

DIN EN 13616-2:2016-11 (E)

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

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Terms, definitions and abbreviated terms	5
4	Requirements	7
4.1	Effectiveness	7
4.1.1	Signal equal or greater than level L1	7
4.1.2	Signal below level L1	7
4.1.3	Functional requirements	7
4.2	Durability	13
4.2.1	Durability at ambient temperature, T_{amb}	13
4.2.2	Durability against chemical attack	13
4.2.3	Durability against operational cycles	13
4.3	Electro-magnetic compatibility (EMC)	13
4.4	Fail safe	13
5	Testing	13
5.1	Effectiveness	13
5.1.1	Signal equal or greater than level L1	13
5.1.2	Signal below level L1	13
5.1.3	Functional requirements	14
5.2	Durability	16
5.2.1	Durability at ambient temperature, T_{amb}	16
5.2.2	Durability against chemical attack	16
5.2.3	Durability against operational cycles	17
5.3	EMC test	17
5.4	Fail safe	18
6	Assessment and verification of constancy of performance -- AVCP	18
6.1	General	18
6.2	Type testing	18
6.2.1	General	18
6.2.2	Test samples, testing and compliance criteria	19
6.2.3	Test reports	19
6.2.4	Shared other party results	19
6.2.5	Cascading determination of the product type results	20
6.3	Factory production control (FPC)	21
6.3.1	General	21
6.3.2	Requirements	22
6.3.3	Product specific requirements	24
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	25
7	Marking, labelling and packaging	25
Annex A (informative) Setting of the overfill prevention sensor		27

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation.....	30
ZA.1 Scope and relevant characteristics	30
ZA.2 Procedure for AVCP of overfill prevention devices without closure device	31
ZA.2.1 System(s) of AVCP.....	31
ZA.2.2 Declaration of performance (DoP).....	32
ZA.2.2.1 General.....	32
ZA.2.2.2 Content.....	32
ZA.2.2.3 Example of DoP	33
ZA.3 CE marking and labelling.....	35
Bibliography	37