BS ISO 19723-1:2025

BSI Standards Publication

Road vehicles — Liquefied natural gas (LNG) fuel systems

Part 1: Safety requirements

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National foreword

This British Standard is the UK implementation of ISO 19723-1:2025. It supersedes BS ISO 19723-1:2018+A1:2021, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GSE/40, Gas supply equipment for natural gas vehicles.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Part 1:
Safety requirements

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Partie 1: Exigences de sécurité

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Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*.

This second edition cancels and replaces the first edition (ISO 19723-1:2018), which has been technically revised. It also incorporates the Amendment ISO 19723-1:2018/Amd 1:2021.

The main changes are as follows:

— updated Clause 2, Normative references;

— added requirements for the electronic control unit (ECU);

— updated requirements for minimum receptacle clearance;

— added requirements for vent line closures.

A list of all parts in the ISO 19723 series can be found on the ISO website.

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Introduction

All fuel system components in contact with liquid natural gas have been considered suitable for natural gas as defined in the ISO 15403 series.

A safety device to prevent overfilling the vehicle's fuel system is part of the refuelling station. The pressure gauge has not been considered as a safety component.

Technical solutions regarding functional requirements are given in Annex A.

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