



NSAI
Standards

Irish Standard
I.S. EN ISO 13758:1996&A1:2020

Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method (ISO 13758:1996)

I.S. EN ISO 13758:1996&A1:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN ISO 13758:1996/A1:2020

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN ISO 13758:1996&A1:2020 is the adopted Irish version of the European Document EN ISO 13758:1996, Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method (ISO 13758:1996)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 13758:1996/A1

February 2020

ICS 75.160.30

English Version

**Liquefied petroleum gases - Assessment of the dryness of
propane - Valve freeze method - Amendment 1 (ISO
13758:1996/Amd 1:2020)**

Gaz de pétrole liquéfiés - Évaluation de la siccité du
propane - Méthode de givrage de vanne - Amendement
1 (ISO 13758:1996/Amd 1:2020)

Flüssiggase - Prüfung auf Trockenheit von Propan -
Ventileinfrier-Verfahren (ISO 13758:1996/Amd
1:2020)

This amendment A1 modifies the European Standard EN ISO 13758:1996; it was approved by CEN on 17 February 2020.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 13758:1996/A1:2020 (E)

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European foreword

This document (EN ISO 13758:1996/A1:2020) has been prepared by Technical Committee ISO/TC 28 "Petroleum and related products, fuels and lubricants from natural or synthetic sources" in collaboration with Technical Committee CEN/TC 19 "Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin." the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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Endorsement notice

The text of ISO 13758:1996/Amd 1:2020 has been approved by CEN as EN ISO 13758:1996/A1:2020 without any modification.

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INTERNATIONAL STANDARD

**ISO
13758**

First edition
1996-12-15

AMENDMENT 1
2020-01

Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

AMENDMENT 1

*Gaz de pétrole liquéfiés — Évaluation de la siccité du propane —
Méthode de givrage de vanne*

AMENDEMENT 1



Reference number
ISO 13758:1996/Amd.1:2020(E)

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ISO 13758:1996/Amd.1:2020(E)



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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
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Foreword

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This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

AMENDMENT 1

Normative reference

Replace reference to ISO 4257:1988 with the following.

ISO 4257, *Liquefied petroleum gases — Method of sampling*

Clause 7

Add the following new Clause 7 and renumber all subsequent clauses and subclauses accordingly.

7 Apparatus verification

Verify the correct flow rate through the valve in accordance with the procedure given in Annex A. Valves that cannot 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.

Annex A

Add the following annex.

EUROPEAN STANDARD

EN ISO 13758

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1996

ICS 75.160.30

Descriptors: petroleum products, hydrocarbons, liquefied petroleum gases, propanes, tests, determination, drying

English version

**Liquefied petroleum gases - Assessment of the
dryness of propane - Valve freeze method
(ISO 13758:1996)**

Gaz de pétrole liquéfiés - Evaluation de la
siccité du propane - Méthode de givrage de
vanne (ISO 13758:1996)

This European Standard was approved by CEN on 1996-11-25. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard ISO 13758:1996 has been prepared by Technical Committee ISO/TC 28 "Petroleum products and lubricants" in collaboration with Technical Committee CEN/TC 19 "Petroleum products, lubricants and related products", the secretariat of which is held by NNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 13758:1996 was approved by CEN as a European Standard without any modification.

INTERNATIONAL STANDARD

ISO
13758

First edition
1996-12-15

Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

*Gaz de pétrole liquéfiés — Évaluation de la siccité du propane — Méthode
de givrage de vanne*



Reference number
ISO 13758:1996(E)

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 13758 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@isocs.iso.ch
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

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Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method

WARNING — The use of this International Standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard describes a procedure for the assessment of whether liquefied petroleum gas (LPG) hydrocarbons consisting predominantly of propane and/or propene are sufficiently dry to avoid malfunctions in pressure-reducing systems installed in domestic, industrial and automotive LPG applications.

The test is normally used as a functional pass/fail test in which the behaviour of the product is assessed in a specially designed and calibrated regulator valve.

NOTES

- 1 If excessive dissolved water is contained in the LPG under test, it will cause freezing and blockage of a test regulator valve, which is an indication that the product could cause malfunctions in commercial pressure-reducing systems.
- 2 If the product under test contains an antifreeze agent, the time taken for the test valve to freeze is not necessarily a function of dryness, but may provide an indication of the tendency of the product to cause freezing in pressure-reducing regulators under service conditions.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4257:1988, *Liquefied petroleum gases — Method of sampling*.

3 Definition

For the purposes of this International Standard, the following definition applies:

3.1 valve freeze time; freeze-off time: Time, in seconds, from the start of the test until the test product ceases to flow through a standard test valve under specified conditions.

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