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## NZS 4614:1986 Installation of domestic solar water heating systems

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Abbreviation

NZS 4614:1986

Amendment

Errata 1 - appended. Published 30/07/1986.

Valid from

29/06/1986

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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

This Standard covers installation of systems of fixed orientation and inclination of up to 6 m2

collector area and 450 L storage capacity, capable of auxiliary heating and delivering potable water, but excluding space or pool heating.

#### Scope

This Standard sets out the requirements for the installation of domestic solar water heating systems incorporating auxiliary heating and intended to deliver water of potable quality. Systems covered are of fixed orientation and inclination having a collector area of not more than 6 m<sup>2</sup> and a storage capacity of not more than 450 L. They may be either:

- (a) systems with collector located remotely from container; or
- (b) systems with collector and container close-coupled or integral.

The primary water circuit flow between collector and container may be by thermosiphon or forced circulation, and the auxiliary heating may be integral with, or remote from, the solar water heater. Where the collector is located remotely from the container either component may be supplied separately or both components may be supplied as a complementary system.

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- [G12/AS2 \(Third Edition, Amendment 10\)](#)

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- [G12/AS2 \(Third Edition, Amendment 8\)](#)

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- [G12/AS2 \(Third Edition, Amendment 7\)](#)

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

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## New Zealand Standards

- [NZS 3501:1976](#)

NZS 4614:1986 cites NZS 3501:1976 Specification for copper tubes for water, gas, and sanitation

- [NZS 3604:1984](#)

NZS 4614:1986 cites NZS 3604:1984 Code of practice for light timber frame buildings not requiring specific design

- [NZS 4203:1984](#)

NZS 4614:1986 cites NZS 4203:1984 Code of practice for general structural design and design loadings for buildings

- [NZS 4608:1992](#)

NZS 4614:1986 cites NZS 4608:1992 Control valves for hot water systems

- [NZS 7601 :1978](#)

NZS 4614:1986 cites NZS 7601:1978 Specification for polyethylene pipe (Type 3) for cold water services

- [NZS 7602 :1977](#)

NZS 4614:1986 cites NZS 7602 :1977 Specification for polyethylene pipe (Type 5) for cold water services

- [NZS 7648:1987](#)

NZS 4614:1986 cites NZS 7648:1987 Unplasticized PVC pipe and fittings for pressure applications

## Australian Standards

- [AS 1357:1972](#)

NZS 4614:1986 cites AS 1357:1972 Water fittings for protection and control of unvented storage water heaters

## Other

- [BS 1387:1967](#)

NZS 4614:1986 cites BS 1387:1967 Screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads

- [CSA CAN3 B137.8:1986](#)

NZS 4614:1986 cites CSA CAN3 B137.8:1986 Polybutylene (pb) Piping For Pressure Applications (Supersedes CSA B137.8:1977 )

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