

Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler

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equipment for tanks - Gravity discharge coupler

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13315:2002 sisaldab Euroopa standardi EN 13315:2002 ingliskeelset teksti.	This Estonian standard EVS-EN 13315:2002 consists of the English text of the European standard EN 13315:2002.
Käesolev dokument on jõustatud 18.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 18.10.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard applies to gravity discharge coupler and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment to this standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (flammable liquids) which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no-sub-classification as toxic or corrosive.	Scope: This European Standard applies to gravity discharge coupler and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment to this standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (flammable liquids) which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no-sub-classification as toxic or corrosive.
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ICS 13.300, 23.020.20

Võtmesõnad: containers, inflammable solids, safety, safety engin, sample surveys, specification (approval), specifications, surveillance (approval), tank installations, tank trucks, tanks, tanks (containers), testing, transport, transport of dangerous goods, workplace safety

ICS 13.300; 23.020.20

English version

Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler

Citernes de transport de matières dangereuses -
Equipements de service pour citernes - Coupleur de
vidange gravitaire

Tanks für die Beförderung gefährlicher Güter -
Bedienungsausrüstung von Tanks - Entladekupplung für
Schwerkraftabgabe

This European Standard was approved by CEN on 4 January 2002.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document EN 13315:2002 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 November 2002, and conflicting national standards shall be withdrawn at the latest by November 2002.

This European Standard forms part of a coherent standards programme comprising the following standards:

Tanks for transport of liquid dangerous goods with vapour pressure not exceeding 110 kPa (absolute pressure) at 50 °C and petrol - Service Equipment

EN 13081, *Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and coupler.*

EN 13082, *Tanks for transport of dangerous goods - Service equipment for tanks - Vapour transfer valve.*

EN 13083, *Tanks for transport of dangerous goods - Service equipment for tanks - Adaptor for bottom loading and unloading.*

prEN 13308, *Tanks for transport of dangerous goods - Service equipment for tanks - Non-pressure balanced footvalve.*

prEN 13314, *Tanks for transporting dangerous goods - Service equipment - Fill hole cover.*

EN 13315, *Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler.*

prEN 13316, *Tanks for transporting dangerous goods - Service equipment - Pressure balanced footvalve.*

prEN 13317, *Tanks for transporting dangerous goods - Service equipment - Manhole cover assembly*

WI 296009, *Pressure and vacuum breather vent*

WI 296010, *Emergency pressure relief valve*

This European Standard has been submitted for reference into the RID and/or in the technical annexes of the ADR. Therefore in this context the standards listed in the normative references and covering basic requirements of the RID/ADR not addressed within the present standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The gravity discharge coupler, the subject of this standard, allows the transfer of dangerous substances from a tank to the receiving storage tank by mating with the adaptor for bottom loading and unloading, and providing the means of connection to a discharge hose.

1 Scope

This European Standard applies to gravity discharge coupler and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment to this standard.

The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road – (flammable liquids) 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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 12266-1:1999, *Industrial valves – Testing of valves – Part 1: Tests, test procedures and acceptance criteria to be fulfilled by every valve.*

prEN 12266-2:1999, *Industrial valves – Testing of valves – Part 2: Supplementary tests, test procedures and acceptance criteria.*

EN 13083, *Tanks for transport of dangerous goods - Service equipment for tanks - Adaptator for bottom loading and unloading.*

ISO 2859-1, *Sampling procedures for inspection by attributes – Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection.*

3 Terms and definitions

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

3.1

product sensor

device which detects the presence of liquid petroleum and whose output signal can be used to display whether liquid is present

3.2

interlock

device which can be used to initiate or prevent an action

3.3

bottom loading

term used to describe the filling of a tank through the tank's piping system which enables substances to enter the tank compartment from the bottom

3.4

adaptor (externally openable only)

adaptor which is only capable of being opened by external means

3.5

self actuating adaptor

adaptor capable of being opened by built-in and external means