

**Water supply - Requirements for  
systems and components for the  
storage of water**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1508:2001 sisaldab Euroopa standardi EN 1508:1998 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1508:2001 consists of the English text of the European standard EN 1508:1998.</p> <p>This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This standard specifies and gives guidance on: - general requirements for storage of water outside consumers' buildings, including service reservoirs for potable water and reservoirs containing water not for human consumption at intake works or within treatment works, excluding those that are part of the treatment process; - design; - general requirements for product standards;- requirements for checks, testing and commissioning; - operational requirements; - requirements for rehabilitation and repair;The requirements of this standard are applicable to: - the design and construction of new reservoirs;- the extension and modification of existing reservoirs; - significant rehabilitation of existing reservoirs.is.</p>	<p><b>Scope:</b> This standard specifies and gives guidance on: - general requirements for storage of water outside consumers' buildings, including service reservoirs for potable water and reservoirs containing water not for human consumption at intake works or within treatment works, excluding those that are part of the treatment process; - design; - general requirements for product standards;- requirements for checks, testing and commissioning; - operational requirements; - requirements for rehabilitation and repair;The requirements of this standard are applicable to: - the design and construction of new reservoirs;- the extension and modification of existing reservoirs; - significant rehabilitation of existing reservoirs.is.</p>
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**ICS** 13.060.20

**Võtmesõnad:** buildings, design, exterior, inspection, leaktightness, operating requirements, repairs, safety, specifications, storage, storage tanks, tests, water distribution, water supply

ICS 13.060.01; 13 060.20

Descriptors: Water supply, storage, testing.

**English version**

Water supply  
**Requirements for systems and components for the  
storage of water**

Alimentation en eau – Prescriptions  
pour les systèmes et les composants  
pour le stockage de l'eau

Wasserversorgung – Anforderungen  
an Systeme und Bestandteile der  
Wasserspeicherung

This European Standard was approved by CEN on 1998-07-24.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 164 "Water supply", 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 March 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

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 specifying the requirements of this standard, due regard has been taken of the importance of a reliable and safe supply of water for human consumption as well as for the purpose of trade, industry, agriculture and fire fighting.

The widely varying water supply legislative requirements, populations, social and climatic conditions across Europe have also been taken into account.

## 1 Scope

This standard specifies and gives guidance on :

- general requirements for storage of water outside consumers' buildings, including service reservoirs for potable water and reservoirs containing water not for human consumption at intake works or within treatment works, excluding those that are part of the treatment process ;
- design ;
- general requirements for product standards ;
- requirements for checks, testing and commissioning ;
- operational requirements ;
- requirements for rehabilitation and repair.

The requirements of this standard are applicable to :

- the design and construction of new reservoirs ;
- the extension and modification of existing reservoirs ;
- significant rehabilitation of existing reservoirs.

NOTE 1: It is not intended that existing reservoirs are to be altered to comply with this standard, provided that there are no significant detrimental effects on water quality.

NOTE 2: This standard does not apply to reservoirs formed by the building of dams or the use of lakes for water storage purposes.

## 2 Normative references

This European Standard incorporates by dated or undated reference, 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.

prEN 805:1996 Water supply - Requirements for systems and components outside buildings

## 3 Definitions

For the purposes of this standard, the following definitions apply :

### 3.1 capacity

The total volume of the compartment(s) which can be used for the operation of a reservoir.

### 3.2 compartment

Self-contained part of a reservoir which has separate inlet, outlet, overflow and washout arrangements, and can be operated independently from other compartments of the same reservoir (see figures 1 and 2).

### 3.3 control building

Self-contained part of a reservoir used to accommodate the main valves, pumps, controls and monitoring equipment and which can provide the means of access to the water compartment(s).

### 3.4 designer

The person responsible for establishing, with the purchaser or water company, the basic criteria to be used for the design, construction, commissioning and operation of the reservoir.

### 3.5 elevated reservoir

A reservoir constructed with the compartment(s) at ground level, but at an elevation sufficient to provide water by gravity to the supply area.