



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 15202:2006

ICS 23.060.40

**LPG EQUIPMENT AND ACCESSORIES -
ESSENTIAL OPERATIONAL DIMENSIONS FOR
LPG CYLINDER VALVE OUTLET AND
ASSOCIATED EQUIPMENT CONNECTIONS**

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EUROPEAN STANDARD
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English Version

**LPG equipment and accessories - Essential operational
dimensions for LPG cylinder valve outlet and associated
equipment connections**

Équipements pour GPL et leurs accessoires - Dimensions
opérationnelles essentielles des connexions des robinets et
valves de bouteilles de GPL et des équipements associés

Flüssiggas-Geräte und Ausrüstungsteile - Grundmaße für
Ventilanschlüsse an Flüssiggas-(LPG-)Flaschen und
zugehörige Verbindungen für Geräte

This European Standard was approved by CEN on 21 October 2006.

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.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, 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 and United Kingdom.



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Contents	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Symbols and abbreviations	5
5 Design	5
6 Connections in use.....	38
7 Unsafe connections.....	38
8 Connecting torque	38
9 Marking	38
Annex A (informative) Connections by country	39
Annex B (informative) Unsafe connections	42
Bibliography	43

Foreword

This document (EN 15202:2006) 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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, 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 and United Kingdom.

EN 15202:2006 (E)

1 Scope

This European Standard specifies basic dimensions of cylinder valves (manufactured in accordance with EN 13152 and EN 13153) and connectors (including regulators) to enable them to be connected together.

This European Standard lists connections where it may be possible to connect together, but which when connected may not be sound or secure in some operating conditions or orientations.

This European Standard also recommends tightening torques for the attachment of screwed metal-to-metal connections.

This European Standard contains the drawings, which describe direct cylinder valve connections in the following standards:

- EN 12864,
- EN 13785, and
- EN 13786.

Quality assurance systems, production testing and particularly certificates of conformity are not covered in this standard.

This European Standard excludes connections for automotive vehicles covered by UN/ECE Regulation 67 and EN 13760 and excludes connections for cartridges.

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 560, *Gas welding equipment – Hose connections for equipment for welding, cutting and allied processes*

EN ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation (ISO 228-1:2000)*

ISO 68-1, *ISO general purpose screw threads — Basic profile — Part 1: Metric screw threads*

ISO 3601-1, *Fluid power systems - O-rings - Part 1: Inside diameters, cross-sections, tolerances and size identification code*

DIN 477-1, *Gas cylinder valves rated for test pressures up to 300 bar; types, sizes, and outlets*

ANSI/CGA V-1 *American National, Compressed Gas Association Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections*

ANSI/ASME/B1.5, *ACME Screw Threads issued by American Society of Mechanical Engineers 1990*

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