Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and Solotonion Ochanologica of the coupler CONSOLIDATED TEXT



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN 13081:2008+A1:2012 consists of the English text of the European standard
13081:2008+A1:2012 ingliskeelset teksti.	EN 13081:2008+A1:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 13.300, 23.020.20, 23.040.60

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EUROPEAN STANDARD

NORME EUROPÉENNE

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ICS 23.040.60; 13.300; 23.020.20

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English Version

Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and coupler

Citernes de transport de matières dangereuses -Equipement de service pour citernes - Adaptateur et coupleur pour la récupération des vapeurs Tanks für die Beförderung gefährlicher Güter -Bedienungsausrüstung von Tanks - VKG- und MKG-Kupplungen für die Gassammelleitung

This European Standard was approved by CEN on 13 September 2008 and includes Amendment 1 approved by CEN on 24 December 2011

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

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	ients	Page
orewo	ord	3
	uction	
oac I	Scope	
	Normative references	
<u> </u>		
3	Terms and definitions	
1	Function	7
5	Design characteristics	
5.1 5.2	General Performance characteristics	
5.2 5.3	Pressure ratings	
5.4	Temperature range	7
5.5	Materials of construction	
5.6	Dimensional characteristics	
6 6.1	TestsGeneral	8
5.1 5.2	Production tests	
5.2.1	General	8
5.2.2	Shell tightness test	
6.2.3 6.2.4	Internal seat tightness test	
5.2.4 5.2.5	Test results	
5.3	Type tests	9
3.3.1	General	
6.3.2 6.3.3	Shell strength test	
5.3.4	Internal seat tightness test	
6.3.5	Mechanical endurance test	10
6.3.6 6.3.7	Mechanical strength test Test results	
o.o. <i>t</i>	Marking	
7	Marking	11
3	Installation, operation and maintenance instructions	11
Annex	A (normative) Vapour collection adaptor to be fitted on the transport tank	12
Annex	B (normative) Vapour collection coupler to be fitted to the stationary loading and unloading facility	14
	C (normative) Interlock and other devices	
C.1	Interlock	15
C.2	DTQM tank identifier	
	D (informative) 4 hole fixing	
Bibliog	graphy	18

Foreword

This document (EN 13081:2008+A1:2012) has been prepared by Technical Committee CEN/TC 296 "Tanks for transport of dangerous goods", the secretariat of which is held by AFNOR.

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 August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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

This document supersedes (A) EN 13081:2008 (A).

This document includes Amendment 1 approved by CEN on 2011-12-24.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A].

- (A) Compared to EN 13081:2008 the following changes have been made:
- a) in 3.2 a definition for "probe" has been added;
- b) in Annex A (normative) specifications for the opening of the adaptor have been added:
- c) in Annex B (normative) specifications for the opening of the coupler have been added;
- d) in Annex C (normative) specifications for the interlock have been added. (A)

This European standard forms part of a coherent standards programme comprising the following standards. under the general title "Tanks for transport of dangerous goods - Service equipment for tanks"

EN 13081, Vapour collection adaptor and coupler

EN 13082, Vapour transfer valve

EN 13083, Adaptor for bottom loading and unloading

EN 13308, Non pressure balanced footvalve

EN 13314, Fill hole cover

EN 13315, Gravity discharge coupler

EN 13316, Pressure balanced footvalve

EN 13317, Manhole cover assembly

EN 13922, Overfill prevention systems for liquid fuels

EN 14595, Pressure and Vacuum Breather Vent

EN 14596, Emergency pressure relief valve

EN 15208, Sealed parcel delivery systems – Working principles and interface specifications

The standards programme also includes the following Technical Report:

CEN/TR 15120, Tanks for transport of dangerous goods - Guidance and recommendations for loading, transport and unloading.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following iden inia, i Maita, N. urkey and ti. 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

The vapour collection adaptor and coupler are part of the vapour collection system that is required to comply with the European Directive 94/63/EC on Volatile Organic Compounds (VOC) [1].

adaptor a unloading i The vapour collection adaptor and coupler establish a vapour tight path between the transport tank and the stationary loading and unloading facilities.

1 Scope

This European Standard covers the vapour collection adaptor and coupler used to achieve a vapour tight path between the transport tank and the stationary loading and unloading facilities.

This European Standard specifies the performance requirements and the critical dimensions of the vapour recovery adaptor fitted to the tank and the mating coupler fitted to a hose or to pipework connected to the stationary loading and unloading facilities. It also specifies the tests necessary to verify the compliance of the equipment with this standard. The equipment specified by this European Standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa, at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references only the edition cited applies. For undated references the latest edition of the referenced document (including amendments) applies.

EN 12266-1:2003, Industrial valves — Testing of valves — Part 1: Pressure tests, test procedures and acceptance criteria — Mandatory requirements

EN 12266-2:2002, Industrial valves — Testing of valves — Part 2: Tests, test procedures and acceptance criteria — Supplementary requirements

EN 15208:2007, Tanks for transport of dangerous goods - Sealed parcel delivery systems - Working principles and interface specifications

EN ISO 1302, Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation (ISO 1302:2002)

EN ISO 4287, Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters (ISO 4287:1997)

ISO 2859-1, Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

Maximum Working Pressure (MWP) gauge pressure

maximum pressure to which the equipment is designed to operate, being the highest of the following three pressures:

- a) highest effective pressure allowed in the tank during filling (maximum filling pressure allowed)
- highest effective pressure allowed in the tank during discharge (maximum discharge pressure allowed)
- c) effective gauge pressure to which the tank is subjected by its contents (including such extraneous gases as it may contain) at the maximum working temperature