ISO 21009-2:2024-09 (E)

Cryogenic vessels - Static vacuum-insulated vessels - Part 2: Operational requirements

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Personnel training ... **2**

5 General safety requirements ... **3**
5.1 General ... 3
5.2 Safety considerations ... 3

6 Installation ... **3**
6.1 General requirements ... 3
6.2 Outdoor installation ... 4
6.3 Indoor installation ... 5
6.4 Safety distances ... 5

7 Inspection ... **6**
7.1 General ... 6
7.2 Inspection before putting into service ... 6
7.3 Marking and labelling ... 6
7.4 Handover documents ... 6
7.5 Equipment ... 7
7.6 Periodic inspection ... 7
7.6.1 General ... 7
7.6.2 Inspections ... 7
7.7 Inspection of pressure-relief devices ... 8
7.7.1 General ... 8
7.7.2 Certificates and marking ... 8
7.7.3 Visual inspection ... 8
7.7.4 Performance test ... 8
7.7.5 Changing bursting discs (inner vessel) ... 9

8 Putting into service ... **9**

9 Filling ... **9**

10 Taking out of service ... **10**

11 Maintenance and repair ... **10**

12 Additional requirements for flammable gases ... **11**
12.1 General ... 11
12.2 Electrical equipment ... 11
12.3 Grounding (earthing) system ... 12
12.4 Installation ... 12
12.5 Filling ... 13
12.6 Maintenance, repair and taking out of service ... 13

13 Emergency equipment/procedures ... **13**

Annex A (informative) **Safety distances** ... **15**

Bibliography ... **16**