

ISO 15501-1:2025-12 (E)

Road vehicles - Compressed natural gas (CNG) fuel systems - Part 1: Safety requirements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Requirements	4
4.1	Design	4
4.1.1	General	4
4.1.2	Components	5
4.2	Refuelling connection	7
4.2.1	General	7
4.2.2	Receptacle location	7
4.2.3	Receptacle mounting	7
4.2.4	Minimum receptacle clearance	7
4.3	Leakage control	8
4.4	Mounting of the cylinders	9
4.5	Heat protection	10
4.6	Minimizing risk of gas ignition	10
4.7	Venting system	10
4.7.1	General	10
4.7.2	Ventilation lines for PRDs and PRVs	11
4.7.3	Vent line closures	11
4.8	Gas temperature sensor	11
5	Marking	11
Annex A (informative)	Technical solutions to functional requirements	12
Annex B (informative)	Compressed natural gas (CNG) on-board fuel systems	13
Bibliography		15