IGEM Standards

July 2026

Founded 1863
Royal Charter 1929
Patron: His Majesty the King

For more information on IGEM Standards, please see our website; https://www.igem.org.uk/

ABOUT IGEM STANDARDS

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.

In general, IGEM Standards and guidance documents do not overlap the scope of British Standards (BS) but they do often mirror the scope of British European Standards (BS EN) adding much more detail in many cases. There is no intent to contradict other such standards, and it is IGEM's policy to ensure this does not occur.

IGEM's Standards and guidance documents are mostly available in hard copy. IGEM does also offer online access to the standards, the benefits of this service are:

- the Standards are always up to date
- search facility in the Standards is provided
- new publications onto the system are notified on the Home page
- the company does not have to manage a 'library'
- is accessible through the internet, so not confined to the office
- a help page is provided.

The price of this service is determined by what standards are required, for how many users.

In order to subscribe to the full service either apply online https://www.igem.org.uk/ or contact technicalenquiry@igem.org.uk for a quotation. The scopes for all of the standards are also available on the IGEM website https://www.igem.org.uk/technical-services/technical-standards/ .

All withdrawn Technical Standards are retained for reference and may be purchase on request.

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 for free from the IGEM website at www.igem.org.uk or by email to 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.

IGEM STANDARDS

ITEM and EDITION	TITLE (COMMUNICATION NO.)	DATE	STANDARD 2025 PRICE £	MEMBER/IA 2025 PRICE £
HYDROGEN				
IGEM/H/1 with amendments June 2022 and June 2023	Reference Standard for low pressure hydrogen utilisation (1877) **Download for free at www.igem.org.uk**	2023	FREE	FREE
TRANSMISSION AND DISTRIBUTION				
IGEM/TD/1 Ed 6 with Amendments May 2024	Steel pipelines for high pressure gas transmission (1892)	2024	438.15	293.56
IGEM/TD/1 Ed 5 Supplement 1 Ed 2	Holding, transport and storage of steel pipe (1825)	2018	111.94	75.00
IGEM/TD/1 Ed 6 Supplement 2	High pressure Hydrogen pipelines (1849)	2021	123.66	79.65
IGEM/TD/2 Ed 3	Assessing the risks from high pressure Natural Gas pipelines (1895)	2024	190.82	127.85
IGEM/TD/3 Ed 6	Steel and PE pipelines for gas distribution (1888)	2015	289.97	194.28
IGEM/TD/3 Ed 5 Supplement 1	Repurposing of Natural Gas (NG) pipelines with MOP not exceeding 7 bar for NG/Hydrogen blends (1856)	2022	123.66	82.85
IGEM/TD/4 Ed 5 with amendments March 2025	PE and steel gas services and service pipework (1902)	2025	291.03	194.99
IGEM/TD/12 Ed 3	Pipework stress analysis for gas industry plant (1834)	2021	240.93	161.42
IGEM/TD/13 Ed 3	Pressure regulating and exceeding 7 bar pipeline installations' (1872)	2023	376.32	252.13
IGEM/TD/13 Ed 3 Supplement 1	Pressure regulating installations for hydrogen at pressures exceeding 7 bar (1889)	2024	123.66	82.85
IGEM/TD/13 Ed 3 Supplement 2	Pressure regulating installations (PRIs) for new and repurposing of existing PRIs for transmission of Natural Gas/Hydrogen blends for pressures not exceeding 7 bar (1890)	2024	123.66	82.85
IGEM/TD/16 Ed 2	Biomethane injection (1833)	2019	155.64	104.28
IGEM/TD/17	Steel and PE pipelines for biogas distribution (1769)	2014	108.15	72.10
IGEM/TD/19	Reinforced thermoplastic pipelines for high pressure gas transmission (1812)	2019	147.11	98.56
IGEM/TD/21	Reference Standard for Hydrogen distribution for new steel and PE mains and services (1879)	2023	214.28	143.57
IGEM/TD/22	Reference Standard for repurposing Natural Gas distribution mains and services for Hydrogen (1884)	2023	144.98	97.14
IGEM/TD/23	Reference Standard Hydrogen pressure regulating installations not exceeding 7 bar (1885)	2024	376.32	252.13
IGEM/TD/101 Ed 4	Adoption of pipe systems by a GT- management of GT and UIP activities (1908)	2026	147.11	98.56
GAS MEASUREMENT				
IGEM/GM/4 Ed 3	Flowmetering practices. Inlet pressure exceeding 38 bar and not exceeding 100 bar (1815)	2019	278.24	186.42
IGEM/GM/5 Ed 4	Electronic gas meter volume conversion systems (1817)	2023	179.10	120.00
IGEM/GM/6 Ed 3	Non-domestic meter installations. Standard designs (1864)	2022	278.24	186.42
IGEM/GM/7A Ed 2	Electrical connections for gas metering equipment (1803)	2018	155.64	104.28
IGEM/GM/7B Ed 2	Hazardous area classification for gas metering equipment (1804)	2018	197.22	132.14
IGEM/GM/8 Part 1 Ed 2	Non-domestic meter installations: Flow rate exceeding 6 m^3h^{-1} and inlet pressure not exceeding 38 bar Design (1795)	2016	278.24	186.42
IGEM/GM/8 Part 2 Ed 2	Locations, housings and compounds (1796)	2016	147.11	98.56
IGEM/GM/8 Part 3 Ed 2	Fabrication, installation, testing and commissioning (1797)	2016	179.10	120.00
IGEM/GM/8 Part 4 Ed 2	Operation and maintenance (1798)	2016	147.11	98.56
IGEM/GM/8 Part 5 Ed 2	Notices and labels (1799)	2016	147.11	98.56
IGEM/GM/PRS/1 with amendments June 2025	Meter Installation fittings (1896)	2025	166.30	111.42
IGEM/GM/PRS/3 with amendments July 2022	Meter Regulators for gas flow rates not exceeding 6$m^3 h^{-1}$ and inlet pressures not exceeding 75 mbar (1859)	2022	104.47	70.00

IGEM/GM/PRS/6	Meter connectors (1794)	2016	135.39	90.71
IGEM/GM/PRS/11	Purchasing specification for diaphragm gas meters (1853)	2024	119.4	74.16
IGEM/GM/PRS/28	Medium pressure single-stage regulators for gas flow rates not exceeding 6$m^3 h^{-1}$ (1791)	2016	147.11	98.56
IGEM/GM/PRS/29	Medium pressure two-stage meter regulators for gas flow rates not exceeding 6$m^3 h^{-1}$ (1790)	2016	147.11	98.56
IGEM/GM/PRS/33	Meter regulators of nominal diameter 32mm (11/4 inch) and not exceeding 150mm (6 inch) and for inlet pressures not exceeding 75 mbar (1792)	2016	104.47	70.00
IGEM/GM/PRS/40	Medium pressure meter installation kits for flow rates not exceeding 6 $m^3 h^{-1}$ (1807)	2019	147.11	98.56
IGEM/GM/PRS/41	Low pressure meter installation kits (1808)	2019	147.11	98.56
IGEM/GM/PRS/50	Meter and converter serial numbering and model names (1811)	2019	104.47	70.00
UTILISATION				
IGE/UP/1 Ed 2 Reprint with Amendments August 2005	Strength testing, tightness testing and direct purging of industrial and commercial gas installations (1716)	2005	202.55	135.71
IGE/UP/1A Ed 2 Reprint with Amendments August 2005	Strength and tightness testing and direct purging of small low pressure industrial and commercial Natural Gas installations (1717)	2005	166.30	111.42
IGEM/UP/1B Ed 3 with Amendments October 2012	Tightness testing and direct purging of small Liquefied Petroleum Gas/Air, Natural Gas and Liquefied Petroleum Gas installations. (1759). Set of amendments issued 2012	2012	190.82	127.85
IGEM/UP/1C	Strength testing, tightness testing and direct purging of Natural Gas and LPG meter installations (1751)	2011	155.64	104.28
IGEM/UP/2 Ed 4	Installation pipework on industrial and commercial premises (1893)	2025	369.92	247.85
IGEM/UP/3 Ed 3	Gas fuelled spark ignition and dual fuel engines (1781)	2015	179.10	120.00
IGEM/UP/4 Ed 4	Commissioning of gas fired plant on industrial and commercial premises (1801)	2017	111.94	75.00
IGEM/UP/6 Ed 3	Application of compressors to Natural Gas fuel systems (1813)	2020	179.10	120.00
IGE/UP/7 Ed 2 with Amendments October 2008	Gas installations in timber framed and light steel framed buildings (1722). Set of amendments issued 2008. **Download for free at www.igem.org.uk**	2006	179.10	120.00
IGEM/UP/9 Ed 3	Application of Natural Gas and fuel oil systems to gas turbines and supplementary and auxiliary fired burners (1863)	2022	179.10	120.00
IGEM/UP/10 Ed 4 with Amendments March 2016 and February 2017	Installation of flued gas appliances in industrial and commercial premises (1800)	2017	264.38	177.13
IGEM/UP/11 Ed 3	Gas installations for educational establishments (1821)	2018	155.64	104.28
IGEM/UP/11 Ed 3 Supplement 1	Operation and management of gas installations within educational establishments (1845)	2022	30.92	20.72
IGEM/UP/12 Ed 3	Application of burners and controls to gas fired process plant (1873)	2023	253.72	170.00
IGEM/UP/16 Ed 2 Amendments November 2023	Design for Natural Gas installations on industrial and commercial premises with respect to DSEAR (1882) **The amendments may be Downloaded for free at www.igem.org.uk**	2023	147.11	98.56
IGEM/UP/17 Edition 2	Shared chimney and flue systems for domestic gas appliances (1826)	2018	190.87	127.88
IGEM/UP/18	Gas installations for vehicle repair and body shops (1758)	2012	110.87	74.28
IGEM/UP/19 Edition 2	Design and application of interlock devices and associated systems used with gas appliance installations in commercial catering establishments (1865).	2022	155.64	104.28
IGEM/UP/19 Edition 2 Supplement 1	Catering equipment engineers guide to relevant sections of IGEM/UP/19 (1876). **Download for free at www.igem.org.uk**	2024	FREE	FREE
IGEM/UP/20	CNG Fuelling Stations (1775)	2014	184.43	123.57
IGEM/UP/22	Whole lifecycle management of LNG vacuum insulated tanks in excess of 200 tonnes and operating above 500 mbar (1891)	2026		
GAS LEGISLATION				
IGEM/GL/1 Ed 3	Planning of gas distribution systems of MOP not exceeding 16 bar (1847)	2021	155.64	104.28
IGEM/GL/2 Ed 3	Planning of transmission and storage systems operating at pressures exceeding 16 bar (1816)	2018	111.94	75.00
IGEM/GL/4 Ed 3 - WITHDRAWN	Gas system assets – safety management system (1820)	2018		
IGEM/GL/5 Ed 3	Procedures for managing new works, modifications and repairs (1783)	2015	135.39	90.71

IGEM/GL/6 Ed 4	Safe Control of Operations for Gas Networks (1880)	2026	179.10	120.00
IGEM/GL/8 Ed 4	Reporting and investigation of gas related-incidents (1869)	2022	179.10	120.00
IGEM/GL/9 Ed 2	Guidance for large consumers in dealing with Natural Gas supply emergencies. (1806) **Download at www.igem.org.uk**	2018	FREE	FREE
GENERAL				
IGEM/G/0 Edition 2	A standard for IGEM standards (1842)	2022	FREE	FREE
IGEM/G/1 Edition 3	Defining the boundaries between the Network, primary met installation and installation pipework (1907) Download for free at www.igem.org.uk	2025	FREE	FREE
IGEM/G/4 Edition 3	Definitions for the gas industry (1920) Download for free at www.igem.org.uk	2026	FREE	FREE
IGEM/G/5 Edition 3 with amendments April 2023 and April 2026	Gas installations in multi-occupancy buildings (1911) **Amendments are available to download for free at www.igem.org.uk**	2026	246.26	165.00
IGEM/G/6 Edition 2	Gas supplies to mobile dwellings (1862)	2024	147.11	98.56
IGEM/G/7	Risk assessment techniques (1787)	2016	208.95	140.00
IGEM/G/8 Edition 2	Handling, transport and storage of PE pipe and fittings (1914)	2026	147.11	98.56
IGEM/G/10	Non-return valves (1785)	2016	104.47	70.00
IGEM/G/11 Edition 2 with amendments July 2019, July 2022 and July 2025	Gas Industry Unsafe Situations Procedure (1904). **Hard copy of this document is available at https://gassafetyshop.co.uk/**	2025	60	60
IGEM/G/11 Edition 2 with amendments July 2019, July 2022 and July 2025	Gas Industry Unsafe Situations Procedure (1904) **Download for free at www.igem.org.uk**	2025	FREE	FREE
IGEM/G/11 Supplement 1	Responding to domestic CO alarm activations/reports of fumes after attendance by the emergency service provider or the Liquefied Petroleum Gas supplier (1851) **Download for Free at www.igem.org.uk**	2022	FREE	FREE
IGEM/G/12	Universally adopted graphical symbols (1852)	2023	214.28	143.57
IGEM/G/13 with amendments August 2023	Domestic supply capacity and operating pressure at the outlet of the meter (1875) **Download for free at www.igem.org.uk**	2023	FREE	FREE
IGEM/G/14 (original version was IGEM/TD/102)	Competency framework (1886)	2024	147.11	98.56
SAFETY				
IGEM/SR/4 Ed 3 with amendments April 2013	Variable volume gasholders storing lighter than air gases (1752)	2011	216.41	145.00
IGEM/SR/14 Ed 2	Fixed volume storage for lighter than air gases (1742)	2010	179.10	120.00
IGEM/SR/15 Ed 5 with Amendments November 2015	Integrity of safety-related systems in the gas industry (1784). Set of amendments issued 2015	2015	197.22	132.14
IGEM/SR/16 Ed 2	Odorant systems for gas transmission and distribution (1734)	2008	147.11	98.56
IGEM/SR/18 Ed 3	Safe working practices to ensure the integrity of gas assets and associated installations (1828)	2019	111.94	75.00
IGEM/SR/22 Edition 2	Purging operations for fuel gases in transmission, distribution and storage (1901)	2025	155.64	104.28
IGE/SR/23 2nd Impression	Venting of Natural Gas (1623)	1995	155.64	104.28
IGEM/SR/25 Ed 2 with Amendments	Hazardous area classification of Natural Gas installations (1748). Set of amendments issued 2013	2013	308.09	206.42
IGEM/SR/25 Ed 2 with Amendments-Hydrogen Supplement 1	Hazardous area classification of installations using Hydrogen or blends of up to and including 20% by volume Hydrogen in Natural Gas (1871)	2022	182.29	122.13
IGEM/SR/28 Ed 2	Trenchless techniques (1753)	2011	214.28	143.57
IGEM/SR/29 Ed 3	Dealing with gas escapes (1906)	2025	147.11	98.56
INDUSTRY GUIDANCE				

For more information on IGEM Standards, please see our website; https://www.igem.org.uk/

IGEM/IG/1 Edition 2	Standards of training in gas work (1839). **Download for free at www.igem.org.uk**	2021	36.42	24.40
IGEM/IG/1 Edition 2 Supplement 1 Edition 2	Non-domestic training specification-Utilisation Sector (1909). **Download for free at www.igem.org.uk**	2026	Free	Free
IGEM/IG/1 Ed 2 Supplement 2	Domestic Natural Gas training specification (1846) **Download for free at www.igem.org.uk**	2022	121.05	81.10
IGEM/IG/1 Ed 2 Supplement 3	Metering/emergency service provider Natural Gas training specification - Utilisation sector (1870) **Download for free at www.igem.org.uk**	2023	36.42	24.40
IGEM/IG/1 Ed 2 Supplement 5	Interim Hydrogen training specification (1878) **Download for free at www.igem.org.uk**	2023	36.42	24.40
IGEM/IG/3	Response to LNG road tanker emergencies (1810)	2023	156.40	104.79
IGEM/IG/4 with amendments February 2024	Bulk transport of LNG – By Road (1883)	2024	156.40	104.79
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)				
StT/UP/1A	Certificate of strength testing for IGE/UP/1A	2004	30.92	20.72
TT/UP/1A	Certificate of tightness testing for IGE/UP/1A	2004	30.92	20.72
DP/UP/1A	Certificate of direct purging for IGE/UP/1A	2004	30.92	20.72
StT/UP/1	Certificate of strength testing for IGE/UP/1	2004	30.92	20.72
TT/UP/1	Certificate of tightness testing for IGE/UP/1	2004	30.92	20.72
DP/UP/1	Certificate of direct purging for IGE/UP/1	2004	30.92	20.72

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

PLACING ORDERS (Subject to availability of the Standard)

Orders can be placed using the following methods:

- Online - www.igem.org.uk
- Phone - +44 (0) 1509 678183
- Email - technicalsales@igem.org.uk

Payment must be received before goods can be dispatched. Dispatch of goods is normally within 2 working days of payment. The following methods of payment are accepted:

- credit card (MasterCard or Visa).
- cheque sent to the above address. Please mark correspondence "IGEM Standards Sales"
- through bank transfer (overseas customers will incur a charge for this method). Please request this on the Order Form.

The list of Standards (on page 2, 3, 4 and 5) will be updated when amendments and new editions have been issued. Prices are reviewed annually (1st January) but IGEM reserves the right to change prices at other times and without notice.

Member Discounts:

Member discounts apply on all Standards. To process member discounts (IGEM Members and Industrial Affiliates) we will need your membership or industrial affiliate number. If no details are provided, items will be priced at the standard rate.