

**Cevni sistemi iz polimernih materialov za oskrbo s plinastimi gorivi -
Polietilen (PE) - 4. del: Ventili**

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

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 1555-4:2003](https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003)

<https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003>

ICS 23.040.01

Referenčna številka
PSIST prEN 1555-4:1999(en)

ICS 23.040.01

English version

Plastics piping systems for the supply of gaseous fuels -
Polyethylene (PE) - Part 4: Valves

Systèmes de canalisations en plastique pour la distribution
de combustibles gazeux - Polyéthylène (PE) - Partie 4:
Robinets

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

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 155.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

[SIST EN 1555-4:2003](https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003)

<https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003>



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

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

Contents

	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Definitions, symbols and abbreviations	6
4 Material	7
4.1 PE compound	7
4.2 Material for non-polyethylene parts	8
5 General characteristics	9
5.1 Technical file.....	9
5.2 Appearance	9
5.3 Colour	9
5.4 Design	9
6 Geometrical characteristics	10
6.1 General.....	10
6.2 Measurement of dimensions	10
6.3 Wall thickness of the PE valve body	10
6.4 Dimensions of spigot ends for valves	10
6.5 Dimensions of valves with electrofusion sockets	10
6.6 Dimensions of the operating cap.....	10
7 Mechanical characteristics of assembled valves	11
7.1 General.....	11
7.2 Requirements	11
8 Physical characteristics	14
8.1 Conditioning.....	14
8.2 Requirements	14
9 Performance requirements	15
10 Marking	15
10.1 General.....	15
10.2 Minimum required marking	15
10.3 Additional marking	16
11 Delivery conditions	16
Bibliography	17

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 NNI. It has been prepared in liaison with CEN/TC 234 "Gas supply" and with CEN/TC 69 "Industrial valves".

This document is currently submitted to the Formal Vote.

The present 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 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 general standards on functional requirements and on recommended practice for installation.

prEN 1555 consists of the following Parts, under the general title Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE)

– Part 1: *General*

– Part 2: *Pipes*

– Part 3: *Fittings*

– Part 4: *Valves (the present standard)*

– Part 5: *Fitness for purpose of the system*

– Part 7: *Guidance for assessment of conformity.*

NOTE It was decided that the document dealing with recommended practice for installation which was initially submitted for CEN enquiry as prEN 1555-6 will be withdrawn as soon as CEN/TC 234 « Gas supply » publishes the EN 12007-2, with the title "Gas supply systems - Pipelines for maximum operating pressure up to and including 16 bar - Part 2: Specific functional recommendations for polyethylene (MOP up to and including 10 bar)".

Introduction

The System Standard, of which this is Part 4, specifies the requirements for a piping system and its components made from polyethylene (PE) and which is intended to be used for the supply of gaseous fuels.

Requirements and test methods for material and components, other than valves, are specified in Part 1, Part 2, and Part 3 of prEN 1555. Characteristics for fitness for purpose are covered in Part 5. Part 7 covers guidance for assessment of conformity. Recommended practice for installation is given in prEN 1555-6:1995 (this draft European Standard will be published by CEN/TC 234 as EN 12007-2).

This Part of prEN 1555 covers the characteristics of valves.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 1555-4:2003](https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003)

<https://standards.iteh.ai/catalog/standards/sist/b5578538-3840-4e44-8f0d-e55131e89390/sist-en-1555-4-2003>