DIN EN 14931:2006-08 (E)

Pressure vessels for human occupancy (PVHO) - Multi-place pressure chamber systems for hyperbaric therapy - Performance, safet y requirements and testing

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Performance, safety requirements and testing 6
4.1 General 6
4.2 General requirements common to ante chamber and main chamber 7
4.3 Main chamber requirements 12
4.4 Ante chamber requirements 14
4.5 Control console 15
4.6 Compressed air supply system 18
4.7 Treatment gas supply 19
4.8 Communications 22
4.9 Emergency power supply 22

5 Operating instructions 23

6 Marking 24

Annex A (normative) Adaptor set for compression chambers 25

A.1 General 25
A.2 Standard connections or adaptor set required for the interchangeability of compression chambers 25
A.3 Adaptor set female coupling (locking ring) 26
A.4 Adaptor set male coupling (reducing ring) 27
A.5 Basic dimensions for a treatment chamber to allow mating with a transport chamber 28
A.6 Basic dimensions for a transport chamber to allow mating with a treatment chamber 29

Annex B (informative) Recommendations for medical devices used in hyperbaric chamber systems 30

B.1 General 30
B.2 Pressure 30
B.3 Oxygen 31
B.4 Electricity 32
B.5 Typical medical equipment which may be required for critical care 33

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EC 36

Bibliography 39