

ISO 23088:2020-02 (E)

Gas cylinders - Periodic inspection and testing of welded steel pressure drums - Capacities up to 1 000 l

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Intervals between periodic inspections and tests	2
5	List of procedures for periodic inspection and test	2
6	Identification of pressure drum	3
7	Preparation for inspection and testing	3
7.1	General	3
7.2	Depressurization	3
7.3	Devalving and flange removal	3
8	External visual inspection	3
8.1	Preparation	3
8.2	Procedure	4
9	Internal visual inspection	4
10	Supplementary tests	4
11	Inspection of openings and fittings	4
11.1	Internal threads	4
11.2	Damaged internal threads	5
11.3	Flanged openings and retaining assemblies	5
11.4	Damaged flanged openings and/or retaining assemblies	5
12	Pressure test	6
12.1	General	6
12.2	Proof pressure test	6
12.3	Test procedures	6
12.3.1	Hydraulic test	6
12.3.2	Pneumatic test	7
12.4	Acceptance criteria	7
13	Repair of pressure drums	8
13.1	Welds	8
13.2	Other repairs	8
13.3	Requirements for repair	8
14	Inspection of valves	8
15	Final operations	8

15.1	Drying and cleaning	8
15.2	Painting	9
15.3	Fitting valves	9
15.4	Fitting of flanges	9
15.5	Verification of tare	9
15.6	Retest marking	9
15.7	Reference to the next test date	10
15.8	Records	10
16	Rejection and rendering unserviceable	10
Annex A (informative)	Periodic inspection and test periods	12
Annex B (normative)	Description, evaluation of defects and conditions for rejection of pressure drums at the time of visual inspection	13
Bibliography		19