ICS 75.200 SLOVENSKÁ TECHNICKÁ NORMA Február 2026

STN	**Zariadenia na ochranu proti preplneniu stabilných nádrží na kvapalné palivá Časť 1: Zariadenia na ochranu proti preplneniu s uzatváracím zariadením**	**STN EN 13616-1** 69 8383

Overfill prevention devices for static tanks for liquid fuels - Part 1: Overfill prevention devices with closure device

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. 01/26

Obsahuje: EN 13616-1:2025

Oznámením tejto normy sa ruší
STN EN 13616-1 (69 8383) z januára 2018

141914

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13616-1

August 2025

ICS 75.200 Supersedes EN 13616-1:2016

English Version

Overfill prevention devices for static tanks for liquid fuels - Part 1: Overfill prevention devices with closure device

Dispositifs limiteurs de remplissage pour réservoirs statiques pour carburants liquides - Partie 1 : Dispositifs limiteurs de remplissage avec dispositif de fermeture

Überfüllsicherungen für ortsfeste Tanks für flüssige Brenn- und Kraftstoffe - Teil 1: Überfüllsicherungen mit Schließeinrichtung

This European Standard was approved by CEN on 13 July 2025.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN 13616-1:2025 E

Contents

Page

European foreword

This document (EN 13616-1:2025) has been prepared by Technical Committee CEN/TC 393 “Equipment for storage tanks and for service stations”, the secretariat of which is held by DIN.

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 February 2026, and conflicting national standards shall be withdrawn at the latest by February 2026.

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

This document supersedes EN 13616-1:2016.

EN 13616-1:2025 includes the following significant technical changes with respect to EN 13616-1:2016:

a) Clause 2: Normative references were updated;

b) 3.2: The term “initial closure level” was replaced by “initial closure level for two stages closure device only”;

c) 3.3: The term “final closure level” was replaced by “final closure level for single or two stages closure final device”;

d) 3.9: New definition was added;

e) 4.2.1 and 4.2.3: Tolerance of ±5 % was added;

f) 5.2: Chemical suitability test was updated;

g) 5.3: Temperature range for final closure simulation was deleted;

h) New subclause 5.5: Subclause relating to pressure surge test was removed from previous subclause on function test (5.6);

i) New Clause 6: Only FPC (Factory Production Control) aspects were kept according to previous Clause 6 “AVCP”;

j) Figure B.1: Key was updated;

k) Table C.1: Maximum flow rate values were updated;

l) Annex ZA “Construction products Regulation - CPR” was deleted due to the fact that revision is not candidate to the harmonization to CPR (but only to ATEX Directive).

An environmental check-list is indicated in the informative Annex D.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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.

1 Scope

This document specifies requirements, test and assessment methods, marking, labelling and packaging applicable to overfill prevention devices with closure device. The devices are usually composed by:

— sensor;

— evaluation device;

— closure device.

Overfill prevention devices intended to be used in/with underground and/or above ground, non-pressurized, static tanks designed for liquid fuels.

NOTE Liquid fuel means liquids for internal combustion engines, heating/cooling boilers and generators.

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 228:2012+A1:2017, *Automotive fuels — Unleaded petrol — Requirements and test methods*

EN 590:2022, *Automotive fuels — Diesel — Requirements and test methods*

EN 1127-1:2019, *Explosive atmospheres — Explosion prevention and protection — Part 1: Basic concepts and methodology*

EN 14214:2012+A2:2019, *Liquid petroleum products — Fatty acid methyl esters (FAME) for use in diesel engines and heating applications — Requirements and test methods*

CEN/TR 15993:2018, *Automotive fuels — Ethanol (E85) automotive fuel — Background to the parameters required and their respective limits and determination*

EN ISO 22854:2021, *Liquid petroleum products — Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel — Multidimensional gas chromatography method (ISO 22854:2021)*

EN 60079-14:2014,[1] *Explosive atmospheres — Part 14: Electrical installations design, selection and erection (IEC 60079-14:2013)*

EN ISO 80079-36:2016, *Explosive atmospheres — Part 36: Non-electrical equipment for explosive atmospheres — Basic method and requirements (ISO 80079-36:2016)*

EN ISO 80079-37:2016, *Explosive atmospheres — Part 37: Non-electrical equipment for explosive atmospheres — Non-electrical type of protection constructional safety ''c'', control of ignition sources ''b'', liquid immersion ''k'' (ISO 80079-37:2016)*

[1] As impacted by EN 60079-14:2014/AC:2016.