

# DIN EN ISO 14245:2010-11 (E)

## Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing (ISO 14245:2006)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Design and specification .....	8
4.1	General .....	8
4.2	Materials .....	8
4.3	Essential components .....	9
4.4	Optional components .....	10
4.5	Leak tightness .....	11
5	Valve type test .....	11
5.1	General .....	11
5.2	Test procedure and test requirements .....	11
5.3	External and internal tightness tests (Tests nos. 2, 6, 8, 9, 10, 12, 14, 15, 16 and 17) .....	13
5.4	External and internal tightness test (Test no. 2) .....	14
5.5	Valve closure test (Test no. 3) .....	14
5.6	Operation test (Test no. 4) .....	15
5.7	Valve stem test (Test no. 5) .....	15
5.8	External and internal tightness test (Test no. 6) .....	16
5.9	Impact test (Test no. 7) .....	16
5.10	External and internal tightness test (Test no. 8) .....	16
5.11	External and internal tightness test (Test no. 9) .....	16
5.12	External and internal tightness test after ageing (Test no. 10) .....	17
5.13	Endurance test -- Part 1 (Test no. 11) .....	17
5.14	External and internal tightness test after endurance test -- Part 1 (Test no. 12) .....	17
5.15	Endurance test -- Part 2 (Test no. 13) .....	17
5.16	Tightness test at valve outlet seal after endurance test -- Part 2 (Test no. 14) .....	18
5.17	External and internal tightness test (Test no. 15) .....	18
5.18	External and internal tightness test -- High temperature (Test no. 16) .....	18
5.19	External and internal tightness test -- Low temperature (Test no. 17) .....	18
5.20	Simulated vacuum test (Test no. 18) .....	18
5.21	Examination of dismantled valves nos. 4, 5 and 6 (Test no. 19) .....	19
5.22	Acceptance criteria .....	19
6	Documentation/test report .....	19
6.1	Documentation .....	19
6.2	Test report .....	19
7	Markings .....	19
Annex A (normative)	Valve dimensions .....	20
Annex B (informative)	Production testing and inspection .....	21
Annex C (normative)	Special low temperature requirements for valves .....	22
Bibliography .....		23