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**NZS 5261:2003 Gas installation**

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Abbreviation  
     NZS 5261:2003  
 Amendment  
     A1 & A2 - incorporated  
 Valid from  
     20/02/2003

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     Standards New Zealand  
 Author  
     Standards New Zealand  
 Information type  
     New Zealand Standard  
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**Description**

Legislative changes in 1992 removed the responsibility for inspection and certification of gas installations from the gas suppliers and instituted a regime of gas certification by a person authorized under the Plumbers, Gasfitters and Drain layers Act.

This Standard in Part 1 details the various aspects of a gas installation that contribute to its safety, stating performance criteria that shall be achieved to ensure that the legislative requirements for safety of gas installations are met. Part 2 gives the gasfitter more detailed information as a means of compliance with these performance criteria for small installations, and Part 3 gives references for use in the design and specification of larger installations.

The means of compliance in Parts 2 and 3 are not the only means of compliance with the performance criteria in Part 1. Gas installations should be undertaken by persons authorized under the Plumber Gasfitters and Drain layers Act 1976. Cited in the Ministry's Simple House Acceptable Solution.

**Scope**

This Standard contains the mandatory requirements and means of compliance for the design, installation and commissioning of gas installations that are associated with the use or intended use of fuel gases as defined in the Gas Act. These requirements

cover gas installations downstream of the outlet of:

- (a) The consumer billing meter installation;
- (b) The first regulator on a fixed gas installation where an LPG container is installed on the same site; or
- (c) The first regulator on site (if no meter is installed) where LPG is reticulated from storage off the site; and for which the gas supply pressure does not exceed 700 kPa. Part 1 of this Standard contains the mandatory performance criteria for the design, installation, and commissioning of gas installations.

Part 2 of this Standard contains a means of compliance for gas installations with appliances and equipment generally under 250 MJ/h (70 kW). Part 3 of this Standard contains a means of compliance for gas installations with appliances and equipment generally over 250 MJ/h (70 kW). It may be used as the basis for design of one-off gas appliances and large gas installations in compliance with Part 1 of this Standard.

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- [C/AS2 \(Amendment 1, Errata 1\)](#)

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- [C/AS2 \(First Edition\)](#)

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NZS 5261:2003 is cited by Acceptable Solution C/AS6: Buildings used for High Level Storage and Other High Risk Purposes (Risk Group WS) from 10/04/2012

- [G10/AS1 \(First Edition, Amendment 6\)](#)

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- [G10/AS1 \(First Edition, Amendment 5\)](#)

NZS 5261:2003 is cited by Acceptable Solution G10/AS1: Piped Services from 23/06/2007

- [G11/AS1 \(First Edition, Amendment 4\)](#)

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- [G4/AS1 \(Third Edition, Amendment 2\)](#)

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- [G10/VM1 \(First Edition, Amendment 5\)](#)

NZS 5261:2003 is cited by Verification Method G10/VM1: Piped Services from 23/06/2007

- [G10/VM1 \(First Edition, Amendment 6\)](#)

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- [NZS 5262:2003](#)

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- [SH/AS1 \(First edition, unamended\)](#)

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This document CITES:

##### New Zealand Standards

- [AS/NZS 1260:1999](#)

NZS 5261:2003 cites AS/NZS 1260:1999 PVC pipes and fittings for drain, waste and vent applications

- [AS/NZS 1477:1999](#)

NZS 5261:2003 cites AS/NZS 1477:1999 PVC pipes and fittings for pressure applications

- [AS/NZS 1530.3:1999](#)

NZS 5261:2003 cites AS/NZS 1530.3:1999 (R2016) Methods for fire tests on building materials, components and structures - Simultaneous determination of ignitability, flame propagation, heat release and smoke release

- [AS/NZS 2208:1996](#)

NZS 5261:2003 cites AS/NZS 2208:1996 Safety glazing materials in buildings

- [AS/NZS 2648.1:1995](#)

NZS 5261:2003 cites AS/NZS 2648.1:1995 Underground marking tape - Non-detectable tape

- [AS/NZS 2918:2001](#)

NZS 5261:2003 cites AS/NZS 2918:2001 Domestic solid fuel burning appliances - Installation

- [AS/NZS 3000:2000](#)

NZS 5261:2003 cites AS/NZS 3000:2000 Electrical installations (known as the Australian/New Zealand Wiring Rules)

- [AS/NZS 4129:2000](#)

NZS 5261:2003 cites AS/NZS 4129:2000 Fittings for polyethylene (PE) pipes for pressure applications

- [AS/NZS 4130:2001](#)

NZS 5261:2003 cites AS/NZS 4130:2001 Polyethylene (PE) pipes for pressure applications

- [AS/NZS 4331.1:1995](#)

NZS 5261:2003 cites AS/NZS 4331.1:1995 (R2016) Metallic flanges - Steel flanges

- [AS/NZS 4331.2:1995](#)

NZS 5261:2003 cites AS/NZS 4331.2:1995 (R2016) Metallic flanges - Cast iron flanges

- [AS/NZS 4331.3:1995](#)

NZS 5261:2003 cites AS/NZS 4331.3:1995 (R2016) Metallic flanges - Copper alloy and composite flanges

- [AS/NZS 60079.10:2004](#)

NZS 5261:2003 cites AS/NZS 60079.10:2004 Electrical apparatus for explosive gas atmospheres - Part 10: Classification of hazardous areas

- [NZS 3501:1976](#)

NZS 5261:2003 cites NZS 3501:1976 Specification for copper tubes for water, gas, and sanitation

- [NZS 3604:1999](#)

NZS 5261:2003 cites NZS 3604:1999 Timber framed buildings

- [NZS 5262:2003](#)

NZS 5261:2003 cites NZS 5262:2003 Gas appliance safety

- [NZS 5807:1980](#)

NZS 5261:2003 cites NZS 5807:1980 Code of practice for industrial identification by colour, wording or other coding

- [NZS/BS 1387:1985](#)

NZS 5261:2003 cites NZS/BS 1387:1985 Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or screwing to BS 21 pipe threads

#### Australian Standards

- [AS 1074-1989](#)

NZS 5261:2003 cites AS 1074-1989 (R2018) Steel tubes and tubulars for ordinary service

- [AS 1397-2001](#)

NZS 5261:2003 cites AS 1397-2001 Steel sheet and strip - Hot-dipped zinc-coated or aluminium/zinc-coated

- [AS 1432:1996](#)

NZS 5261:2003 cites AS 1432-1996 Copper tubes for plumbing gasfitting and drainage applications

- [AS 1464.1-1984 and AS 1464.2-1984](#)

NZS 5261:2003 cites AS 1464.1-1984 and AS 1464.2-1984 Plastics pipes and fittings for gas reticulation - Unplasticized PVC (UPVC) - Part 1: Pipes - Part 2: Fittings

- [AS 2129-2000](#)

NZS 5261:2003 cites AS 2129-2000 (R2016) Flanges for pipes valves and fittings

- [AS 3688-1994](#)

NZS 5261:2003 cites AS 3688-1994 Water supply - Copper and copper alloy body compression and capillary fittings and threaded-end connectors

- [AS 4041-1998](#)

NZS 5261:2003 cites AS 4041-1998 Pressure piping

- [AS 4176-1994](#)

NZS 5261:2003 cites AS 4176-1994 Polyethylene/aluminium and cross-linked polyethylene/aluminium macro-composite pipe systems for pressure applications

Other

- [BS 143 and 1256:2000](#)

NZS 5261:2003 cites BS 143 and 1256:2000 Threaded pipe fittings in malleable cast iron and cast copper alloy

- [BS 1560-3.1:1989](#)

NZS 5261:2003 cites BS 1560-3.1:1989 Circular flanges for pipes, valves and fittings (Class designated). Steel, cast iron and copper alloy flanges. Specification for steel flanges

- [BS 1640-1:1962](#)

NZS 5261:2003 cites BS 1640-1:1962 Specification for steel butt-welding pipe fittings for the petroleum industry - Part 1: Wrought carbon and ferritic alloy steel fittings

- [BS 1640-3:1968](#)

NZS 5261:2003 cites BS 1640-3:1968 Specification for steel butt-welding pipe fittings for the petroleum industry - Part 3: Wrought carbon and ferritic alloy steel fittings. Metric units

- [BS 1640-4:1968](#)

NZS 5261:2003 cites BS 1640-4:1968 Specification for steel butt-welding pipe fittings for the petroleum industry. Wrought and cast austenitic chromium-nickel steel fittings. Metric units

- [BS 4504-3.3:1989](#)

NZS 5261:2003 cites BS 4504-3.3:1989 Circular flanges for pipes valves and fittings (PN designated). Specification for copper alloy and comp

- [BS EN 10217-1:2002](#)

NZS 5261:2003 cites BS EN 10217-1:2002 Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties

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