

INSTALLATION OF LOW PRESSURE THERMAL STORAGE
ELECTRIC WATER HEATERS WITH COPPER CYLINDERS
(OPEN VENTED SYSTEMS)

AMENDMENT No. 1

July 1990

EXPLANATORY NOTE - Corrects a number of errors in the original text and introduces minor changes arising from changes to related documents.

To ensure receiving advice of the next amendment to NZS 4603:1985 please complete and return the amendment request form.

APPROVAL

Amendment No. 1 was approved on 22 June 1990 by the Standards Council to be an amendment to NZS 4603:1985 pursuant to the provisions of section 10 of the Standards Act 1988.

(Amendment No. 1, July 1990)

RELATED DOCUMENTS

Delete completely and substitute:

RELATED DOCUMENTS

Reference is made in this Standard to the following:

NEW ZEALAND STANDARDS

- | | |
|---------------|--|
| NZS 3501:1976 | Copper tubes for water, gas, and sanitation |
| NZS 4222:1985 | Materials for the thermal insulation of buildings |
| NZS 4602:1988 | Low pressure copper thermal storage electric water heaters |
| NZS 4608:0000 | Control valves for hot water systems (In preparation) |
| NZS 6200:1988 | General requirements for electrical apparatus and material |
| NZS 6214:1988 | Thermostats and thermal cutouts for domestic thermal storage electric water heaters (alternating current only) |

AUSTRALIAN STANDARDS

- | | |
|---------------|---|
| AS 1530:- - - | Methods for fire tests on building materials, components and structures |
| Part 3:1989 | Simultaneous determination of ignitability, flame propagation, heat release and smoke release |

BRITISH STANDARDS

- | | |
|-------------|---|
| BS 874:1973 | Methods for determining thermal insulating properties, with definitions of thermal insulating terms |
|-------------|---|

Single User PDF Terms & Conditions

You have material which is subject to strict conditions of use. Copyright in this material is owned by the New Zealand Standards Executive. Please read these terms and conditions carefully, as in addition to the usual range of civil remedies available to Standards New Zealand on behalf of the New Zealand Standards Executive for infringement of copyright, under New Zealand law every person who infringes copyright may be liable to a fine of up to \$10,000 for every infringing copy or imprisonment of up to 5 years, or a fine of up to \$150,000 or imprisonment not exceeding 5 years.

You have access to a single-user licence to read this non-revisable Adobe Acrobat PDF file and print out and retain ONE printed copy only.

We retain title and ownership of the copyright in this PDF file and the corresponding permitted printed copy at all times.

Under this license use of both the PDF file and the single permitted printed copy of this PDF file you may make are restricted to you. Under no circumstances are you permitted to save, sell, transfer, or copy this PDF file, the one permitted printed copy of this PDF file, or any part of either of them.

You undertake that you will not modify, adapt, translate, reverse engineer, decompile, disassemble or create derivative works based on any of the downloaded PDF file, nor will you merge it with any other software or document, even for internal use within your organization.

Under no circumstances may this PDF file be placed on a network of any sort without our express permission.

You are solely responsible for the selection of this PDF file and any advice or recommendation given by us about any aspect of this PDF file is intended for guidance only and is followed or acted upon entirely at your own risk.

We are not aware of any inherent risk of viruses in this PDF file at the time that it is accessed. We have exercised due diligence to ensure, so far as practicable, that this file does not contain such viruses.

No warranty of any form is given by us or by any party associated with us with regard to this PDF file, and you accept and acknowledge that we will not be liable in any way to you or any to other person in respect of any loss or damage however caused which may be suffered or incurred or which may arise directly or indirectly through any use of this PDF file.

Regardless of where you were when you received this PDF file you accept and acknowledge that to the fullest extent possible you submit to New Zealand law with regard to this licence and to your use of this PDF file.

Copyright Standards New
Zealand

- BS 1394:- - - - Stationary circulation pumps for heating and hot water service systems
- Part 2:1987 Specification for physical and performance requirements
- BS 1845:1984 Specification for filler metals for brazing

NEW ZEALAND LEGISLATION

Electrical Wiring Regulations 1976
Local Government Act 1974
Radio Regulations 1987

The users of this Standard should ensure that their copies of the above-mentioned New Zealand Standards or of overseas Standards endorsed as suitable for use in New Zealand are the latest revisions or include the latest amendments. Such amendments are listed in the annual SANZ *Catalogue* which is supplemented by lists contained in the monthly magazine *Standards* issued free of charge to committee and subscribing members of SANZ.

(Amendment No. 1, July 1990)

Copyright Standards New Zealand

**101
SCOPE**

101.1
In line 5 **amend** words in parenthesis to "12.0 m head"

(Amendment No. 1, July 1990)

**201
THERMOSTATS**

Delete 201.2 and 201.3 and **substitute:**

201.2
Each thermostat shall comply with the requirements of NZS 6214.

(Amendment No. 1, July 1990)

Table 1

In column 1 **delete** last 2 items and **substitute:**

200 to 250
250 to 350

(Amendment No. 1, July 1990)

**301.5
Vents and hot water outlets**

301.5.11
In line 2 **amend** "traps" to "straps"

(Amendment No. 1, July 1990)

**303.3
Hot water pipes**

303.3.2
Delete reference to NZS 1340 and **substitute** NZS 4222.

(Amendment No. 1, July 1990)

**502
PUMPS**

502.1
Delete and **substitute:**

502.1
The pump shall comply with BS 1394, Part 2. Any thermostatic controls which operate the pump should comply with NZS 6200 and the Radio Regulations. Provision should be made to ensure that in the event of the failure of a thermostatic device the pump is not left running continually when the wetback is not receiving heat.

(Amendment No. 1, July 1990)

(c) 1990 STANDARDS COUNCIL
STANDARDS ASSOCIATION OF NEW ZEALAND
WELLINGTON TRADE CENTRE, 181-187 VICTORIA STREET
WELLINGTON 1

**REQUEST FOR ADVICE OF NEXT
AMENDMENT**

Please fill in the request for the next amendment to this New Zealand Standard and mail to the Standards Association of New Zealand, Private Bag, Wellington.

If this request slip has not been returned SANZ has no record that you wish to be advised of future amendments to this Standard. From 1 October 1986 a pricing system for amendments was introduced.

To confirm that the next amendment has been requested, enter details of despatch:

ATTENTION

Standards New Zealand no longer operates the return slip system for notification of updates to standards. Updating is now handled through the Asset+PLUS subscriber system. For information on joining Asset+PLUS, fill in and return the coupon below or phone Standards Information.

Organization :

Address :

Name :

Position :

