# INTERNATIONAL STANDARD

ISO 15500-4

> Second edition 2012-04-15 **AMENDMENT 1** 2016-04-01

## Road vehicles — Compressed natural gas (CNG) fuel system components —

Part 4: **Manual valve** 

**AMENDMENT 1** 

iTeh STANDARD PREVIEW
Véhicules routiers — Composants des systèmes de combustible gaz
(s'naturel comprimé (GNC):

Partie 4: Valve manuelle

ISMENDEMENT 1 md 1:2016
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Amendment 1 to ISO 15500-4:2012 was prepared by Technical Committee ISO/TC 22, Road vehicles, Subcommittee SC 41, Specific aspects for gaseous fuels.

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## Road vehicles — Compressed natural gas (CNG) fuel system components —

## Part 4:

### Manual valve

### AMENDMENT 1

Page 2, Clause 5

Replace Clause 5 with the following:

### 5 Construction and assembly

- **5.1** The manual valve shall comply with the applicable provisions of ISO 15500-1 and ISO 15500-2, and with the tests specified in Clause 6. Tolerances should follow the specifications of ISO 15500-2.
- **5.2** Manual valve handles, when provided, shall be securely attached to the valve spindle.
- **5.3** A manual valve with 90° rotation from "on" to "off" position shall be provided with rigidly secured stops to limit rotation.
- 5.4 A manual valve may be used as a service valve.
- **5.5** Valves having 90° of rotation <u>(quarter-turn)</u> from <u>for</u> to "off" positions shall have the handles perpendicular to the <u>direction of flow at the valve in let when in the foff</u> position.

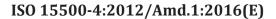
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- **5.6** All valves shall close when the handle is rotated clockwise.

Page 3, Table 1

Replace <u>Table 1</u> with the following:

Table 1 — Applicable tests

Test	Applicable	Test procedure as required by ISO 15500-2	Specific test requirements of this part of ISO 15500
Hydrostatic strength	X	X	X (see 6.2)
Leakage	X	X	X (see 6.3)
Excess torque resistance	X	X	
Bending moment	X	X	
Continued operation	X	X	X (see 6.4)
Corrosion resistance	X	X	
Oxygen ageing	X	X	
Ozone ageing	X	X	
Heat ageing	X	X	
Automotive fluids	X	X	
Electrical overvoltages			
Non-metallic material immersion	X	X	
Vibration resistance	X	X	
Brass material compatibility	X	X	



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