

## **Sambakujulised tuletõrjehüdrandid**

Pillar fire hydrants

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14384:2005 sisaldab Euroopa standardi EN 14384:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.09.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14384:2005 consists of the English text of the European standard EN 14384:2005.</p> <p>This document is endorsed on 29.09.2005 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></p> <p>This European Standard specifies the minimum requirements, test methods, marking and evaluation of conformity for pillar hydrants for fire fighting purposes: - to be installed in a water distribution system; - sizes DN 80, DN 100 and DN 150; - suitable for an allowable operating pressure, PFA, of PN 16 with or without drain facility; - having vertical or horizontal, flanged, socket or spigot inlet; - with one or two outlets and having outlets to national requirements; - globe (screw down) or gate valve type.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies the minimum requirements, test methods, marking and evaluation of conformity for pillar hydrants for fire fighting purposes: - to be installed in a water distribution system; - sizes DN 80, DN 100 and DN 150; - suitable for an allowable operating pressure, PFA, of PN 16 with or without drain facility; - having vertical or horizontal, flanged, socket or spigot inlet; - with one or two outlets and having outlets to national requirements; - globe (screw down) or gate valve type.</p>
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**ICS** 13.220.10

**Võtmesõnad:** fire equipment, hydrants, inspection, marking, materials, minimum, onfloor hydrant, overhead, production control, specification (approval), specifications, supply, testing, types, valves, water for fire fighting, water practice, water supply

ICS 13.220.10

English version

## Pillar fire hydrants

Poteaux d'incendie

Überflurhydranten

This European Standard was approved by CEN on 20 June 2005.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This European Standard (EN 14384:2005) has been prepared by Technical Committee CEN/TC 192 "Fire service equipment", the secretariat of which is held by BSI, in cooperation with CEN/TC 164 "Water supply" and CEN/TC 69 "Industrial Valves".

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 January 2006, and conflicting national standards shall be withdrawn at the latest by January 2006.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

This is one of a series of standards for fire hydrants.

This is the first edition of this European Standard.

No International Standard exists for pillar fire hydrants.

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

## Introduction

The purpose of a fire hydrant installation is to provide a connection (i.e. hydrant) to the water main to which the firefighter can connect firefighting equipment. Pillar fire hydrants consist of one or more valves and connection outlets in a column shape, which emerges from below ground level, intended primarily to supply water for firefighting and also may be used by water utilities (as defined in 3.3).

This European Standard is in conformity with the general requirements already established by CEN/TC 164 in the field of water supply.

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

- 1) this European 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 specifies the minimum requirements, test methods, marking and evaluation of conformity for pillar hydrants for fire fighting purposes:

- to be installed in a water distribution system;
- sizes DN 80, DN 100 and DN 150;
- suitable for an allowable operating pressure, PFA, of PN 16 with or without drain facility;
- having vertical or horizontal, flanged, socket or spigot inlet;
- with one or two outlets and having outlets to national requirements;
- globe (screw down) or gate valve type.

This European Standard also provides for the evaluation of conformity of the pillar fire hydrants to the requirements of this European Standard.

This European Standard applies to fire hydrants for potable and non potable water and for filtered water. Additional requirements may apply for other liquids.

Couplings connected to outlets are outside the scope of this European Standard and should conform to national requirements.

## 2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 1074-1:2000, *Valves for water supply — Fitness for purpose requirements and appropriate verification tests — Part 1: General requirements*

EN 1074-2:2000, *Valves for water supply — Fitness for purpose requirements and appropriate verification tests — Part 2: Isolating valves*

EN 1074-6:2004, *Valves for water supply — Fitness for purpose requirements and appropriate verification tests — Part 6: Hydrants*

EN 1092-1, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 1: Steel flanges*

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

EN 1503-1, *Valves — Materials for bodies, bonnets and covers — Part 1: Steels specified in European Standards*

EN 1503-3, *Valves — Materials for bodies, bonnets and covers — Part 3: Cast irons specified in European Standards*

EN ISO 9001:2000, *Quality management systems — Requirements (ISO 9001:2000)*