

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

  

[Resource detail](#)  
[Citations](#)

## AS/NZS 4692.1:2005 (R2016) Electric water heaters - Part 1: Energy consumption, performance and general requirements

[View on Information Provider website](#)

### Abbreviation

AS/NZS 4692.1:2005

### Amendment

A1 and A2 - incorporated.

### Valid from

26/09/2005

---

### Information provider

Standards New Zealand

### Author

Standards New Zealand, Standards Australia

### Information type

New Zealand Standard

### Format

PDF

---

### Cited By

[This resource is cited by 2 documents \(show Citations\)](#)

---

### Description

This Standard includes performance test procedures, minimum performance requirements and a range of other requirements for water heaters. It also includes the revised test method for the determination of standing heat loss for electric storage water heaters, and the method for the determination of hot water delivery and mixed hot water delivery.

### Scope

This Standard specifies test methods, and performance and construction requirements for electric water heaters of the following types:

- (a) Storage water heaters of rated hot water delivery up to 630 L or nominal capacity up to 710 L, including the storage component of solar, heat pumps and indirectly heated systems.
- (b) Heat exchange water heaters with a heat storage volume up to 710 L.
- (c) Water heaters that use electric resistive heating as the primary energy source, although the test methods for heat loss and delivery are applicable to other water heater types such as solar water heaters and heat pumps.

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

## AS/NZS 4692.1:2005 (R2016) Electric water heaters - Part 1: Energy consumption, performance and general requirements

This document is CITED BY:

- [AS/NZS 2712:2007](#)

AS/NZS 4692.1:2005 is cited by AS/NZS 2712:2007 Solar and heat pump water heaters - Design and construction

- [AS/NZS 4692.2:2005](#)

AS/NZS 4692.1:2005 is cited by AS/NZS 4692.2:2005 (R2016) Electric water heaters - Minimum Energy Performance Standards (MEPS) requirements and energy labelling

Back

## AS/NZS 4692.1:2005 (R2016) Electric water heaters - Part 1: Energy consumption, performance and general requirements

Show what documents this resource is CITED BY

Show what documents this resource CITES

### Description

This Standard includes performance test procedures, minimum performance requirements and a range of other requirements for water heaters. It also includes the revised test method for the determination of standing heat loss for electric storage water heaters, and the method for the determination of hot water delivery and mixed hot water delivery.

[View on Information Provider website](#)

[AS/NZS 4692.1:2005 \(R2016\) Electric water heaters - Part 1: Energy consumption, performance and general requirements](#)

### Description

This Standard includes performance test procedures, minimum performance requirements and a range of other requirements for water heaters. It also includes the revised test method for the determination of standing heat loss for electric storage water heaters, and the method for the determination of hot water delivery and mixed hot water delivery.

[View on Information Provider website](#)

This resource does not cite any other resources.

## AS/NZS 4692.1:2005 (R2016) Electric water heaters - Part 1: Energy consumption, performance and general requirements

This resource does not CITE any other resources.

Back

Close

## **Section 1 Scope and General**

### **1.1 Scope**

### **1.2 Application**

### **1.3 Referenced Documents**

### **1.4 Definitions**

### **1.5 Compliance with Other Specifications**

## **Section 2 Design and Construction Requirements**

### **2.1 Scope of Section**

### **2.2 Strength**

### **2.3 Materials and Components In Contact With Water**

### **2.4 Water Fittings**

### **2.5 Water Pipes**

### **2.6 Drainage Facilities**

### **2.7 Casing**

### **2.8 Corset**

### **2.9 Thermal Insulation**

### **2.10 Facilities for Maintenance**

### **2.11 Packaging**

## **Section 3 Electrical Components**

### **3.1 Scope of Section**

### **3.2 Heating Units**

### **3.3 Temperature Control Devices and Thermal Cut-outs**

## **Section 4 Marking and Instructions**

### **4.1 Scope of Section**

### **4.2 Marking and Instructions**

## **4.3 Installation Instructions**

# **Section 5 Specific Requirements for Storage Water Heaters and Containers**

## **5.1 Scope of Section**

## **5.2 Hot Water Delivery/Nominal Capacity**

## **5.3 Water tightness**

## **5.4 Heaters with Composite Shells**

## **5.5 Heaters with Single Shells**

## **5.6 Heaters with Attached Feed Tanks**

## **5.7 Thermostats**

## **5.8 Boosting Units**

## **5.9 Marking and Instructions**

# **Section 6 Specific Requirements for Heat Exchange Water Heaters**

## **6.1 Scope of Section**

## **6.2 Hot Water Delivery/Nominal Capacity**

## **6.3 Strength**

## **6.4 Heaters with Attached Feed Tanks**

## **6.5 Thermostats-Surface-Contact**

## **6.6 Marking and Instructions**

## **6.7 Product Specification**

## **Appendices**

### **Appendix A - Means For Demonstrating Compliance with This Standard**

### **Appendix B - Standardized Test Conditions**

### **Appendix C - Determination of Standing Heat Loss**

### **Appendix D - Determination of Hot Water Delivery**

### **Appendix E - Mixed Hot Water Delivery**

## Appendix F - Typical Product Specification for a Storage Water Heater

## Appendix G - Pressure Fatigue Testing Of Unvented Containers

## Appendix H - Construction Details for Copper, Low-Pressure Water Heater Shells

## Appendix I - Configuration and Determination of Time Constant for an Air Temperature Sensor

## Appendix J - Linear Regression

## Appendix K - Density of Water

## Appendix L - Test Room Configuration

## Appendix M - Method for the Determination of the Solubility of Vitreous Enamel Lining

## Appendix N - Error in Determination of Tank Heat Loss

[Save](#)

[Feedback](#)


- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)


[Feedback](#)