



Gas Installations



TECHNICAL STANDARDS FOR GAS INSTALLATIONS

Reference to CEN/CENELEC Technical Committees

June 2021



INTRODUCTION

MARCOGAZ actively collaborates with standardisation bodies such as CEN, and our members have been deeply involved in the standardisation work for decades.

Essentially, standards reflect the state of the art in terms of safe and sustainable operational gas supply activities. The standardisation process fosters the continuous improvement of assets' integrity and interoperability while ensuring the continuity of supply to the customers in the best conditions. The introduction of new gases is a major step in the gas value chain and technical standards are crucial to support the gas industry's contribution to decarbonisation.

Based on its technical work and experience, MARCOGAZ developed a [summary of technical standards applicable to the gas industry's](#) activities to guide representatives and players in the sector. Given the large number of existing standards, MARCOGAZ selected the most relevant for the gas mid and downstream sector. This list is subject to periodic updates, based on the evolving nature of the standardisation processes and industry needs.

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Technical standards for gas

CEN / CENELEC Technical Committee			Title	CEN / CENELEC reference
CEN/CLC/JTC 6	Hydrogen in energy systems	WG1	Hydrogen in energy systems - vocabulary	prEN ISO 24078
CEN/TC 234	Gas infrastructure		Implementation Guide for functional standards prepared by CEN/TC 234 Gas infrastructure - Part 1: General	TR 13737-1
CEN/TC 234	Gas infrastructure		Gas infrastructure - Implementation Guide for Functional Standards prepared by CEN/TC 234 - Part 2: National Pages related to CEN/TC 234 standards	TR 13737-2
CEN/TC 234	Gas infrastructure	WG1	Gas supply - Gas pipework for buildings - Maximum operating pressure less than or equal to 5 bar - Functional recommendations	EN 1775
CEN/TC 234	Gas infrastructure	WG2	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 1: General functional requirements	EN 12007-1
CEN/TC 234	Gas infrastructure	WG2	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 2: Specific functional requirements for polyethylene (MOP up to and including 10 bar)	EN 12007-2
CEN/TC 234	Gas infrastructure	WG2	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 3: Specific functional requirements for steel	EN 12007-3
CEN/TC 234	Gas infrastructure	WG2	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 4: Specific functional requirements for renovation	EN 12007-4
CEN/TC 234	Gas infrastructure	WG10	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 5: Service lines - Specific functional requirements	EN 12007-5
CEN/TC 234	Gas infrastructure	WG2	Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 6: Specific functional recommendations for unplasticized polyamide (PA-U)	TS 12007-6
CEN/TC 234	Gas infrastructure	WG6	Gas Infrastructure - CEN/TC 234 Pressure Definitions - Guideline Document	TR 16395
CEN/TC 234	Gas infrastructure	WG8	Gas Infrastructure - Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations - Part 1: Detailed functional requirements for design, materials, construction, inspection and testing	FprEN 15001-1
CEN/TC 234	Gas infrastructure	WG8	Gas infrastructure - Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations - Part 2: Detailed functional requirements for commissioning, operation and maintenance	FprEN 15001-2
CEN/TC 234	Gas infrastructure	WG11	Gas infrastructure - Quality of gas - Group H	EN 16726
CEN/TC 234	Gas infrastructure		Industrial Gas Installation - Guideline	TR 16787
CEN/TC 234	Gas infrastructure		Domestic gas installations - Recommendations for safety	TR 16940
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types	WG1	Test gases - Test pressures - Appliance categories	EN 437
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Standard reference conditions (ISO 13443:1996 including Corrigendum 1:1997)	EN ISO 13443
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Vocabulary (ISO 14532:2014)	EN ISO 14532
CEN/TC 238	Test gases, test pressures, appliance categories and gas appliance types		Natural gas - Calculation of compression factor - Part 1: Introduction and guidelines (ISO 12213-1:2006)	EN ISO 12213-1
CEN/TC 408	Natural gas and biomethane for use in transport and biomethane for injection in the natural gas grid		Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network - Part 1: Specifications for biomethane for injection in the natural gas network	EN 16723-1
CLC/TC 31	Electrical apparatus for potentially explosive atmospheres		Explosive atmospheres – Part 0: Equipment – General requirements	EN 60079-0
CLC/TC 31	Electrical apparatus for potentially explosive atmospheres		Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	EN IEC 60079-10