

# DIN EN ISO 15996:2008-04 (E)

## Gas cylinders - Residual pressure valves - General requirements and type testing (ISO 15996:2005+Amd 1:2007) (includes Amendment A1:2007)

---

<b>Contents</b>		<b>Page</b>
Introduction .....		4
1	Scope .....	5
2	Normative references .....	5
3	Terms and definitions .....	5
4	Valve requirements .....	6
4.1	General .....	6
4.2	Description .....	6
4.3	Valve outlet geometry .....	6
4.4	Performance requirements of the residual pressure device .....	7
4.4.1	Leakage tightness .....	7
4.4.2	Endurance .....	7
4.4.3	Resistance against reverse over pressure .....	7
4.4.4	Resistance to ignition .....	7
5	Type testing .....	7
5.1	General .....	7
5.2	Documents .....	8
5.3	Test valves .....	8
5.4	Residual pressure device performance tests .....	9
5.4.1	General .....	9
5.4.2	Leak tightness tests .....	9
5.4.3	Cycle life test .....	9
5.4.4	Resistance test against reverse over-pressure .....	9
5.4.5	Oxygen pressure surge test .....	9
5.5	Test report .....	10
Annex A (informative) Various examples of residual pressure valve designs .....		11
Annex B (informative) Test equipment .....		14
B.1	Tightness test equipment for residual pressure valve .....	14
B.2	Cycle life test equipment for residual pressure valve .....	15
Annex C (informative) Conveyance test .....		16
Annex D (informative) Integrity under high flow .....		17
Bibliography .....		19