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## NZS 4603:1985 Installation of low pressure thermal storage electric water heaters with copper cylinders (open vented systems)

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Abbreviation

NZS 4603:1985

Amendment

Amendment 1 - appended. Published 30/07/1990.

Valid from

26/06/1985

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Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

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Description

Applies to the installation in the vertical position of thermal storage electric water heaters complying

with NZS 4602 and designed to work on pressures not exceeding 120 kPa (12.0 m head). It is restricted to systems with open vents. Applies also to hot water reticulation systems, to dual systems, and to the use of wetbacks or similar water heaters which supply hot water to the cylinder, supplementing the heat derived from the electric element. Solar assisted systems are not covered.

#### Scope

It is restricted to systems with open vents. It also applies to hot water recirculation systems, to dual systems, and to the use of wetbacks or similar water heaters which supply hot water to the cylinder, supplementing the heat derived from the electric element. Solar assisted systems are not covered.

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- [G12/AS1 \(Third Edition, Amendment 10\)](#)

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- [G12/AS1 \(Third Edition, Amendment 7\)](#)

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- [G12/AS1 \(Third Edition, Amendment 11\)](#)

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- [G12/AS1 \(Third Edition, Amendment 8\)](#)

NZS 4603:1985 is cited by Acceptable Solution G12/AS1: Water Supplies from 01/12/2007

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

NZS 4603:1985 is cited by AS/NZS 2918: 2001 Domestic solid fuel burning appliances -

## Installation

- [AS/NZS 3500.4:2003](#)

NZS 4603:1985 is cited by AS/NZS 3500.4:2003 Plumbing and drainage - Part 4: Heated water services

- [AS/NZS 3500.4:2015](#)

NZS 4603:1985 is cited by AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services

- [NZS 4602:1988](#)

NZS 4603:1985 is cited by NZS 4602:1988 Low pressure copper thermal storage electric water heaters

- [NZS 4606.1:1989](#)

NZS 4603:1985 is cited by NZS 4606.1:1989 Storage water heaters - General requirements

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# NZS 4603:1985 Installation of low pressure thermal storage electric water heaters with copper cylinders (open vented systems)

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### **New Zealand Standards**

- [NZS 3501:1976](#)

NZS 4603:1985 cites NZS 3501:1976 Specification for copper tubes for water, gas, and sanitation

- [NZS 4222:1992](#)

NZS 4603:1985 cites NZS 4222:1992 Specification for materials for the thermal insulation of buildings

- [NZS 4602:1988](#)

NZS 4603:1985 cites NZS 4602:1988 Low pressure copper thermal storage electric water heaters

- [NZS 4608:1992](#)

NZS 4603:1985 cites NZS 4608:1992 Control valves for hot water systems

- [NZS 6200:1988](#)

NZS 4603:1985 cites NZS 6200:1988 Specification for general requirements for electrical apparatus and material

- [NZS 6214:1988](#)

NZS 4603:1985 cites NZS 6214:1988 Thermostats and thermal cutouts for domestic thermal storage electric water heaters (alternating current only)

### **Australian Standards**

- [AS 1530.3-1989](#)

NZS 4603:1985 cites AS 1530.3-1989 Methods for fire tests on building materials,

# components and structures - Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release

## Other

- [BS 1394-2:1987](#)

NZS 4603:1985 cites BS 1394-2:1987 Stationary circulation pumps for heating and hot water service systems - Part 2: Specification for physical and performance requirements

- [BS 1845:1984](#)

NZS 4603:1985 cites BS 1845:1984 Specification for filler metals for brazing

- [BS 874:1973](#)

NZS 4603:1985 cites BS 874:1973 Methods for determining thermal insulating properties with definitions of thermal insulating terms

- [LGA 1974](#)

NZS 4603:1985 cites Local Government Act 1974

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