

ISO 16528-1:2007-08 (E)

Boilers and pressure vessels - Part 1: Performance requirements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Terms and definitions	1
3	Units of measurements	3
4	Classification of boilers and pressure vessels	3
5	Duties and responsibilities	4
5.1	General	4
5.2	Users and contracting parties	4
5.3	Manufacturers	4
5.4	Third-party inspectors	5
6	Failure mode	5
6.1	General	5
6.2	Common failure modes	5
6.3	Failure modes to be addressed	6
7	Technical requirements	6
7.1	General	6
7.2	Materials	7
7.3	Design	7
7.4	Manufacture	9
7.5	Inspection, non-destructive testing and examination	10
7.6	Final inspection and testing	11
7.7	Marking/labelling	11
8	Conformity assessment	11
Annex A (informative) Description of some common failure modes and limit states		13
Annex B (informative) Guidance on selection of standards		16