



ISO/TC 28 Petroleum products and lubricants

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To: P-members
O-members
L-members

Dear Members,

Proposed revisions to ISO 13758:1996 *Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method*

Some modifications/additions to ISO 13758:1996 have been proposed by the UK (see attached). Before any formal ballot on this subject is initiated, the proposed changes are being circulated to ISO/TC 28 members for review in order that feedback can be obtained on whether to progress this issue.

ISO/TC 28 members are requested to return to the ISO/TC 28 Secretary any comments they have on the proposed modifications/additions by: **5 SEPTEMBER 2003.**

Members are also asked whether the proposed changes should be incorporated in an **amendment** or a **new edition** of the standard.

Yours sincerely

Paula Watkins

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Secretary to ISO/TC 28

Proposed modifications to ISO 13758:1996

Current text:

5.1 LPG freeze test valve, a precision instrument specially constructed and calibrated solely for this test procedure.

The valve has two open positions, a wide-open position for purging and cooling, and a small pre-set orifice for testing.

The valve shall not be dropped, strained or disassembled, except to clean the filter in accordance with the manufacturer's instructions.

NOTE — Valves suspected of being defective should be returned to the manufacturer for inspection, reconditioning and recalibration.

Proposed modification – Add new paragraph:

"Verify the correct flow rate through the valve in accordance with the procedure given in Annex A."

Proposed modification – Change the NOTE to a requirement:

"Valves that can not be adjusted to meet the requirements of the verification procedure, or those suspected of being otherwise defective, shall be returned to the manufacturer for recondition and recalibration."

Proposed modification – Add Annex A:

Annex A (normative)

Verification of the flow rate through the valve

A.1 Apparatus

A.1.1 Flow meter, calibrated in millilitres per minute and capable of reading within the range 500 ml/min to 900 ml/min.

A.1.2 Reference valve, with a flow rate calibration certificate for 700 ml/min.

A.2 Materials

A.2.1 Verification gas, comprising nitrogen, capable of being provided at a pressure of 275 kPa \pm 5 kPa at 21 °C.

A.3 Verification procedure

A.3.1 Connect the reference valve (A.1.2) to the nitrogen source and the flow meter (A.1.1).

A.3.2 Open the nitrogen source and the reference valve and check that the flow rate is 700 ml/min.

A.3.3 Shut off the nitrogen supply and replace the reference valve with the test valve (5.1).

A.3.4 Open the nitrogen source and the test valve and read the flow meter. For the valve to be functioning correctly, the flow rate shall be between 600 ml/min and 800 ml/min.

A.3.5 If the flow rate through the valve is outside the range 600ml/min to 800 ml/min, adjust the valve in accordance with the manufacturer's instructions.