

ISO 4126-2:2003-01 (E)

Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices

Contents		Page
Foreword		vi
Introduction		vii
1	Scope	1
2	Normative references	1
3	Terms and definitions	3
4	Materials	5
4.1	Selection of materials	5
4.2	Material specifications	6
4.3	Protection from corrosion	6
5	Types of bursting discs	6
5.1	Conventional domed bursting discs (forward acting)	6
5.2	Reverse domed bursting discs (reverse acting)	7
5.3	Flat bursting discs	7
5.4	Other types and designs	9
6	Bursting disc holders	9
6.1	Design	9
6.2	Types	9
6.3	Connections	11
7	Back pressure supports	12
7.1	General	12
7.2	Opening back pressure supports	12
7.3	Non-opening back pressure supports	12
8	Temperature shields	12
9	Stiffening rings	12
10	Gaskets/seals	12
11	Assembly of bursting disc safety devices	12
11.1	General	12
11.2	Bursting disc safety devices with replaceable bursting disc assemblies	13
11.3	Bursting disc safety devices with non-replaceable bursting disc assemblies	13
12	Specified bursting pressure requirements	13
13	Inspection by the manufacturer	15
14	Test procedures	15
14.1	General	15
14.2	Pressure testing	15
14.3	Burst testing	15
14.4	Leak testing	17

14.5	Non-destructive examination	17
15	Certification	17
16	Product designation	18
17	Marking	18
17.1	General	18
17.2	Bursting discs/bursting disc assemblies	19
17.3	Bursting disc holders	19
17.4	Bursting disc safety devices with non-replaceable bursting disc assemblies	20
17.5	Ancillary components	20
17.6	Omission of markings	20
18	Preparation for storage and transportation	21
18.1	General	21
18.2	Marking of packages	21
18.3	Provision of assembly and installation instructions	21
18.4	Provision of documents, loose identification plates etc	21
	Annex A (normative) Materials	22
	Annex B (informative) Materials	24
	Bibliography	29