



# ***IGEM Standards***

***February 2020v3***



*Founded 1863  
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Since the 1960s, IGEM has published technical Standards that are now recognised as trusted industry

Standards, used to assist in compliance with national legislation and official approved codes of practice and guidance. IGEM Standards relate to aspects of the Pipelines Safety Regulations; Pressure Systems Safety Regulations; Gas Safety (Management) Regulations; Gas Safety (Installation and Use) Regulations; Dangerous Substances and Explosive Atmospheres Regulations; Reporting of Injuries, Diseases and Dangerous Occurrences Regulations; Building Regulations; Health and Safety at Work etc.

Act; Management of Health and Safety at Work Regulations; Pressure Equipment Regulations, Electricity at Work Regulations and so on.

The Standards are drafted by expert Panels representing a cross-section of the relevant parts of the gas industry. Regulatory bodies such as HSE, Ofgem and Gas Safe Register contribute to the drafting process. The drafts are issued to the industry and other stakeholders for review and comment prior to publication and, thus, take into account the sometimes broad range of views on the content. The professional status of IGEM ensures its Standards reflect the best possible levels of safety, practice and quality within reasonable cost.

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## ABOUT THIS LIST

The list uses the following terms:

**Edition X** Where an edition number is stated, the previous edition is superseded i.e. not current and is obsolete.

**Set of Amendments** The edition is issued with separate amendments to bring it up to date. These amendments are issued with every Standard purchased but, where this was purchased prior to issue of amendments, they are available for downloading from the IGEM website at [www.igem.org.uk](http://www.igem.org.uk) or by email to [technical@igem.org.uk](mailto:technical@igem.org.uk).

**Reprint with Amendments** The edition has been reprinted to contain amendments (and enhancements If applicable). Owners of the previous version of the same edition will have to insert amendments (see above) to bring that version up to date. It is not essential to insert enhancements.

**Nth** Refers to a re-print with enhancements. Previous impressions remain current.

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## IGEM STANDARDS

ITEM and EDITION	TITLE (COMMUNICATION NO.)	DATE	STANDARD 2020 PRICE £	MEMBER/IA 2020 PRICE £
<b>TRANSMISSION AND DISTRIBUTION</b>				
IGEM/TD/1 Ed 5 with Amendments July 2016	Steel pipelines for high pressure gas transmission (1789)	2016	350	234.50
IGEM/TD/1 Ed 5 Supp 1 Ed 2	Handling, transport and storage of steel pipe, bends and fittings (1825)	2018	90	60.30
IGEM/TD/2 Ed 2 with Amendments July 2015	Assessing the risks from high pressure Natural Gas pipelines (1779)	2015	150	100.50
IGEM/TD/3 Ed 5	Steel and PE pipelines for gas distribution (1770)	2014	230	154.10
IGEM/TD/4 Ed 4 with Amendments November 2013	PE and steel gas services and service pipework (1725)	2013	230	154.10
IGEM/TD/12 Ed 2 Reprint with Amendments 2012	Pipework stress analysis for gas industry plant (1757)	2012	190	127.30
IGEM/TD/13 Ed 2	Pressure regulating installations for Natural Gas, Liquefied Petroleum Gas and Liquefied Petroleum Gas/Air (1755)	2011	300	201.00
IGEM/TD/16 Ed 2	Biomethane injection (1833)	2019	120	80.40
IGEM/TD/17	Steel and PE pipelines for biogas distribution (1769)	2014	90	63.30
IGEM/TD/19	Reinforced thermoplastic pipelines for high pressure gas transmission (1812)	2019	115	77.05
IGEM/TD/101 Ed 3	Adoption of pipe systems by a GT – management of UIP activities (1802)	2018	115	77.05
IGEM/TD/102	Competence framework (1761)	2012	115	77.05
<b>GAS MEASUREMENT</b>				
IGEM/GM/4 Ed 3	Flowmetering practices. Inlet pressure exceeding 38 bar and not exceeding 100 bar (1815)	2019	220	147.40
IGEM/GM/5 Ed 3	Electronic gas meter volume conversion systems (1730)	2008	140	93.80
IGEM/GM/6 Ed 2	Non-domestic meter installations. Standard designs (1750)	2011	220	147.40
IGEM/GM/7A Ed 2	Electrical connections for gas metering equipment (1803)	2018	120	80.40
IGEM/GM/7B Ed 2	Hazardous area classification for gas metering equipment (1804)	2018	155	103.85
IGEM/GM/8 Part 1 Ed 2	Non-domestic meter installations: Flow rate exceeding 6 m <sup>3</sup> h <sup>-1</sup> and inlet pressure not exceeding 38 bar Design (1795)	2016	230	154.10
IGEM/GM/8 Part 2 Ed 2	Locations, housings and compounds (1796)	2016	115	77.05
IGEM/GM/8 Part 3 Ed 2	Fabrication, installation, testing and commissioning (1797)	2016	140	93.80
IGEM/GM/8 Part 4 Ed 2	Operation and maintenance (1798)	2016	115	77.05
IGEM/GM/8 Part 5 Ed 2	Notices and labels (1799)	2016	115	77.05
IGEM/GM/PRS/1	Meter Installation fittings (1793)	2017	130	87.10
IGEM/GM/PRS/3	Meter Regulators for gas flow rates not exceeding 6m <sup>3</sup> h <sup>-1</sup> and inlet pressures not exceeding 75 mbar (1805)	2017	85	56.95
IGEM/GM/PRS/6	Meter connectors (1794)	2016	105	70.35
IGEM/GM/PRS/28	Medium pressure single-stage regulators for gas flow rates not exceeding 6m <sup>3</sup> h <sup>-1</sup> (1791)	2016	115	77.05
IGEM/GM/PRS/29	Medium pressure two-stage meter regulators for gas flow rates not exceeding 6m <sup>3</sup> h <sup>-1</sup> (1790)	2016	115	77.05
IGEM/GM/PRS/33	Meter regulators of nominal diameter 32mm (1 1/4 inch) and not exceeding 150mm (6 inch) and for inlet pressures not exceeding 75 mbar (1792)	2016	85	56.95
IGEM/GM/PRS/40	Medium pressure meter installation kits for flow rates not exceeding 6 m <sup>3</sup> h <sup>-1</sup> (1807)	2019	105	70.35
IGEM/GM/PRS/41	Low pressure meter installation kits (1808)	2019	85	56.95
IGEM/GM/PRS/50	Meter and converter serial numbering and model names (1811)	2019	85	56.95

UTILISATION				
<b>IGE/UP/1 Ed 2 Reprint with Amendments March 2005</b>	Strength testing, tightness testing and direct purging of industrial and commercial gas installations (1716) Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2005	160	107.20
<b>IGE/UP/1A Ed 2 Reprint with Amendments March 2005</b>	Strength and tightness testing and direct purging of small low pressure industrial and commercial Natural Gas installations (1717) Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2005	130	87.10
<b>IGEM/UP/1B Ed 3 with Amendments October 2012</b>	Tightness testing and direct purging of small Liquefied Petroleum Gas/Air, Natural Gas and Liquefied Petroleum Gas installations. (1759). Set of amendments issued 2012 Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2012	150	100.50
<b>IGEM/UP/1C</b>	Strength testing, tightness testing and direct purging of Natural Gas and LPG meter installations (1751)	2011	120	80.40
<b>IGEM/UP/2 Ed 3</b>	Installation pipework on industrial and commercial premises (1771)	2014	290	194.30
<b>IGEM/UP/3 Ed 3</b>	Gas fuelled spark ignition and dual fuel engines (1781)	2015	140	93.80
<b>IGEM/UP/4 Ed 4</b>	Commissioning of gas fired plant on industrial and commercial premises (1801)	2016	90	60.30
<b>IGEM/UP/6 Ed 2</b>	Application of compressors to Natural Gas fuel systems (1741)	2009	140	93.80
<b>IGE/UP/7 Ed 2 with Amendments October 2008</b>	Gas installations in timber framed and light steel framed buildings (1722). Set of amendments issued 2008. <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2006	140	93.80
<b>IGE/UP/9 Ed 2</b>	Application of Natural Gas and fuel oil systems to gas turbines and supplementary and auxiliary fired burners (1705)	2004	140	93.80
<b>IGEM/UP/10 Ed 4 with Amendments March 2016 and February 2017</b>	Installation of flued gas appliances in industrial and commercial premises (1800) Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2017	210	140.70
<b>IGEM/UP/11 Ed 3</b>	Gas installations for educational establishments (1821)	2018	120	80.40
<b>IGEM/UP/12 Ed 2</b>	Application of burners and controls to gas fired process plant (1778)	2015	200	134.00
<b>IGEM/UP/16 with Amendments August 2013</b>	Design for Natural Gas installations on industrial and commercial premises with respect to hazardous area classification and preparation of risk assessments (1756). Set of amendments issued 2013	2011	140	93.80
<b>IGEM/UP/17 Edition 2</b>	Shared chimney and flue systems for domestic gas appliances (1826)	2018	150	100.50
<b>IGEM/UP/18</b>	Gas installations for vehicle repair and body shops (1758)	2012	90	60.30
<b>IGEM/UP/19 with Amendments January 2015</b>	Design and application of interlock devices and associated systems used with gas appliance installations in commercial catering establishments (1777). Set of amendments issued 2015 Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2015	120	80.40
<b>IGEM/UP/20</b>	CNG Fuelling Stations (1775)	2014	145	97.15
GAS LEGISLATION				
<b>IGE/GL/1 Ed 2</b>	Planning of gas distribution systems of MOP not exceeding 16 bar (1718)	2005	120	80.40
<b>IGEM/GL/2 Ed 3</b>	Planning of transmission and storage systems operating at pressures exceeding 16 bar (1816)	2018	90	60.30
<b>IGEM/GL/4 Ed 3</b>	Gas system assets – safety management system (1820)	2018	120	80.40
<b>IGEM/GL/5 Ed 3</b>	Procedures for managing new works, modifications and repairs (1783)	2015	105	70.35
<b>IGEM/GL/6 Ed 3</b>	Safe Control of Operations for Gas Networks (1814)	2018	140	93.80
<b>IGEM/GL/8 Ed 3</b>	Reporting and investigation of gas related-incidents (1776)	2014	140	93.80
GENERAL				
<b>IGEM/G/1 Ed 2</b>	Defining the end of the Network, a meter installation and installation pipework (1765). <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2013	115	77.05
<b>IGEM/G/5 Ed 2</b>	Gas installations in multi-occupancy buildings (1762)	2012	195	130.65
<b>IGEM/G/6</b>	Gas supplies to mobile dwellings (1728)	2009	115	77.05
<b>IGEM/G/7</b>	Risk assessment techniques (1655)	2016	165	110.55
<b>IGEM/G/8</b>	Handling, transport and storage of PE pipe and fittings (1749)	2010	115	77.05
<b>IGEM/G/10</b>	Non-return valves (1785)	2016	85	56.95
<b>IGEM/G/11</b>	Gas Industry Unsafe Situations Procedure. <b>Hard copy of this document is available at <a href="https://gassafetyshop.co.uk/">https://gassafetyshop.co.uk/</a></b>	2018	50	50
<b>IGEM/G/11</b>	Gas Industry Unsafe Situations Procedure <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2018	FREE	FREE

<b>SAFETY</b>				
<b>IGEM/SR/4 Ed 3</b>	Variable volume gasholders storing lighter than air gases (1752)	2011	170	113.90
<b>IGEM/SR/14 Ed 2</b>	Fixed volume storage for lighter than air gases (1742)	2010	140	93.80
<b>IGEM/SR/15 Ed 5 with Amendments November 2015</b>	Integrity of safety-related systems in the gas industry (1746). Set of amendments issued 2015 Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a>	2015	155	103.85
<b>IGEM/SR/16 Ed 2</b>	Odorant systems for gas transmission and distribution (1734)	2008	115	77.05
<b>IGEM/SR/18 Ed 3</b>	Safe working practices to ensure the integrity of gas assets and associated installations (1828)	2019	90	60.30
<b>IGE/SR/22 2<sup>nd</sup> Impression</b>	Purging operations for fuel gases in transmission, distribution and storage (1625)	1999	120	80.40
<b>IGE/SR/23 2<sup>nd</sup> Impression</b>	Venting of Natural Gas (1623)	1995	120	80.40
<b>IGEM/SR/25 Ed 2 with Amendments</b>	Hazardous area classification of Natural Gas installations (1748). Set of amendments issued 2013	2013	245	164.15
<b>IGEM/SR/28 Ed 2</b>	Trenchless techniques (1753)	2011	170	113.90
<b>IGEM/SR/29 Ed 2</b>	Dealing with gas escapes (1827)	2019	115	77.05
<b>INDUSTRY GUIDANCE</b>				
<b>IGEM/UP/1101</b>	Guidance on gas installations for the management and staff within educational establishments (1745). <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2010	25	16.75
<b>IGEM/IG/1</b>	Standards of training in gas work (1767). <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2014	30	20.10
<b>IGEM/IG/1 Supplement 1</b>	Non domestic training specification (1788). <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2016	30	20.10
<b>IGEM/IG/2</b>	Catering equipment engineers guide to relevant sections of IGE/UP/19 (1772). <b>Download for free at <a href="http://www.igem.org.uk">www.igem.org.uk</a></b>	2014	25	16.75
<b>ONSITE GUIDES</b>				
<b>NICEIC</b>	Domestic gas safety onsite guide- part 1 and 2 V4	2019	48	48
<b>NICEIC</b>	Non-Domestic gas safety onsite guide part1 and 2 V5	2019	48	48
<b>CERTIFICATES OF STRENGTH AND TIGHTNESS TESTING AND DIRECT PURGING TO IGE/UP/1 EDITION 2 AND IGE/UP/1A EDITION 2 (shrink wrapped pads of 25 triplicate certificates)</b>				
<b>StT/UP/1A</b>	Certificate of strength testing for IGE/UP/1A	2004	25	16.75
<b>TT/UP/1A</b>	Certificate of tightness testing for IGE/UP/1A	2004	25	16.75
<b>DP/UP/1A</b>	Certificate of direct purging for IGE/UP/1A	2004	25	16.75
<b>StT/UP/1</b>	Certificate of strength testing for IGE/UP/1	2004	25	16.75
<b>TT/UP/1</b>	Certificate of tightness testing for IGE/UP/1	2004	25	16.75
<b>DP/UP/1</b>	Certificate of direct purging for IGE/UP/1	2004	25	16.75

Ed = Edition.      Imp = Impression.      Supp = Supplement.

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IGEM/TD/3 Ed 5		IGEM/GM/PRS/29		IGEM/UP/20		IGE/SR/23	
IGE/TD/4 Ed 4		IGEM/GM/PRS/33		IGEM/UP/1101		IGEM/SR/25 Ed 2	
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