



**NSAI**  
Standards

Irish Standard  
I.S. EN 16125:2015

# LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase

**I.S. EN 16125:2015**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 16125:2015 is the adopted Irish version of the European Document EN 16125:2015, LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD

EN 16125

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2015

ICS 23.040.01

English Version

## LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase

Equipements pour GPL et leurs accessoires - Systèmes de canalisations et supports - Phase liquide et phase vapeur

Flüssiggas-Geräte und Ausrüstungsteile - Rohrleitungssysteme und -befestigungen - Flüssigphase und unregelmäßige Gasphase von Flüssiggas (LPG)

This European Standard was approved by CEN on 31 October 2015.

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 CEN-CENELEC Management Centre or to any CEN member.

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<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>9</b>
<b>4 Design safety considerations</b> .....	<b>11</b>
<b>4.1 General</b> .....	<b>11</b>
<b>4.2 Environmental considerations</b> .....	<b>11</b>
<b>4.3 Operating conditions</b> .....	<b>12</b>
<b>4.4 Protection against hazards</b> .....	<b>12</b>
<b>4.4.1 Protection against mechanical damage</b> .....	<b>12</b>
<b>4.4.2 Resistance to corrosive substances and atmospheres</b> .....	<b>12</b>
<b>4.4.3 Protection against condensation</b> .....	<b>12</b>
<b>5 Materials</b> .....	<b>14</b>
<b>5.1 Environmental</b> .....	<b>14</b>
<b>5.2 General</b> .....	<b>14</b>
<b>5.3 Accessories</b> .....	<b>14</b>
<b>5.3.1 General</b> .....	<b>14</b>
<b>5.3.2 Gaskets and ring joints</b> .....	<b>14</b>
<b>5.3.3 Valves and fittings</b> .....	<b>14</b>
<b>5.4 Lubricants, sealants and adhesives</b> .....	<b>15</b>
<b>6 Design</b> .....	<b>15</b>
<b>6.1 General</b> .....	<b>15</b>
<b>6.2 LPG pipework installation technical documentation</b> .....	<b>15</b>
<b>6.3 Measuring instruments</b> .....	<b>15</b>
<b>6.4 Over Pressure protection</b> .....	<b>15</b>
<b>6.5 Above-ground pipework</b> .....	<b>16</b>
<b>6.5.1 Clearance above ground</b> .....	<b>16</b>
<b>6.5.2 Pipework separation distances from above-ground electrical services</b> .....	<b>16</b>
<b>6.5.3 Ventilation of concealed piping</b> .....	<b>17</b>
<b>6.5.4 Pipe supports</b> .....	<b>17</b>
<b>6.6 Underground pipes</b> .....	<b>18</b>
<b>6.6.1 General</b> .....	<b>18</b>
<b>6.6.2 Underground pipe separation distances</b> .....	<b>19</b>
<b>6.7 Pipework loading</b> .....	<b>19</b>
<b>6.8 Equipotential bonding</b> .....	<b>19</b>
<b>7 Identification and corrosion protection of above-ground pipework</b> .....	<b>20</b>
<b>7.1 Corrosion protection</b> .....	<b>20</b>
<b>7.2 Colour coding</b> .....	<b>20</b>
<b>7.3 Reflectivity</b> .....	<b>20</b>
<b>8 Welded pipes and fittings</b> .....	<b>23</b>
<b>8.1 General</b> .....	<b>23</b>
<b>8.2 Competency</b> .....	<b>24</b>
<b>8.3 Inspection of welds</b> .....	<b>24</b>
<b>8.4 Testing personnel</b> .....	<b>24</b>
<b>8.5 Acceptance criteria</b> .....	<b>25</b>
<b>8.6 Repairing welds</b> .....	<b>25</b>
<b>8.7 Brazed copper joints</b> .....	<b>25</b>

<b>9</b>	<b>Inspection and documentation</b> .....	<b>25</b>
<b>9.1</b>	<b>General</b> .....	<b>25</b>
<b>9.2</b>	<b>Inspection and testing of corrosion protection</b> .....	<b>26</b>
<b>9.2.1</b>	<b>Coatings on underground pipework</b> .....	<b>26</b>
<b>9.2.2</b>	<b>Above-ground pipework protection</b> .....	<b>26</b>
<b>9.2.3</b>	<b>Recording of test results</b> .....	<b>26</b>
<b>10</b>	<b>Testing</b> .....	<b>26</b>
<b>10.1</b>	<b>General</b> .....	<b>26</b>
<b>10.2</b>	<b>Test media</b> .....	<b>26</b>
<b>10.3</b>	<b>Strength testing</b> .....	<b>27</b>
<b>10.3.1</b>	<b>General</b> .....	<b>27</b>
<b>10.3.2</b>	<b>Test Procedure</b> .....	<b>27</b>
<b>10.3.3</b>	<b>Test pressure and duration</b> .....	<b>28</b>
<b>10.3.4</b>	<b>Acceptance criteria</b> .....	<b>28</b>
<b>10.3.5</b>	<b>Repairs and retest</b> .....	<b>28</b>
<b>10.4</b>	<b>Leak testing</b> .....	<b>28</b>
<b>10.4.1</b>	<b>General</b> .....	<b>28</b>
<b>10.4.2</b>	<b>Gauge Selection</b> .....	<b>28</b>
<b>10.4.3</b>	<b>Test pressure and duration</b> .....	<b>28</b>
<b>10.4.4</b>	<b>Test media</b> .....	<b>29</b>
<b>10.4.5</b>	<b>Acceptance criteria</b> .....	<b>29</b>
<b>10.4.6</b>	<b>Repairs and retest</b> .....	<b>29</b>
<b>11</b>	<b>Commissioning</b> .....	<b>29</b>
<b>12</b>	<b>Maintenance</b> .....	<b>29</b>
<b>Annex A (informative)</b>	<b>Pipe sizing – liquid phase</b> .....	<b>30</b>
<b>A.1</b>	<b>General</b> .....	<b>30</b>
<b>A.2</b>	<b>Viscosity of LPG</b> .....	<b>30</b>
<b>A.3</b>	<b>Calculation of liquid velocity flow in pipework</b> .....	<b>30</b>
<b>A.4</b>	<b>Calculation of Reynolds number</b> .....	<b>31</b>
<b>A.5</b>	<b>Liquid flow capacity and pressure drop in pipework</b> .....	<b>31</b>
<b>A.6</b>	<b>Liquid flow capacity and pressure drop through valves and fittings</b> .....	<b>32</b>
<b>Annex B (informative)</b>	<b>Pipe sizing – gas phase</b> .....	<b>37</b>
<b>B.1</b>	<b>General</b> .....	<b>37</b>
<b>B.2</b>	<b>Calculation of full vapour flow and pressure drop in pipes</b> .....	<b>37</b>
<b>B.3</b>	<b>Vapour flow capacity and pressure drop through valves and fittings</b> .....	<b>37</b>
<b>B.4</b>	<b>Gas velocity</b> .....	<b>37</b>
<b>Annex C (informative)</b>	<b>Pipework Integrity Management Systems (PIMS)</b> .....	<b>38</b>
<b>C.1</b>	<b>Pipework Integrity Management</b> .....	<b>38</b>
<b>C.2</b>	<b>Basic PIMS for LPG plants</b> .....	<b>38</b>
<b>C.3</b>	<b>Assessment of condition</b> .....	<b>38</b>
<b>C.4</b>	<b>Response (remedial action/ future monitoring or inspection)</b> .....	<b>38</b>
<b>C.5</b>	<b>Frequency of inspection and maintenance</b> .....	<b>39</b>
<b>Annex D (informative)</b>	<b>Environmental checklist</b> .....	<b>40</b>
<b>Annex E (informative)</b>	<b>Manufacturing and type testing of composite pipes</b> .....	<b>41</b>
<b>E.1</b>	<b>General</b> .....	<b>41</b>
<b>E.2</b>	<b>Materials</b> .....	<b>41</b>
<b>E.3</b>	<b>Physical properties</b> .....	<b>42</b>
<b>E.4</b>	<b>Manuals</b> .....	<b>42</b>
<b>E.5</b>	<b>Records</b> .....	<b>43</b>
	<b>Bibliography</b> .....	<b>44</b>

## **EN 16125:2015 (E)**

### **European foreword**

This document (EN 16125:2015) has been prepared by Technical Committee CEN/TC 286 “LPG 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 June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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.

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, Former Yugoslav Republic of Macedonia, 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.



## **Introduction**

This European Standard calls for the use of substances and procedures that may be injurious to health and/or the environment if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations at any stage.

This European Standard is intended for users who take on the responsibility for the assembly of the pipework on site.

Protection of the environment is a key political issue in Europe and elsewhere. Protection of the environment is taken in a very broad sense, as in the total life cycle aspects of, e.g. a product on the environment, including expenditure of energy and during all phases from mining of raw materials, fabrication, packaging, distribution, use, scrapping, recycling of materials, etc.

NOTE 1 Annex D indicates which clauses in this standard addresses environmental issues.

It is recommended that manufacturers develop an environmental management policy. For guidance see the ISO 14001 [9]. It has been assumed in the drafting of this European Standard that the execution of its provisions is entrusted to appropriately qualified and experienced people.

All pressures are gauge unless otherwise stated.

NOTE 2 This standard requires measurement of material properties, dimensions and pressures. All such measurements are subject to a degree of uncertainty due to tolerances in measuring equipment etc. It may be beneficial to refer to the leaflet “measurement uncertainty leaflet (SP INFO 2000 27 uncertainty.pdf)”.

**EN 16125:2015 (E)****1 Scope**

This European Standard specifies the requirements for the design, construction, testing, commissioning, operation and maintenance of LPG pipework in both the liquid phase and at full vapour pressure.

This European Standard is applicable to LPG pipework having a maximum allowable pressure of less than or equal to 25 bar.

This European Standard is applicable to new LPG pipework as well as to replacements of, or extensions to, existing LPG pipework.

This European Standard is not applicable to:

- pipelines and their accessories;
- pipework for the propulsion systems of road vehicles or boats; and
- pipework on ships.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 751-1, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 1: Anaerobic jointing compounds*

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 (all parts), *Pressure gauges*

EN 1045, *Brazing - Fluxes for brazing - Classification and technical delivery conditions*

EN 1057, *Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications*

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

EN 1254-1, *Copper and copper alloys - Plumbing fittings - Part 1: Fittings with ends for capillary soldering or capillary brazing to copper tubes*

EN 1254-2, *Copper and copper alloys - Plumbing fittings - Part 2: Fittings with compression ends for use with copper tubes*

EN 1254-5, *Copper and copper alloys - Plumbing fittings - Part 5: Fittings with short ends for capillary brazing to copper tubes*

EN 1515-1, *Flanges and their joints - Bolting - Part 1: Selection of bolting*

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