ISO 9170-1:2008-07 (E)

Terminal units for medical gas pipeline systems - Part 1: Terminal units for use with compressed medical gases and vacuum

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 * Normative references 2

3 Terms and definitions 2

4 General requirements 6
4.1 Safety 6
4.2 * Alternative construction 6
4.3 Materials 6
4.4 Design requirements 7
4.5 Constructional requirements 10

5 Test methods 11
5.1 General 11
5.2 Test for endurance 11
5.3 Test for pressure drop 12
5.4 Test for connection force and torque 13
5.5 Test for disconnection force and torque 14
5.6 Test for mechanical strength 14
5.7 Test for leakage 14
5.8 Test for gas specificity 15
5.9 Test for effective connection of probes 15
5.10 Test for durability of markings and colour coding 15

6 Marking, colour coding and packaging 15
6.1 Marking 15
6.2 Colour coding 16
6.3 Packaging 16

7 Information to be supplied by the manufacturer 16

Annex A (informative) Rationale 17

Annex B (informative) Environmental aspects 18

Annex C (informative) Special national and regional conditions for electrical installations 19

Bibliography 20