Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Foot valves

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN
14433:2006 sisaldab Euroopa standardi
EN 14433:2006 ingliskeelset teksti.

Käesolev dokument on jõustatud 29.05.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 14433:2006 consists of the English text of the European standard EN 14433:2006.

This document is endorsed on 29.05.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This European Standard specifies the requirements for footvalves for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail. It is applicable to equipment for use on tanks with gravity and/or pressure bottom loading and discharge.

Scope:

This European Standard specifies the requirements for footvalves for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail. It is applicable to equipment for use on tanks with gravity and/or pressure bottom loading and discharge.

ICS 13.300, 23.020.20

Võtmesõnad: containers, leak tests, portable equipment, specificati, specifications, tank installations, tank trucks, tanks (containers), testing, transport, transport of dangerous goods, transportable, type testing, valve bodies, valves, workplace safety

EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14433

April 2006

ICS 13.300: 23.020.20

English Version

Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Foot valves

Citernes pour le transport de matières dangereuses -Equipements de la citerne pour le transport de produits chimiques liquides - Clapets de fond Tanks für die Beförderung gefährlicher Güter - Ausrüstung für Tanks für die Beförderung flüssiger Chemieprodukte - Bodenventile

This European Standard was approved by CEN on 9 March 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions

CEN members are the national standards bodies of Austria, Belgium, 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 and United Kingdom.



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

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Foreword

This European Standard (EN 14433:2006) 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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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, SO DECTION DEPOSITE DE LES DE Switzerland and United Kingdom.

1 Scope

This European Standard specifies the requirements for footvalves for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail.

It is applicable to equipment for use on tanks with gravity and/or pressure bottom loading and discharge.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any 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 ISO 6708, Pipework components - Definition and selection of DN (nominal size) (ISO 6708:1995)

3 Terms and definitions

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

3.1

maximum working pressure

MWF

maximum pressure up to which the valve can be operated

3.2

nominal size

designated size of valve as defined in EN ISO 6708

4 Function

The footvalve is a primary valve located in the lower part of the tank to ensure that escape of product from the tank is prevented.

5 Design and materials

5.1 General

The footvalve shall be designed for a working pressure of at least 300 kPa. The footvalve shall normally be a non-pressure balanced design. If the valve is a pressure balanced design, a surge pressure of 5 times the MWP shall not jeopardize the tightness of the housing or the function of the valve. The manufacturer shall specify in drawings and other papers, the design and the materials of the footvalve. The valve specification shall include information regarding mating tank flange details.