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BSI Standards Publication

Valves - Terminology

Part 1: Definition of types of valves

bsi.

National foreword

This British Standard is the UK implementation of EN 736-1:2018. It supersedes BS EN 736-1:1995, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PSE/18/1, Industrial valves, steam traps, actuators and safety devices against excessive pressure - Valves - Basic standards.

A list of organizations represented on this committee can be obtained on request to its secretary.

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European foreword

This document (EN 736-1:2018) has been prepared by Technical Committee CEN/TC 69 “Industrial valves”, the secretariat of which is held by AFNOR.

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Contents

Page

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1 Scope

This European Standard specifies the denominations of valves to provide a uniform and systematic terminology for all types of valves.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.1
valve
piping component which influences the fluid flow by opening, closing or partially obstructing the passage of the fluid flow or by diverting or mixing the fluid flow

4 Types of valves related to design

4.1 Basic types

4.1.1 General

By reasons of classification of terms, Clause 4 provides definitions related to basic design characteristics.

Table 1 shows the basic types of valves.

They are distinguished by:

a) the type of motion of the obturator;

b) the direction of flow towards the seating surface.

4.1.2 Gate valve

A gate valve is a valve in which the obturator movement is linear and, towards the seating surface, at right angle to the direction of flow.

4.1.3 Globe valve

A globe valve is a valve in which the obturator movement is linear and, towards the seating surface, in parallel to the direction of flow.

NOTE This definition also applies to lift check valves and axial check valves.

4.1.4 Plug and ball valve

A plug and ball valve is a valve in which the obturator rotates about an axis at right angle to the direction of flow and, in the open position, the flow passes through the obturator.