

ISO 15996:2005-04 (E)

Gas cylinders - Residual pressure valves - General requirements and type testing

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Valve requirements	2
4.1	General	2
4.2	Description	2
4.3	Valve outlet geometry	2
4.4	Performance requirements of the residual pressure device	3
4.4.1	Leakage tightness	3
4.4.2	Endurance	3
4.4.3	Resistance against reverse over pressure	3
4.4.4	Resistance to ignition	3
5	Type testing	3
5.1	General	3
5.2	Documents	4
5.3	Test valves	4
5.4	Residual pressure device performance tests	5
5.4.1	General	5
5.4.2	Leak tightness tests	5
5.4.3	Cycle life test	5
5.4.4	Resistance test against reverse over-pressure	5
5.4.5	Oxygen pressure surge test	5
5.5	Test report	6
Annex A (informative) Various examples of residual pressure valve designs		7
Annex B (informative) Test equipment		10
B.1	Tightness test equipment for residual pressure valve	10
B.2	Cycle life test equipment for residual pressure valve	11
Annex C (informative) Conveyance test		12
Annex D (informative) Integrity under high flow		13
Bibliography		15