SLOVENSKI STANDARD
oSIST prEN 1705:2024

01-maj-2024

Cevni sistemi iz polimernih materialov - Plastomerni ventili - Metoda za preskus neoporečnosti ventila po zunanjem udarcu

Plastics piping systems - Thermoplastics valves - Test method for the integrity of a valve after an external blow

Kunststoff-Rohrleitungssysteme - Thermoplast-Armaturen - Prüfverfahren der Unversehrtheit einer Armatur nach äußerer Schlagbelastung

Systèmes de canalisations en plastique - Robinets en thermoplastiques - Méthode d'essai pour la vérification d'un robinet après un choc externe

Ta slovenski standard je istoveten z: **prEN 1705**

ICS:

23.060.01	Ventili na splošno	Valves in general
83.140.40	Gumene cevi	Hoses

oSIST prEN 1705:2024 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 1705

March 2024

ICS 23.060.01

Will supersede EN 1705:1996

English Version

Plastics piping systems - Thermoplastics valves - Test method for the integrity of a valve after an external blow

Systèmes de canalisations en plastique - Robinets en thermoplastiques - Méthode d'essai pour la vérification d'un robinet après un choc externe

Kunststoff-Rohrleitungs system - Thermoplast-Armaturen - Prüfverfahren der Unversehrtheit einer Armatur nach äußerer Schlagbelastung

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 1705:2024) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 1705:1996.

prEN 1705:2024 includes the following significant technical changes with respect to EN 1705:1996:

— added in the scope the reference to thermoplastic materials

— added the Clause 3 Terms and definitions

— clarifications were introduced for Clause 4 Principle by adding the high-risk impact positions

— subclauses on “Sampling”, “Preparation of test pieces”, “Number of test pieces” were added under clause “Test piece”

— Clause 7 “Procedure” was revised and operations to be carried out in the tests have been specified

1 Scope

This document specifies a test method for determining the leaktightness and the ease of operation of a valve made of thermoplastic material following an impact applied to the operating device.

Additionally, a different procedure of the test on diaphragm valve can be specified by the valve manufacturer.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

<std>EN ISO 3127, *Thermoplastics pipes - Determination of resistance to external blows - Round-the-clock method (ISO 3127)*</std>

<std>EN ISO 1167-1:2006, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure - Part 1: General method (ISO 1167-1:2006)*</std>

<std>FprEN ISO 8233, *Thermoplastics valves - Torque - Test method (ISO/DIS 8233)*</std>

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org

3.1
operating device
part of a valve for connection with the operating key which allows the opening and the closing of the valve

[SOURCE: EN 1555-4]

3.2
obturator
movable component of the valve whose position in the fluid flow path permits, restricts or obstructs the fluid flow

[SOURCE: EN 736-2]

3.3
body
main component of the valve which provides the fluid flow passageways

[SOURCE: EN 736-2 modified – deleted “and body ends”]

3.4
valve end
part of the valve provided with the means of connection to the piping component