DIN EN ISO 11623:2018-01 (E)

Gas cylinders - Composite construction - Periodic inspection and testing (ISO 11623:2015, Corrected version 2017-02)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Due dates for periodic inspection and testing ... **9**

5 Procedures for periodic inspection and testing ... **9**
5.1 List of procedures ... 9
5.2 Heat exposure ... 9

6 Identification of cylinder and preparation for periodic inspection and testing ... **10**

7 External visual inspection ... **10**
7.1 Preparation ... 10
7.2 Inspection procedures ... 11
7.3 Damage ... 11
7.3.1 General ... 11
7.3.2 Identification label ... 11
7.3.3 Damage levels ... 11
7.3.4 Types of damage ... 13
7.4 Repairs ... 14

8 Internal visual inspection ... **15**
8.1 Safe removal of valve ... 15
8.2 Internal inspection and cleaning ... 15
8.2.1 General ... 15
8.2.2 Metallic liners ... 15
8.2.3 Linerless and non-metallic liners ... 15
8.3 Inspection of cylinder neck/shoulder ... 16

9 Pressure test ... **17**

10 Leak test ... **17**

11 Inspection of valve ... **17**

12 Final operations ... **17**
12.1 Drying and cleaning ... 17
12.2 Painting ... 17
12.3 Cylinder re-valving ... 18
12.4 Check on cylinder tare ... 18
12.5 Marking ... 18
12.6 Reference to next test date ... 18
12.7 Identification of contents ... 19
12.8 Records ... 19

13 Rejection and rendering cylinders unserviceable ... **19**

Annex A (normative) **Damage criteria for steel wire wound, aluminium-alloy cylinders** ... **27**

Annex B (normative) **Internal inspection of translucent cylinders** ... **28**

Annex C (informative) **Intervals between periodic inspection and testing** ... **29**

Bibliography ... **32**