

STN	<p>Potrubné systémy z plastov Ventily na potrubné systémy z polyetylénu (PE) Skúšobná metóda tesnosti počas pôsobenia ohybového momentu na ovládací mechanizmus a po ňom</p>	<p>STN EN 1680</p>
		64 0360

Plastics piping systems - Valves for polyethylene (PE) piping systems - Test method for leaktightness under and after bending applied to the operating mechanisms

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/25

Obsahuje: EN 1680:2025

Oznámením tejto normy sa ruší
STN EN 1680 (64 0360) zo septembra 2001

140436

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1680

March 2025

ICS 23.060.01

Supersedes EN 1680:1997

English Version

Plastics piping systems - Valves for polyethylene (PE)
piping systems - Test method for leaktightness under and
after bending applied to the operating mechanisms

Systèmes de canalisations en plastique - Robinets pour
les systèmes de canalisations en polyéthylène (PE) -
Méthode d'essai d'étanchéité sous et après une flexion
appliquée au mécanisme d'entraînement

Kunststoff-Rohrleitungssysteme - Armaturen für
Rohrleitungssysteme aus Polyethylen (PE) -
Prüfverfahren für die Dichtheit während und nach der
Aufbringung eines Biegemoments auf das
Betätigungsorgan

This European Standard was approved by CEN on 27 January 2025.

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

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European foreword

This document (EN 1680:2025) 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of an identical text or by endorsement, at the latest by September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1680:1997.

EN 1680:2025 includes the following significant technical changes with respect to EN 1680:1997:

- the title and scope of application have been extended to include use in pipework systems for the transport of liquids;
- Clause 2 "Normative references" have been updated to the use in the clauses of the text;
- Clause 3 "Terms and definitions" added and numbering of the following sections adapted accordingly;
- Clause 4 "Brief description" has been adapted in accordance with the amended scope;
- Clause 5 "Apparatus" has been adapted in accordance with the test frame used;
- updated the specification of the test group under consideration in 6.2 "Preparation of test assemblies";
- in Clause 7 "Procedure" has been added Table 1 — "Test procedure" with the list of the corresponding steps to be done;
- 7.2 "Application of the bending force" has been added.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

EN 1680:2025 (E)**1 Scope**

This document specifies a test method for PE valves to maintain tightness during and after being subjected to a force, applied as a bending moment to the operating mechanism.

Valves according to these standards are intended for use in polyethylene (PE) piping systems for the transport of fluids.

When specified in the product standard, this document can be applied to valves of material other than PE.

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.

EN 837-1, *Pressure gauges — Part 1: Bourdon tube pressure gauges — Dimensions, metrology, requirements and testing*

EN 1555-2, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 2: Pipes*

EN 12201-2, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 2: Pipes*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN