Valves - Terminology - Part 1: Definition of types of valves

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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NATIONAL FOREWORD

See Eesti standard EVS-EN 736-1:2018 sisaldab Euroopa standardi EN 736-1:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 736-1:2018 consists of the English text of the European standard EN 736-1:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 28.02.2018.	Date of Availability of the European standard is 28.02.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

Valves - Terminology - Part 1: Definition of types of valves

Appareils de robinetterie - Terminologie - Partie 1 : Définition des types d'appareils

Armaturen - Terminologie - Teil 1: Definition der Grundbauarten

This European Standard was approved by CEN on 17 December 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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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.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2018 and conflicting national standards shall be withdrawn at the latest by August 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 736-1:1995.

The main change to the previous version is the editorial revision of the standard.

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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.