with locking system
- Wheeled lever for manual transportation of the D.A.R.T.
- Lifting eyes with sling
- 3 View ports



*View of the D.A.R.T.mated with the A.T.E.L. which makes it a double lock decompression chamber having all the features of a standard D.D.C.*



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### Optional items for D.A.R.T.

- Nicad battery 24 Volt for lighting, comms, etc.
- Build in breathing system; oxygen with overboard dump
- BIBS extension package
- CO<sub>2</sub> scrubber
- Handpump with O<sub>2</sub> + CO<sub>2</sub> testtubes
- Oxygen analyzer; readout in percents
- Oxygen analyzer with partial readout as well as in percents
- Carbon dioxide analyzer, readout in percents
- Carbon dioxide analyzer with partial readout as well as in percents
- Digital pressure readout
- Remote control master unit
- 6 Channel line recorder
- Temperature humidity readout
- Electrical penetrator for therapeutic use
- A.T.E.L. = entrance lock which can be connected to the D.A.R.T., to have a 2 compartment chamber
- Several transportable cylinder frames
- Complete computerized data sampler, for O<sub>2</sub>, CO<sub>2</sub>, temp, pressure, time, patient information, etc.

**For further detailed information please contact Hytech!**



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*View of the A.T.E.L. complete with: - Clamping System  
(for mating the D.A.R.T.)  
- Control panel  
- Transport frame*

### **A.T.E.L. stands for **Attachable Transportable Entrance Lock****

This is in fact an additional chamber compartment, which can be used in combination with the D.A.R.T.

The A.T.E.L. is provided with a special Stanag female flange, which makes it possible to mate the A.T.E.L. with the D.A.R.T. giving a 2 compartment chamber.

The A.T.E.L. has the following main dimensions:

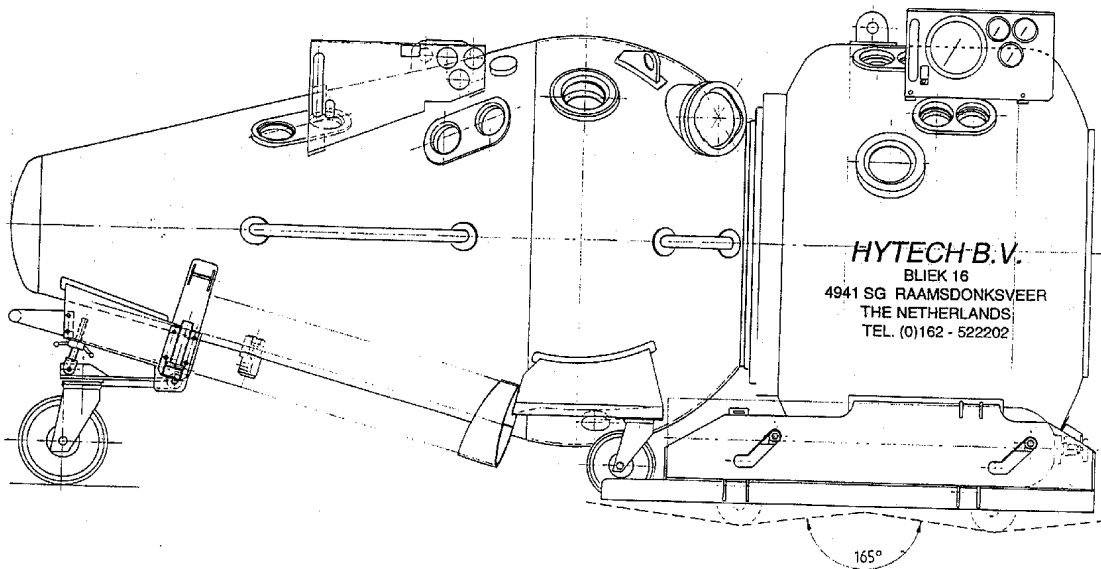
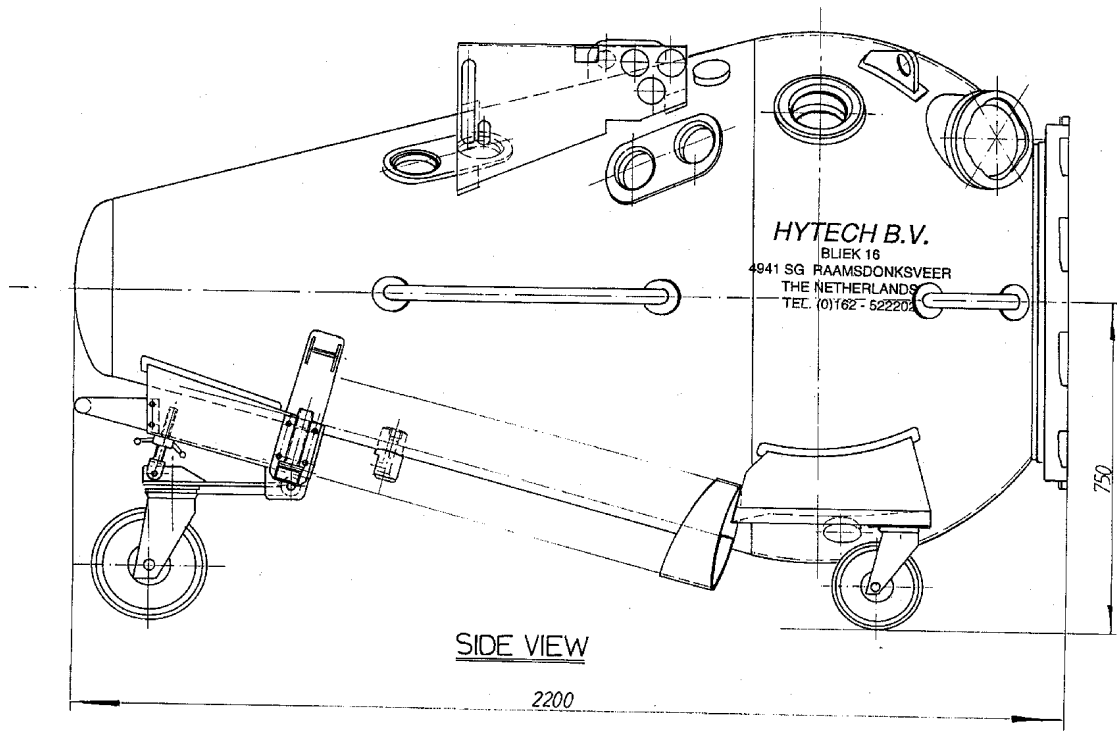
Overall Length:	1100 mm
Overall Width:	1250 mm
Overall Height:	1400 mm
Diameter:	1200 mm
Door Opening:	600 mm
Weight:	approx 230 Kg.
Material:	Seawater resistant aluminium ALMG 4,5

Basic features of the A.T.E.L.:

- All controls for pressurization (air inlet/outlet)
- Communications module
- Control panel with depth gauge, flow meter, etc.
- All identical to the controls as installed on the D.A.R.T.
- Mating device for the D.A.R.T.
- Transport wheels, with locking system



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