

DIN EN 13616-1:2025-12 (E)

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

Contents		Page
European foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Requirements	8
4.1	General	8
4.2	Effectiveness	8
4.2.1	General	8
4.2.2	Operational flow range and operational pressure range	8
4.2.3	Pressure surge range	8
4.2.4	Closure level range	9
4.2.5	Operational leak rate	9
4.3	Construction	9
4.4	Durability against wear from closure cycles	10
5	Test methods	10
5.1	General	10
5.2	Chemical suitability test	10
5.3	Temperature range test	10
5.4	Component pressure tests	10
5.5	Pressure surge test	11
5.6	Function tests	11
5.6.1	General	11
5.6.2	Final closure level for single or two stages closure device test	11
5.6.3	Operational leak rate after final closure level for single or two stages closure final device test	12
5.7	Mechanical strength	12
5.8	Vapour tight - Non vapour tight test procedure	12
5.8.1	Vapour tight test procedure	12
5.8.2	Non vapour tight test procedure	13
5.9	Durability test	13
6	Classification	13
7	Marking, labelling and packaging	13
7.1	Identification	13
7.2	Instruction plate	13
7.3	Instructions for use	14
Annex A (normative) Equipment for use in a hazardous area		15
A.1	General	15
A.2	Avoidance or reduction of ignition sources	15
A.3	Electrical equipment	15
A.4	Non-electrical equipment	15
A.5	Electrostatic discharge	15

Annex B (normative) Test rig layouts	16
Annex C (normative) Additional information on diameter and flow rate	17
Annex D (informative) Environmental checklist	18
Annex ZA (informative) Relationship between this European Standard and the essential health and safety requirements of Directive 2014/34/EU aimed to be covered	20
Bibliography	23