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Tanks for transport of dangerous goods - Service equipment for tanks - Vapour manifold vent valve

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Tanks for transport of dangerous goods - Service equipment for tanks - Vapour manifold vent valve

Citernes destinées au transport de matières dangereuses - Équipement de service - Évent de transfert pour collecteur de vapeurs

Tanks für die Beförderung gefährlicher Güter - Bedienungsausrüstung von Tanks - Be- und Entlüftungsventil für Gassammelleitungen

This European Standard was approved by CEN on 23 April 2018.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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EN 17110:2018 (E)

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European foreword

This document (EN 17110:2018) 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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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

This document forms part of a coherent standards programme (i.e. Tanks for transport of liquid dangerous goods with vapour pressure not exceeding 110 kPa (absolute pressure) at 50° C and petrol - Service equipment).

This standards programme comprises the following standards:

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*

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

EN 13314, *Tanks for transport of dangerous goods — Service equipment for tanks — Fill hole cover*

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

EN 13316, *Tanks for transport of dangerous goods — Service equipment for tanks — Pressure balanced footvalve*

EN 13317, *Tanks for transport of dangerous goods — Service equipment for tanks — Manhole cover assembly*

EN 14595, *Tanks for transport of dangerous goods — Service equipment — Breather device*

EN 14596, *Tanks for transport of dangerous goods — Service equipment for tanks — Emergency pressure relief valve*

EN 16249, *Tanks for the transport of dangerous goods — Service equipment — Cap for the adaptor for bottom loading and unloading*

EN 16257, *Tanks for the transport of dangerous goods — Service equipment — Footvalve sizes other than 100 mm dia. (nom)*

EN 16522, *Tanks for transport of dangerous goods — Service equipment for tanks — Flame arresters for breather devices*

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This document includes a Bibliography.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

The vapour manifold vent valve allows the controlled release of vapour from the vapour manifold and the controlled entry of atmospheric air into the vapour manifold. It may also include a breathing function.

EN 17110:2018 (E)**1 Scope**

This document covers the vapour manifold vent valve used to provide controlled venting of the vapour manifold to atmosphere.

It specifies the performance requirements and the critical dimensions of the vapour manifold vent valve. It also specifies the tests necessary to verify compliance of the equipment with this document.

The service equipment specified by this document is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [1] 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12266-1:2012, *Industrial valves — Testing of metallic valves — Part 1: Pressure tests, test procedures and acceptance criteria — Mandatory requirements*

EN 12266-2:2012, *Industrial valves — Testing of metallic valves — Part 2: Tests, test procedures and acceptance criteria — Supplementary requirements*

EN 14564, *Tanks for transport of dangerous goods — Terminology*

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

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

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