

	Water supply Requirements for systems and components outside buildings English version of DIN EN 805	DIN EN 805
ICS 13.060.01; 23.040.01 Wasserversorgung – Anforderungen an Wasserversorgungssysteme und deren Bauteile außerhalb von Gebäuden	Supersedes DIN 4279-1, November 1975 edition, DIN 19630, August 1982 edition, and parts of DIN 4279-3, June 1990 edition, DIN 4279-2, DIN 4279-4, DIN 4279-5, DIN 4279-6 and DIN 4279-9, November 1975 editions, DIN V 4279-7, December 1994 edition, and DIN 4279-10, November 1977 edition. European Standard EN 805 : 2000 has the status of a DIN Standard. <i>A comma is used as the decimal marker.</i> This standard has been included in the body of Codes of practice for gas issued by the <i>DVGW Deutscher Verein des Gas- und Wasserfaches e.V.</i> (German Association of Gas and Water Engineers). National foreword This standard has been prepared by CEN/TC 164. The responsible German body involved in its preparation was the <i>Normenausschuss Wasserwesen</i> (Water Practice Standards Committee), Technical Committee <i>Rohrleitungsbau</i>. DIN 53519-1 and DIN 53519-2 are the standards corresponding to International Standard ISO 48 referred to in clause 2 of the EN. Amendments DIN 4279-1, November 1975 edition, DIN 19630, August 1982 edition, and parts of DIN 4279-3, June 1990 edition, DIN 4279-2, DIN 4279-4, DIN 4279-5, DIN 4279-6 and DIN 4279-9, November 1975 editions, DIN V 4279-7, December 1994 edition, and DIN 4279-10, November 1977 edition, have been superseded by the specifications of EN 805. Previous editions DIN 4037: 1939-05; DIN 4279: 1954-11; DIN 4279-1: 1975-11; DIN 4279-2: 1975-11; DIN 4279-3: 1975-11, 1990-06; DIN 4279-4: 1975-11; DIN 4279-5: 1975-11; DIN 4279-6: 1975-11; DIN 4279-7: 1975-11; DIN V 4279-7: 1994-12; DIN 4279-8: 1975-11; DIN 4279-9: 1975-11; DIN 4279-10: 1977-11; DIN 19630: 1959-03, 1968-12, 1970-08, 1982-02, 1982-08; DIN 19801: 1956-12. National Annex NA Standards referred to (and not included in Normative references and Annex C) DIN 53519-1 Determination of indentation hardness (IRHD) of soft rubber using standard specimens DIN 53519-2 Determination of indentation hardness (IRHD) of soft rubber using small specimens EN comprises 61 pages.	

English version

Water supply

Requirements for systems and components outside buildings

Alimentation en eau – Exigences pour
les réseaux extérieurs aux bâtiments
et leurs composants

Wasserversorgung – Anforderungen
an Wasserversorgungssysteme und
deren Bauteile außerhalb von
Gebäuden

This European Standard was approved by CEN on 1999-06-07.

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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.

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CEN

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 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 July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

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.

This standard does not make any implication with regard to ownership of or responsibility for pipes or other apparatus in the supply system.

1 Scope

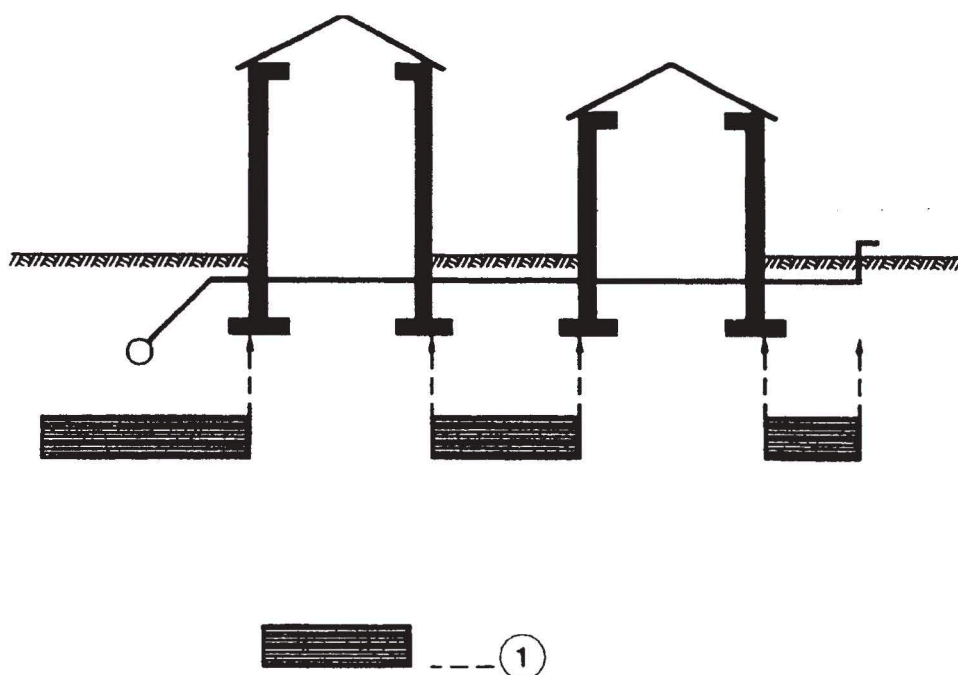
This standard specifies :

- general requirements for water supply systems outside buildings (see Figure 1) including potable water mains and service pipes, service reservoirs, other facilities and raw water mains but excluding treatment works and water resources development ;
- general requirements for components ;
- general requirements for inclusion in product standards which may include specifications which are more stringent ;
- requirements for installation, site testing and commissioning.

The requirements of this standard apply to :

- the design and construction of new water supply systems ;
- the extension of significant areas forming a coherent part of an existing water supply system ;
- significant modification and/or rehabilitation of existing water supply systems.

NOTE It is not intended that existing water supply systems are to be altered to comply with this standard, provided that there are no significant detrimental effects on water quantity, security, reliability and adequacy of the supply.



Key

- 1 Field of application of this standard

Figure 1 - Field of application of this standard

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 the European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1295-1, *Structural design of buried pipelines under various conditions of loading – Part 1 : General requirements.*

EN 1508, *Water supply - Requirements for systems and components for the storage of water.*

EN 45011, *General criteria for certification bodies operating product certification.*

EN 45012, *General criteria for certification bodies operating quality system certification.*

ISO 48, *Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD).*

EN ISO 9001, *Quality systems - Model for quality assurance in design/development, production, installation and servicing.*

EN ISO 9002, *Quality systems - Model for quality assurance in production, installation and servicing.*

3 Definitions

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

3.1 Pressures

For the designation of pressures in English, French and German see table 1 and annex A.2.