

ISO 11117:2019-11 (E)

Gas cylinders - Valve protection caps and guards - Design, construction and tests

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General requirements for valve protection cap and valve guard	2
4.1	Valve protection cap	2
4.2	Valve guard	5
4.3	Cylinder neck ring dimensions	6
5	Pictorial examples of valve protection devices	10
6	Materials	11
7	Type testing	11
7.1	General	11
7.2	Documentation	12
7.3	Test samples	12
7.4	Preliminary check	13
7.5	Torque test	13
7.6	Vertical pull test	13
7.7	Drop test	13
8	Marking	15
9	Test report	16
Bibliography		17