

A P P E N D I X G

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(cont'd.)

Gulf Stream drift using *PX15*. Professor Bühlmann has continued to be a valued authority on decompression and problems of treating decompression sickness. The research facility at the Kantonshospital in Zürich centres around the diving simulator, fully operational since 1976. The whole system has been carefully considered and constructed with many special refinements.

Fig. 1.26 shows the living chamber, transfer chamber and part of the controls. The spherical wet chamber has an internal diameter of 3.5 m and is large enough to support three to four divers. Above the wet chamber is the transfer chamber and living chamber which is also the decompression chamber. All the chambers are rated for operation at 100 bar. A small transfer lock is connected to the living chamber and there are two-way pressure-tight doors throughout the system, except that there is no door between transfer hatch and wet chamber. The engineering of the steel pressure chamber is designed to accept a very sophisticated life-support system with numerous control and monitoring systems.

