

DIN EN ISO 15995:2010-11 (E)

Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated (ISO 15995:2006)

Contents		Page
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
4.6	Operating torque	11
4.7	Opening torque	12
4.8	Closing torque	12
5	Valve type test	12
5.1	General	12
5.2	Test procedure and test requirements	12
5.3	External and internal tightness tests (Test nos. 2, 5, 8, 11, 12, 13, 15, 16 and 17)	12
5.4	Hydraulic pressure test (Test no. 1)	14
5.5	External and internal tightness test (Test no. 2)	14
5.6	Valve closure test (Test no. 3)	15
5.7	Valve stem test (Test no. 4)	15
5.8	External and internal tightness test (Test no. 5)	15
5.9	Hand wheel fire exposure test (Test no. 6)	16
5.10	Impact test (Test no. 7)	16
5.11	External and internal tightness test (Test no. 8)	17
5.12	Resistance to excessive closing torque test (Test no. 9)	17
5.13	Resistance to excessive opening torque test (Test no. 10)	17
5.14	External tightness test (Test no. 11)	18
5.15	External and internal tightness test (Test no. 12)	18
5.16	External and internal tightness test after ageing (Test no. 13)	18
5.17	Endurance test (Test no. 14)	18
5.18	External and internal tightness test (Test no. 15)	19
5.19	External and internal tightness test -- High temperature (Test no. 16)	19
5.20	External and internal tightness test -- Low temperature (Test no. 17)	19
5.21	Examination of dismantled valves number 9 to 13 (Test number 18)	19
5.22	Acceptance criteria	19
6	Documentation/Test report	19
6.1	Documentation	19
6.2	Test report	20
7	Markings	20
Annex A (normative)	Valve dimensions	21

Annex B (normative) Valves for cylinders up to and including 7,5 litre water capacity	22
Annex C (informative) Production testing and inspection	24
Annex D (normative) Special low temperature requirements for valves	25
Bibliography	26