

Plastic piping systems for water supply — Polyethylene (PE) —

Part 4: Valves

The European Standard EN 12201-4:2001 has the status of a
British Standard

ICS 23.060.01

National foreword

This British Standard is the official English language version of EN 12201-4:2001.

The UK participation in its preparation was entrusted by Technical Committee PRI/88, Plastic piping systems, to Subcommittee PRI/88/2, Pressure for plastic piping systems, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 26 September 2002

Summary of pages

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English version

Plastics piping systems for water supply - Polyethylene (PE) - Part 4: Valves

Systèmes de canalisations en plastique pour l'alimentation
en eau - Poléthylène (PE) - Partie 4: Robinets

Kunststoff-Rohrleitungssysteme für die Wasserversorgung
- Polyethylen (PE) - Teil 4: Armaturen

This European Standard was approved by CEN on 19 January 2001.

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 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 Management Centre has the same status as the official versions.

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Foreword

This European Standard has been prepared by Technical Committee CEN /TC 155, "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

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 June 2002, and conflicting national standards shall be withdrawn at the latest by December 2003.

This standard is a Part of a System Standard for plastics piping systems of a particular material for a specified application. There are a number of such System Standards.

System Standards are based on the results of the work being undertaken in ISO/TC 138 "*Plastics pipes, fittings and valves for the transport of fluids*", which is a Technical Committee of the International Organization for Standardization (ISO).

They are supported by separate standards on test methods to which references are made throughout the System Standard.

The System Standards are consistent with standards on general functional requirements and standards on recommended practice for installation.

prEN 12201 consists of the following Parts, under the general title *Plastics piping systems for water supply — Polyethylene (PE)*:

- Part 1: General
- Part 2: Pipes
- Part 3: Fittings
- Part 4: Valves (this standard)
- Part 5: Fitness for purpose of the system
- Part 7: Guidance for the assessment of conformity (to be published as an ENV)

NOTE It was decided not to publish a Part 6: Recommended practice for installation. Instead, existing national practices would be applicable.

This Part of EN 12201 includes the following:

- Bibliography

System Standards for piping systems of other plastics materials used for the conveyance of water under pressure include the following:

- EN 1452, Plastics piping systems for water supply — Unplasticized poly(vinyl chloride) (PVC-U)
- prEN 1796, Plastics piping systems for water supply with or without pressure — Glass-reinforced thermoplastics (GRP) based on polyester resin (UP)

For components which have conformed to the relevant national standard before December 2001, as shown by the manufacturer or by a certification body, the national standard may continue to be applied until December 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The System Standard, of which this is Part 4, specifies the requirements of a piping system and its components made from polyethylene (PE). It is intended to be used for water supply intended for human consumption, including the conveyance of raw water prior to treatment.

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

- a) 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;
- b) 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.

Requirements and test methods for material and components, other than valves, are specified in prEN 12201-1, prEN 12201-2 and prEN 12201-3. Characteristics for fitness of purpose are covered in prEN 12201-5 and prEN 12201-7 gives guidance for the assessment of conformity.

This Part of prEN 12201 covers the characteristics of valves.