

A P P E N D I X G

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(cont'd.)

The spherical wet chamber has a clear diameter of 3500 mm and is therefore large enough to allow two or three divers to move freely. Above the wet chamber there is the also spherical work chamber. All chambers are rated to 100 bar.

Horizontally connected to the work chamber is the cylindrical double-lock decompression chamber with one of the two sufficiently large material locks.

All chamber compartments can be separated by adequate pressure-proof doors. An exception is the connection of wet and dry chamber which does not possess a pressure-proof door. In addition to the special method of steel construction, the complete system is very remarkable because a variety of new life-support control and monitoring installations were incorporated.

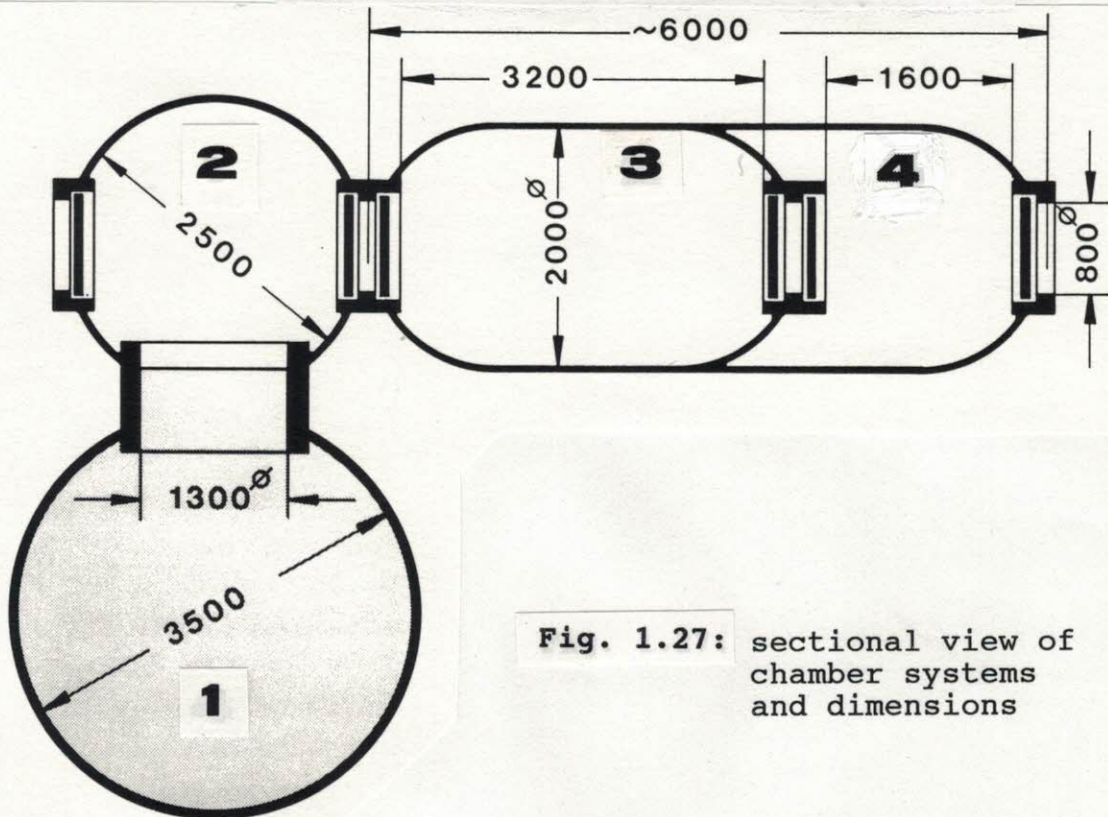


Fig. 1.27: sectional view of chamber systems and dimensions

1: wet chamber

3: decompression chamber

2: high pressure sphere

4: pre-chamber (transfer)