

Referência	Título / Campo de Aplicação	Emissor	Data de adoção	Observações
EN 12972:2015	Tanks for transport of dangerous goods – Testing, inspection and marketing of metallic tanks	CEN/TC 296	2015-04-14	
<p>(...) specifies testing, inspection and marking for the type approval, initial inspection, periodic inspection, intermediate inspection and exceptional check of metallic tanks (shell and equipment) of fixed tanks (tank vehicles), demountable tanks, rail tank wagons, portable tanks and tank containers for the transport of dangerous goods. This European Standard is not applicable to battery-vehicles and battery-wagons comprising cylinders, tubes, pressure drums, bundles of cylinders and multiple element gas containers (MEGCs), independent of whether the elements are receptacles or tanks. It is essential that the requirements of the applicable regulations for the transport of dangerous goods prevail in all cases over those of this standard.</p>				
EN 13081:2008 +A1:2012	Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler	CEN/TC 296	2015-05-23	
<p>(...) 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.</p>				

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EN 13082:2008 +A1:2012	Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve	CEN/TC 296	2015-05-23	<p>(...) covers the vapour transfer valve, used for the transfer of vapour between the tank compartment and the pipework connecting to the vapour collection adaptor. This European Standard specifies the performance requirements and the critical dimensions of the vapour transfer valve. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this 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.</p>
EN 13083:2008 +A1:2013	Tanks for transport of dangerous goods – Service equipment for tanks – Adaptor for bottom loading and unloading	CEN/TC 296	2013-09-24	<p>(...) covers externally actuated and self-actuated adaptors for bottom loading and unloading. This European Standard specifies the performance requirements and the critical dimensions of the adaptor for bottom loading and unloading. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this 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 subclassification as toxic or corrosive.</p>

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EN 13094:2015	Tanks for transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0,5 bar – Design and construction	CEN/TC 296	2015-07-14	
	(...) specifies requirements for the design and construction of metallic tanks with a maximum working pressure not exceeding 50 kPa gauge used for the transport of dangerous goods by road and rail for which Tank Code with letter "G" is given in Chapter 3.2 of ADR [2]. It also includes requirements for a system of identification of materials used in the construction of these tanks. This European Standard specifies requirements for openings, closures and structural equipment. NOTE 1 This document does not specify requirements for service equipment. This European Standard is applicable to aircraft refuellers that are used on public roads. It is also applicable to inter-modal tanks (e.g. tank containers and tank swap bodies) for the transport of dangerous goods by road and rail. NOTE 2 This document is not applicable to fixed rail tank wagons.			
EN 13308:2002	Tanks for transport of dangerous goods - Service equipment for tanks - Non pressure balanced footvalve	CEN/TC 296	2002-08-22	
	(...) is applicable to non pressure balanced footvalve and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with 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.			
EN 13314:2002	Tanks for transport of dangerous goods - Service equipment for tanks - Fill hole cover	CEN/TC 296	2002-08-19	
	(...) covers the fill hole cover and specifies the performance requirements, 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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EN 13315:2002	<p>Tanks for transport of dangerous goods – Service equipment for tanks – Gravity discharge coupler</p> <p>(...) 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.</p>	CEN/TC 296	2002-06-18	
EN 13316:2002	<p>Tanks for transport of dangerous goods – Service equipment for tanks – Pressure balanced footvalve</p> <p>(...) covers the pressure balanced footvalve for bottom loading and unloading and specifies the performance requirements, 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.</p>	CEN/TC 296	2002-08-31	
EN 13317:2002+A1:2006	<p>Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly</p> <p>(...) covers the manhole cover assembly and specifies the performance requirements, 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.</p>	CEN/TC 296	2002-08-17	

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EN 13922:2011	Tanks for transport of dangerous goods – Service equipment for tanks – Overfill prevention systems for liquid fuels	CEN/TC 296	2011-12-23	
<p>(...) specifies the following points regarding the minimum requirements for an overfill prevention system: - functions; - major components; - characteristics; - test methods. This European Standard is applicable to overfill prevention systems for liquid fuels having a flash point up to but not exceeding 100 °C, excluding liquefied petroleum gas (LPG). The requirements apply to overfill prevention systems suitable for use at ambient temperatures in the range from - 20 °C to + 50 °C, subjected to normal operational pressure variations.</p>				
EN 14025:2013 +A1:2016	Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction	CEN/TC 296	2014-01-27	
<p>(...) specifies the minimum requirements for the design and construction of metallic pressure tanks having a maximum working or test pressure exceeding 50 kPa (0,5 bar), for the transport of dangerous goods by road and rail and sea. This European Standard includes requirements for openings, closures and structural equipment; it does not cover requirements of service equipment. For tanks for the transport of cryogenic liquids, EN 13530-1 and EN 13530-2 apply. NOTE 1 Design and construction of pressure tanks according to the scope of this European Standard are primarily subject to the requirements of RID/ADR, 6.8.2.1, 6.8.3.1 and 6.8.5, as relevant. In addition, the relevant requirements of RID/ADR, columns 12 and 13 of Table A to chapter 3.2, 4.3 and 6.8.2.4 apply. For the structural equipment subsections 6.8.2.2 and 6.8.3.2 apply, as relevant. The definitions of RID/ADR 1.2.1 are referred to. For portable tanks see also Chapter 4.2 and Sections 6.7.2 and 6.7.3 of RID and ADR. In addition, the relevant requirements of RID/ADR, columns 10 and 11 of Table A to Chapter 3.2, 4.2, 6.7.2 and 6.7.3 apply. The paragraph numbers above relate to the 2013 issue of RID/ADR which are subject to regular revisions. This can lead to temporary non-compliances with EN 14025. It is important to know that requirements of RID/ADR take precedence over any clause of this standard. NOTE 2 This standard is applicable to liquefied gases including LPG, however for a dedicated LPG standard see EN 12493. If not otherwise specified, provisions which take up the whole width of the page apply to all kind of tanks. Provisions contained in a single column apply only to: road and rail pressure tanks according to RID/ADR chapter 6.8 (left-hand column); ortable tanks according to RID/ADR chapter 6.7 right-hand column.</p>				

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EN 14116:2012+A1:2014	Tanks for transport of dangerous goods - Digital interface for product recognition devices for liquid fuels	CEN/TC 296	2014-11-17	
	(...) covers the digital interface at the product loading and/or discharge coupling which is used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices.			
EN 14432:2014	Tanks for transport of dangerous goods – Tank equipment for the transport of liquid chemicals - Product discharge and air inlet valves	CEN/TC 296	2015-12-15	
	(...) specifies the requirements for product discharge and air inlet valves for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail. NOTE 1 The term 'valve' includes ball valves as well as butterfly valves and similar closure devices. It is applicable to metallic equipment for use on tanks with gravity and/or pressure filling and discharge for liquid chemicals and liquefied gases. It includes carbon dioxide while excluding refrigerated liquefied gases. NOTE 2 The standard is also applicable to liquefied gases including LPG, however, for a dedicated LPG standard see EN 13175 [3].			
EN 14433:2014	Tanks for transport of dangerous goods – Tank equipment for the transport of liquid chemicals – Foot valves	CEN/TC 296	2015-12-15	
	(...) specifies the requirements for foot valves 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 metallic equipment for use on tanks with gravity and/or pressure bottom loading and discharge for liquid chemicals and liquefied gases. It includes carbon dioxide while excluding refrigerated liquefied gases. NOTE The standard is also applicable to liquefied gases including LPG, however, for a dedicated LPG standard see EN 13175 [3].			

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EN 14564:2013	Tanks for transport of dangerous goods Terminology (...) gives the terminology for all tanks and does not cover carriage in bulk for the transport of dangerous goods. This document is part of the standards on tanks for transport of dangerous goods, prepared by CEN/TC 296 in application of the RID/ADR [2, 3]: - Annex A gives some definitions taken from RID/ADR chapter 1.2 ; and - Annex B gives some definitions taken from RID/ADR chapter 6.7. NOTE Annexes A and B are based on the 2013 edition of RID/ADR which are updated every two years. This includes the potential of temporary inconsistencies with these annexes.	CEN/TC 296	2013-05-22	
EN 14595:2005	Tanks for transport of dangerous goods – Service equipment for tanks. Pressure and Vacuum Breather Vent (...) covers the pressure and vacuum breather vent used to ensure normal tank compartment breathing. It specifies the performance requirements and the critical dimensions of the pressure and vacuum breather vent. 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 the 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.	CEN/TC 296	2005-07-06	
EN 14596:2005	Tanks for transport of dangerous goods – Service equipment for tanks – Emergency pressure relief valve (...) covers the emergency pressure relief valve. It specifies the performance requirements and the critical dimensions of the emergency pressure relief 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 [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.	CEN/TC 296	2005-07-06	

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EN 15207:2014	Tanks for transport of dangerous goods – Plug/socket connection and supply characteristics for service equipment in hazardous areas with 24 V nominal supply voltage	CEN/TC 296	2015-01-15	
	(...) specifies the interoperability requirements for the tractor/trailer and/or transport tank/trailer plug/socket for the use in hazardous areas, being: - the connection used for the supply Type A and supply Type S electrical power to service equipment; and - the supply characteristics for each operating mode. This plug/socket combination includes provisions for future connections including data transfer. The plug/socket connection is not used for purposes which are specified in other standards for truck - trailer connections e.g. ISO 12098 and ISO 7638-1.			
EN 15208:2014	Tanks for transport of dangerous goods - Sealed parcel delivery systems - Working principles and interface specifications	CEN/TC 296	2014-05-06	
	(...) is applicable to sealed parcel delivery systems used with transport tanks and specifies the performance requirements, critical safety aspects, data transfer methods between loading gantries and transport tank, transport tank and delivery points, other optional communications and tests to provide functional and compatible systems. Sealed parcel delivery systems covered by this European Standard is for bottom loaded transport tanks. The systems specified by this European Standard are suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR 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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EN 15969-1:2015	<p>Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities - Part 1: Protocol specification - Control, measurement and event data</p> <p>(...) specifies data protocols and data format for the interfaces between electronic equipment (TVE), on-board computer (OBC) of the tank vehicle and stationary equipment for all interconnecting communication paths. This European Standard specifies the basic protocol FTL used in the communication (basic protocol layer), the format and structure of FTL-data to be transmitted (data protocol layer) and describes the content of the FTL-data. This data protocol may be used for other application, e.g. between stationary tank equipment and offices.</p>	CEN/TC 296	2014-06-02	
EN 15969-2:2011	<p>Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities – Part 2: Commercial and logistic data</p> <p>(...)specifies the data structure needed for tour management, scheduling orders of measured and unmeasured products online to the truck. Processed orders are transferred back to the host in the office at once or later every time the truck is online. It specifies the transfer of commercial and logistic data between transport vehicle equipment, on board computer of the tank vehicle and stationary facilities for all communication channels between these parties.</p>	CEN/TC 296	2011-12-23	
EN 16249:2013	<p>Tanks for the transport of dangerous goods - Service equipment - Cap for the adaptor for bottom loading and unloading</p> <p>(...) is applicable to the cap used to provide protection and end closing for the adaptor for bottom loading and unloading of tanks for the transport of dangerous goods. It specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this European 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) (flammable liquids) that have a vapour pressure not exceeding 110 kPa at 50 °C, including petrol, and that are not sub-classified as toxic or corrosive.</p>	CEN/TC 296	2011-11-22	

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EN 16257:2012	<p>Tanks for the transport of dangerous goods - Service equipment - Footvalve sizes other than 100 mm dia (nom)</p> <p>(...)is applicable to non-pressure balanced and pressure balanced footvalves intended for loading and unloading and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard. Footvalves covered by this European standard are unsuitable for use in applications where the product velocity exceeds 5 m/sec 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.</p>	CEN/TC 296	2013-01-28	
EN 16522:2014	<p>Tanks for transport of dangerous goods - Service equipment for tanks - Flame arresters for breather devices</p> <p>(...) defines the minimum requirements for flame arresters fitted to tanks for the transport of dangerous goods. This European Standard specifies the type of flame arrestor to be used for breather devices as part of the service equipment of fixed tanks and demountable tanks for the transport of liquid petroleum products. The equipment specified by this European Standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no subclassification as toxic or corrosive. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. Emergency pressure relief valves in accordance with EN 14596 are excluded from the requirements of this European Standard.</p>	CEN/TC 296	2014-04-29	

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EN 16657:2016	Tanks for the transport of dangerous goods - Transport tank equipment for overfill prevention devices for static tanks	CEN/TC 296	2016-07-14	
	(...) specifies the minimum performance and construction requirements for overfill prevention controllers located on the tank vehicle. This European Standard applies to overfill prevention controllers for liquid fuels, having a flash point up to but not exceeding 100 °C. The requirements apply to overfill prevention controllers suitable for use at ambient temperatures in the range from 25 °C to +60 °C, and subject to normal operational pressure variations.			

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