

DRAFT AMENDMENT

ISO 15500-4:2012/DAM 1

ISO/TC 22/SC 41

Secretariat: UNI

Voting begins on:
2015-08-19

Voting terminates on:
2015-11-19

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

Part 4: Manual valve

AMENDMENT 1

Véhicules routiers — Composants des systèmes de combustible gaz naturel comprimé (GNC) —

Partie 4: Valve manuelle

AMENDEMENT 1

ICS: 43.060.40

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2016

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Reference number
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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 of this part of ISO 15500. [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. ~~The valve handle shall be perpendicular to the direction of flow in the “off” position.~~

5.4 A manual valve may be used as a service valve.

5.5 Valves having 90° of rotation (quarter turn) from “on” to “off” positions shall have the handles perpendicular to the direction of flow at the valve inlet when in the “off” position.

5.6 All valves ~~having more than 90° rotation~~ shall close ~~to the “off” position~~ when the handle is rotated clockwise.

6 Tests

6.1 Applicability

The tests required to be carried out are indicated in Table 1.

Table 1 — Tests applicable

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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