



K Controls Ltd

2 Crown Way, Crown Business Centre
Horton Road, West Drayton, UB7 8HZ
United Kingdom
Tel: +44 (0)1895 449601
Fax: +44 (0)1895 448586
Fax: +44 (0)207 990 8111 Sales
Fax: +44 (0)207 990 8112 Purchasing and Production
Web: www.k-controls.co.uk
Blog: www.k-controls.info

Process Valve Networking Monitoring and Control



Application of the Pressure Equipment Directive (2014/68/EU)

K44 'Checktite' swing-check non-return valve.

The Pressure Equipment Directive (PED) defines the statutory requirements for qualifying valves dependent on a number of valve and application parameters i.e. valve size, applied pressure and media.

The quality assurance modules to be applied range from 'sound engineering practice' through to independent verification of design and manufacture by a Notified Body.

The Directive applies to valves above DN25 (1") and pressures above 0,5 bar.g (7p.s.i).

Liquids and gases are categorized into Group 1 and 2.

Group 1 comprises liquids and gases defined as:

- explosive
- extremely flammable
- highly flammable
- flammable (where the maximum allowable temperature is above flash point)
- very toxic
- oxidizing (causing corrosion to the pressure vessel)

Group 2 comprises all other liquids or gases not covered by group 1.

The Directive states that 'sound engineering practice' (SEP) can be applied to valves in the range DN32 to DN50 for the following:

Gases

- Group 2 up to 20 bar.g

Liquids

- Group 1 up to 40 bar.g
- Group 2 to current K44 limits.

(Please refer to the pressure temperature graph which can be found on K Controls web site.

www.k-controls.co.uk

CE marking is not permitted on SEP certified products.

Doc ref: K44-SEP-2

Approved