

**Valves for water supply - Fitness for purpose
requirements and appropriate verification tests -
Part 2: Isolating valves**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1074-2:2000 sisaldab Euroopa standardi EN 1074-2:2000 ingliskeelset teksti.

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English version

Valves for water supply - Fitness for purpose requirements and
appropriate verification tests - Part 2: Isolating valves

Robinetterie pour l'alimentation en eau - Prescriptions
d'aptitude à l'emploi et vérifications s'y rapportant - Partie 2:
Robinetterie de sectionnement

Armaturen für die Wasserversorgung - Anforderungen an
die Gebrauchstauglichkeit und deren Prüfung - Teil 2:
Absperrarmaturen

This European Standard was approved by CEN on 26 November 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by October 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.

It consists of six parts:

Part 1: General requirements

Part 2: Isolating valves

Part 3: Check valves

Part 4: Air valves

Part 5: Control valves

Part 6: Hydrants.

Part 1, in conjunction with the subsequent parts, lays down the general requirements and test procedures to be carried out in production and during the assessment of conformity of these valves (type tests). The detailed requirements, which depend on the types of valves, are defined in parts 2 to 6 of this standard.

The annexes A, B, C and D of this European standard are normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

In respect of potential adverse effects on the quality of water intended for human consumption caused by the product covered by this standard :

- 1) this standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA;
- 2) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

1 Scope

This European Standard defines the minimum fitness for purpose requirements for isolating valves to be used in, or connected to, water supply pipe systems, above or below ground (see EN 805), carrying water intended for human consumption.

This standard specifies the design requirements, the performance requirements, and the conformity assessment method for isolating valves, whatever their type and materials.

This standard applies in priority to any other product or test standard: the requirements from other standards apply only when this standard refers to them.

This part of the standard deals with the requirements applicable to isolating valves up to DN 2000 and PFA 6 bar to PFA 25 bar.

2 Normative references

This European Standard incorporates, by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 736-1, *Valves - Terminology - Part 1: Definition of the types of valves.*

EN 736-3, *Valves - Terminology - Part 3: Definition of terms.*

EN 1074-1, *Valves for water supply - Fitness for purpose requirements and appropriate verification tests - Part 1: General requirements.*

EN 1267, *Valves - Test of flow resistance using water as test fluid.*

EN 805, *Water supply - Requirements for systems and components outside buildings.*

prEN 12570:1999, *Industrial Valves - Permissible manual forces for operation of valves.*

3 Definitions

For the purpose of this standard, the definitions of EN 1074-1 apply, together with the following definitions:

3.1 flow coefficient K_v : Coefficient equal to the flow rate, in cubic metres per hour, of water at a temperature between 5°C and 40°C, passing through the valve and causing a loss of static head of 1 bar (EN 736-3).

3.2 isolating valve: Valve intended for use only in the closed or fully open position (EN 736-1).