ISO 4126-9:2008-04 (E)

Safety devices for protection against excessive pressure - Part 9: Application and installation of sa fety devices excluding stand-alone bursting disc safety devices

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Risk consideration 3

5 Pressure limitation 4
5.1 General 4
5.2 Setting of safety devices 5

6 Inlet line 6

7 Outlet line 6

8 Installation 8
8.1 General 8
8.2 Installation of safety valves or the main valve of a CSPRS or a POSV 8
8.3 Installation of safety valves and bursting disc safety devices in series or parallel 9
8.4 Isolation of safety devices 10

9 Lifting device 11

Annex A (informative) Safety device applications 12

Annex B (informative) Sizing of multiple safety devices 15

Annex C (informative) Sizing of inlet lines 17

Annex D (informative) Calculation of built-up back pressure 22

Annex E (informative) Calculation of reaction forces 29

Annex F (informative) Calculation of noise level 30

Bibliography 31