

SLOVENSKI STANDARD

SIST EN 13616-2:2016+A1:2025

01-december-2025

Nadomešča:
SIST EN 13616-2:2016

Naprave za preprečitev prepolnitve za nepremične rezervoarje za tekoča goriva - 2. del: Naprave za preprečitev prepolnitve brez zaporne naprave (vključno z dopolnilom A1)

Overfill prevention devices for static tanks for liquid fuels - Part 2: Overfill prevention devices without a closure device

Überfüllsicherungen für ortsfeste Tanks für flüssige Brenn- und Kraftstoffe - Teil 2: Überfüllsicherungen ohne Schließeinrichtung

Dispositifs limiteurs de remplissage pour réservoirs statiques pour carburants liquides - Partie 2: Dispositifs limiteurs de remplissage sans dispositif de fermeture

SIST EN 13616-2:2016+A1:2025

Ta slovenski standard je istoveten z: **EN 13616-2:2016+A1:2025**

ICS:

23.020.10	Nepremične posode in rezervoarji	Stationary containers and tanks
75.200	Oprema za skladiščenje nafte, naftnih proizvodov in zemeljskega plina	Petroleum products and natural gas handling equipment

SIST EN 13616-2:2016+A1:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13616-2:2016+A1

September 2025

ICS 23.020.10

Supersedes EN 13616-2:2016

English Version

Overfill prevention devices for static tanks for liquid fuels -
Part 2: Overfill prevention devices without a closure
device

Dispositifs limiteurs de remplissage pour réservoirs
statiques pour carburants liquides - Partie 2:
Dispositifs limiteurs de remplissage sans dispositif de
fermeture

Überfüllsicherungen für ortsfeste Tanks für flüssige
Brenn- und Kraftstoffe - Teil 2: Überfüllsicherungen
ohne Schließeinrichtung

This European Standard was approved by CEN on 8 April 2016 and includes Amendment 1 approved by CEN on 12 February 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

Contents

Page

European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms, definitions and abbreviated terms	4
4 Requirements	6
4.1 Effectiveness	6
4.1.1 Signal equal or greater than level L_1	6
4.1.2 Signal below level L_1	6
4.1.3 Functional requirements.....	6
4.2 Durability	12
4.2.1 Durability at ambient temperature, T_{amb}	12
4.2.2 Durability against chemical attack	12
4.2.3 Durability against operational cycles	12
4.3 Electro-magnetic compatibility (EMC)	12
4.4 Fail safe	12
5 Testing.....	12
5.1 Effectiveness	12
5.1.1 Signal equal or greater than level L_1	12
5.1.2 Signal below level L_1	12
5.1.3 Functional requirements.....	13
5.2 Durability	15
5.2.1 Durability at ambient temperature, T_{amb}	15
5.2.2 Durability against chemical attack	15
5.2.3 Durability against operational cycles	16
5.3 EMC test	16
5.4 Fail safe	17
6 Assessment and verification of constancy of performance — AVCP	17
6.1 General.....	17
6.2 Type testing.....	17
6.2.1 General.....	17
6.2.2 Test samples, testing and compliance criteria	18
6.2.3 Test reports.....	18
6.2.4 Shared other party results.....	19
6.2.5 Cascading determination of the product type results	19
6.3 Factory production control (FPC)	20
6.3.1 General.....	20
6.3.2 Requirements	21
6.3.3 Product specific requirements.....	23
6.3.4 Procedure for modifications	24
6.3.5 One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	24
7 Marking, labelling and packaging	25
Annex A (informative) Setting of the overfill prevention sensor.....	26
Bibliography	30

European foreword

This document (EN 13616-2:2016+A1:2025) has been prepared by Technical Committee CEN/TC 393 “Equipment for storage tanks and for filling 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 March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

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 includes Amendment 1 approved by CEN on 12 February 2025.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

This document supersedes **A1** EN 13616-2:2016 **A1**.

A1 *deleted text* **A1**

A1 The significant technical changes between EN 13616:2004 and EN 13616-2:2016 are the following: **A1**

- splitting of EN 13616:2004; the new EN 13616, under the general title *Overfill prevention devices for static tanks for liquid fuels*, will consist of the following parts:
 - *Part 1: Overfill prevention devices with a closure device;*
 - *Part 2: Overfill prevention devices without a closure device.*
- reference to EN 14116;
- technical parameters regarding explosion updated;
- the requirements for the equipment of the overfill prevention devices with a closure device on the static tank are fixed in EN 13616-1;
- the requirements for the equipment of the overfill prevention devices without a closure device on the tank vehicle were shifted to EN 16657, *Tanks for the transport of dangerous goods — Transport tank equipment for overfill prevention devices for static tanks*.

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.