



National Standards Authority of Ireland

IRISH STANDARD

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91.140.60

**VALVES FOR WATER SUPPLY - FITNESS  
FOR PURPOSE REQUIREMENTS AND  
APPROPRIATE VERIFICATION TESTS -  
PART 1: GENERAL REQUIREMENTS**

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English version

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

Robinetterie pour alimentation en eau - Prescriptions  
d'aptitude à l'emploi et vérifications s'y rapportant - Partie 1:  
Prescriptions générales

Armaturen für die Wasserversorgung - Anforderung an die  
Gebrauchlichkeit und deren Prüfung - Teil 1: Allgemeine  
Anforderungen

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

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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  
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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of an identical text or by endorsement, at the latest by October 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.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, D and E 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 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 general design requirements, the performance requirements and the conformity assessment method for valves, whatever their type and materials.

This standard deals with the requirements that are common to several types of valves; it is applicable only when quoted as reference in one of the other parts of this standard.

## 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 558-1, *Industrial valves — Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems - Part 1: PN - designated valves.*

EN 681-1, *Elastomeric seals - Material requirements for pipe joint seals used in water and drainage applications - Part 1: Vulcanised rubber.*

EN 736-2, *Valves - Terminology - Part 2: Definition of components of valves.*

EN 1092-2, *Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 2: Cast iron flanges.*

EN 1333, *Pipework components - Definition and selection of PN.*

EN 12627, *Industrial valves - Butt welding ends for steel valves.*

EN 12982, *Industrial valves – End-to-end and centre-to-end dimensions for butt welding end valves.*

EN 45012, *General requirements for bodies operating assessment and certification/registration of quality systems (ISO/IEC Guide 62:1996).*

EN 60529, *Degrees of protection afforded by the shells (IP code).*

prEN 19:1999, *Industrial valves – Marking.*

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

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