

ISO 4126-5:2013-07 (E)

Safety devices for protection against excessive pressure - Part 5: Controlled safety pressure relief systems (CSPRS)

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and units	7
5	Design	7
5.1	General	7
5.2	Valve end connections	9
5.3	Minimum requirements for springs	10
5.4	Materials	10
6	Production testing	10
6.1	Purpose	10
6.2	General	10
6.3	Hydrostatic testing	11
6.4	Pneumatic testing	11
6.5	Adjustment of set or cold differential test pressure	12
6.6	Seat leakage test	12
6.7	Pressure seals	12
7	Type testing	12
7.1	General	12
7.2	Tests to determine operating characteristics	14
7.3	Tests to determine flow characteristics	15
7.4	Determination of the coefficient of discharge	17
7.5	Certification of coefficient of discharge	17
7.6	Certification of CSPRS	17
8	Determination of CSPRS performance	17
9	Sizing of CSPRS	17
10	Marking and sealing	18
10.1	Marking	18
10.2	Sealing of a CSPRS	19
Bibliography		20