

TITLE AND SCOPE FOR ISO STANDARDS

a) MEDC 3 (3742) DTZS

Title: Liquefied petroleum gas fuelling stations - LPG stations for fuelling vehicles

Scope: This Draft Standard gives the design, construction, installation, testing and commissioning, operation, maintenance, layout of the LPG storage and dispensing facilities at filling stations where LPG is used as a vehicle fuel.

b) MEDC 3 (3743) DTZS/ ISO 2928:2021

Title: Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas up to 2,5 MPa (25 bar).

Scope: This document specifies requirements for rubber hoses and rubber hose assemblies used for the transfer of liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas and designed for use at working pressures ranging from vacuum to a maximum of 2,5 MPa (25 bar) within the temperature range -30 °C to +70 °C or, for low-temperature hoses (designated -LT), within the temperature range -50 °C to +70 °C.

c) MEDC 3 (3751) DTZS/ ISO 24431:2016

Title: Gas cylinders - Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene)- Inspection at time of filling.

Scope: This International Standard specifies the inspection requirements at the time of filling, and applies to seamless or welded transportable gas cylinders made of steel or aluminium-alloy (Type 1), and for composite transportable gas cylinders (Types 2 to 5 inclusive) for liquefied or compressed gases of a water capacity up to 150 l. It may be applicable to cylinders and tubes with a water capacity between 150 l and 450 l, provided they are inspected and filled as individual cylinders and tubes.

d) MEDC 3 (3752) DTZS/ ISO 17879:2017

Title: Gas cylinders -Self-closing cylinder valves- Specification and type testing.

Scope: This document specifies the design, type testing, marking and manufacturing tests and examinations requirements for self-closing cylinder valves intended to be fitted to refillable transportable gas cylinders which convey compressed, liquefied or dissolved gases.

e) MEDC 3 (3754) DTZS/ ISO 22434:2022

Title: Gas cylinders - Inspection and maintenance of valves.

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Scope: This document specifies requirements for the inspection and maintenance of valves [including ball valves and valves with integrated pressure regulator (VIPRs)] for:

- a) refillable transportable gas cylinders;
- b) cylinder bundles;
- c) pressure drums and tubes; which convey compressed, liquefied or dissolved gases.

f) MEDC 3 (3756) DTZS/ ISO 11119-1:2020

Title: Gas cylinders- Design, construction and testing of refillable composite gas cylinders and tubes - Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l

Scope: This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at time of manufacture for:

- — type 2 composite hoop wrapped cylinders or tubes with a load-sharing metal liner and composite reinforcement on the cylindrical portion only;
- — water capacities up to 450 l;
- — the storage and conveyance of compressed or liquefied gases;
- — cylinders and tubes with composite reinforcement of carbon fibre, aramid fibre or glass fibre (or a mixture thereof) within a matrix or steel wire to provide circumferential reinforcement;
- — a minimum design life of 15 years.

This document does not address the design, fitting, and performance of removable protective sleeves.

g) MEDC 3 (3757) DTZS/ ISO 11119-2:2020

Title: Gas cylinders -Design, construction and testing of refillable composite gas cylinders and Tubes-Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liner.

Scope: This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at time of manufacture for:

- — type 3 fully wrapped cylinders or tubes with a load-sharing metal liner and composite reinforcement on both the cylindrical portion and the dome ends;
- — water capacities up to 450 l;
- — storage and conveyance of compressed or liquefied gases;
- — cylinders and tubes with composite reinforcement of carbon fibre, aramid fibre or glass fibre (or a mixture thereof) within a matrix;
- — a minimum design life of 15 years.

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h) MEDC 3 (3759) DTZS/ ISO 11119-3:2020

Title: Design, construction and testing of refillable composite gas cylinders and tubes - Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners.

Scope: This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at time of manufacture for:

- — type 4 composite fully wrapped cylinders or tubes with a non-load sharing liner and composite reinforcement on both the cylindrical portion and the dome ends;
- — type 5 fully wrapped cylinders or tubes without liners and with a test pressure of less than 60 bar and composite reinforcement on both the cylindrical portion and the dome ends;
- — water capacities up to 450 l;
- — for the storage and conveyance of compressed or liquefied gases;
- — cylinders and tubes with composite reinforcement of carbon fibre, aramid fibre or glass fibre (or a mixture thereof) within a matrix;
- — a minimum design life of 15 years.

Cylinders and tubes manufactured and tested according to this document are not intended to contain toxic, oxidizing or corrosive gases.

This document does not address the design, fitting and performance of removable protective sleeves

i) MEDC 3 (3766) DTZS/ ISO 11759:1999

Title: Rubber hoses and hose assemblies for dispensing liquefied petroleum gases (LPGs) - Specification.

Scope: This International Standard specifies the requirements for flexible rubber hoses and hose assemblies used for the transfer of metered quantities of liquefied petroleum gases (LPGs) from dispensing equipment to motor vehicles.

The hoses and hose assemblies specified in this International Standard are intended for use "wet", i.e. permanently filled with liquid, in the temperature range from – 40 °C to + 60 °C.

j) MEDC 3 (3770) DTZS/ ISO 25760:2009

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Title: Gas cylinders - Operational procedures for the safe removal of valves from gas cylinders.

Scope: This International Standard is intended for suppliers, operators in testing facilities, operators performing cylinder maintenance and any person authorized to remove valves from gas cylinders. It details procedures for the safe removal of valves from cylinders and includes techniques for the identification of inoperable valves.

Only the risks due to gas and gas mixtures under pressure are addressed; other technical issues relating to the removal of a valve from a cylinder are not covered.

k) MEDC 12 (3902) DTZS/ISO-TR 21276:2018

Title: Clean cookstoves and clean cooking solutions – Vocabulary.

Scope: This document defines terms for use in documents prepared by ISO/TC 285. Basic schematic illustrations are also provided to demonstrate relationships among certain concepts defined herein. This document deliberately excludes some information that could be useful in the practice of testing and evaluation. Designation of specific products, even as examples, is avoided so that the document stays up-to-date and inclusive.

l) MEDC 12 (3901) DTZS/ISO 5714:2023

Title: Clean cookstoves and clean cooking solutions - Test protocols for institutional cookstoves.

Scope: This document provides testing methods to evaluate the energy performance, emissions, safety and durability of institutional cookstoves. For general guidance (not a requirement), institutional cookstoves typically have firepower greater than 10 kW and/or cooking vessel volume greater than 25 l. The evaluation of household cookstoves is covered in ISO19867-1 and ISO19869 and is not addressed in this document.

This document provides the following:

- quantitative and qualitative measurements of performance and safety of institutional cookstoves – methods include uncontrolled and controlled cooking tests;
- guidance for the measurement of air pollution, and;
- guidance for prioritizing measurements that balance comprehensiveness and feasibility.

This document includes testing methods for energy performance, emissions and durability that are applicable to institutional cookstoves that burn solid, liquid, and gaseous fuels and for energy performance, safety and durability that are applicable to institutional cookstoves powered by solar thermal energy.

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m) **MEDC 12 (3857) DTZS 473:2019**

Title: Solid fuel cookstoves — Part 1: General requirements and test methods.

Scope: This Tanzania standard specifies the classification, efficiency, durability, safety, emissions, requirements, and test methods for solid fuel cookstoves.

This standard is applicable to cookstoves using solid fuel in its natural or densified form.