



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 14678-2:2007+A1:2012



National Foreword

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English Version

LPG equipment and accessories - Construction and
performance of LPG equipment for automotive filling stations -
Part 2: Components other than dispensers and installation
requirements

Équipements pour GPL et leurs accessoires - Construction
et caractéristiques des équipements GPL dans les stations-
service - Partie 2: Composants autres que les distributeurs,
et exigences d'installation

Flüssiggas-Geräte und Ausrüstungsteile - Bau- und
Arbeitsweise von Flüssiggas-Geräten für Autogas-
Tankstellen - Teil 2: Bauteile, außer Zapfsäulen, und
Anforderungen an die Aufstellung

This European Standard was approved by CEN on 11 August 2007 and includes Amendment 1 approved by CEN on 26 December 2011.

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Foreword

This document (EN 14678-2:2007+A1:2012) has been prepared by Technical Committee CEN/TC 286 “Liquefied petroleum gas equipment and accessories”, the secretariat of which is held by NSAI.

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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1 approved by CEN on 2011-12-26.

This document supersedes EN 14678-2:2007.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** and **A1**.

EN 14678, *LPG equipment and accessories — Construction and performance of LPG equipment for automotive filling stations* consists of the following parts:

Part 1: Dispensers

Part 2: Components other than dispensers, and installation requirements

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard covers the installation requirements, on fixed LPG filling stations and on multi-fuel filling stations, for the automotive LPG equipment and components, which are required to safely dispense automotive LPG.

This European Standard does not cover on-site and off-site safety distances.

NOTE Users of this European Standard should be aware that National regulations may be in place covering all or some of the requirements of this European Standard. National regulations over-ride any requirement in this European Standard in the states where they apply.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 549, *Rubber materials for seals and diaphragms for gas appliances and gas equipment*

EN 751-2, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water — Part 2: Non-hardening jointing compounds.*

EN 751-3, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water — Part 3: Unsintered PTFE tapes*

EN 837-1, *Pressure gauges — Part 1: Bourdon tube pressure gauges — Dimensions, metrology, requirements and testing*

EN 1092-1, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 1: Steel flanges*

EN 1983, *Industrial valves — Steel ball valves*

EN 10226-1, *Pipe threads where pressure tight joints are made on the threads — Part 1: Taper external threads and parallel internal threads — Dimensions, tolerances and designation*

EN 12542, *LPG equipment and accessories — Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m³ — Design and manufacture*

EN 13445 (all parts), *Unfired pressure vessels*

EN 13463-1, *Non-electrical equipment for potentially explosive atmospheres — Part 1: Basic methodology and requirements.*

CEN/TS 13547, *Industrial valves — Copper alloy ball valves*

EN 13709, *Industrial valves — Steel globe and globe stop and check valves*

EN 13789, *Industrial valves — Cast iron globe valves*

EN 14570, *Equipping of LPG tanks overground and underground*

EN 14678-1:2006, *LPG equipment and accessories — Construction and performance of LPG equipment for automotive filling stations — Part 1: Dispensers*