

---

# French standard

**NF EN 1171**  
30 October 2015

Classification index: E 29-332

---

**ICS: 23.060.30**

## Industrial valves — Cast iron gate valves

F : Robinetterie industrielle — Robinets-vannes en fonte  
D : Industriearmaturen — Schieber aus Gusseisen

---

### **French standard approved**

by decision of the Director General of AFNOR.

Replaces the approved standard NF EN 1171 of February 2003.

---

### **Correspondence**

The European standard EN 1171:2015 has the status of French standard.

---

### **Summary**

This document specifies the requirements for cast iron gate valves with flanged ends, socket ends or spigot ends mainly for industrial and general-purpose applications.

It provides requirements for the design, the mechanical strength of the casing, the sealing of the seat, the sizing of the actuating device and the resistance torque. It specifies the test procedures for cast iron gate valves, the marking and the designation.

This document is intended to support the main requirements of the "PED" Directive 97/23/EC.

---

### **Descriptors**

**Technical International Thesaurus:** industrial valves, gate valves, flanged valves, cast iron products, design, dimensions, dimensional tolerances, performance evaluation, tests, designation, marking.

---

### **Modifications**

With respect to the replaced document:

- normative references have been updated;
  - paragraphs on materials (4.1.1, 4.1.2.1 and 4.1.2.3) have been revised to give a presumption of conformity with Directive 97/23/EC (PED);
  - paragraph 4.2.1 on the strength of the casing has been made coherent with NF EN 12516.
- 

### **Corrections**

---

---

## Standards

---

**Standards** are designed to serve as a basis in relations between economic, scientific, technical and social partners.

By nature, application of a standard is voluntary. When stipulated in a contract, it is binding on the parties. Legislation may require all or part of a standard to become compulsory.

**The standard is a document defined by consensus** within a standardisation body involving representatives of all stakeholders. It is submitted for public consultation prior to adoption.

The standard is regularly reviewed to assess its appropriateness over time.

Any standard is considered to be effective as from the date presented on the first page.

---

## Understanding standards

---

The reader's attention is drawn to the following points:

Only the verbal form **shall** is used to express one or more requirements that shall be satisfied in order to comply with this document. Such requirements may be contained in the body of the standard or in a so-called "normative" annex. For test methods, the use of the imperative corresponds to a requirement.

Expressions involving the verbal form **should** are used to express a possibility that, while preferred, is not actually necessary in order to comply with this document. The verbal form **may** is used to express practical, but not mandatory advice or suggestions, or permission.

Furthermore, this document may provide additional information aimed at making certain elements easier to understand or use, or at clarifying how such elements are applied, but without actually defining a requirement. These elements are presented as **notes or informative annexes**.

---

## Standardisation commission

---

Acting within a given field of activity, a standardisation commission features the necessary expertise for preparing French standards and defining France's positions in European and international draft standards. The commission may also prepare experimental standards and technical reports.

**If you would like to provide feedback on this document, make suggested changes or take part in the document's revision, write to "norminfo@afnor.org".**

---

EUROPEAN STANDARD

**EN 1171**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 23.060.30

Supersedes EN 1171:2002

English Version

## Industrial valves - Cast iron gate valves

Robinetterie industrielle - Robinets-vannes en fonte

Industriearmaturen - Schieber aus Gusseisen

This European Standard was approved by CEN on 1 August 2015.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**