

AS/NZS 3499:2006  
(Incorporating Amendment No. 1)  
Reconfirmed 2016

AS/NZS 3499:2006

Australian/New Zealand Standard™

**Water supply—Flexible hose assemblies**



## **AS/NZS 3499:2006**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-001, Water Fittings. It was approved on behalf of the Council of Standards Australia on 14 August 2006 and on behalf of the Council of Standards New Zealand on 18 August 2006.

This Standard was published on 4 October 2006.

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*This Standard was issued in draft form for comment as DR 06164.*

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**  
**OF**  
**AS/NZS 3499:2006**  
**Water supply—Flexible hose assemblies**

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Technical Committee WS-001 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 3 September 2015.

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Water Services Association of Australia

## NOTES

AS/NZS 3499:2006  
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

## Water supply—Flexible hose assemblies

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-001, Water Fittings, to supersede AS/NZS 3499:1997, *Flexible tube connectors for water supply*.

*This Standard incorporates Amendment No. 1 (July 2009). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

A1 | The objective of this Standard is to specify requirements for flexible hose assemblies for use with both heated water and cold-water supplies with a maximum heated water temperature of 90°C used for applications aboveground, accessible and not submerged. Nominal sizes range up to DN 20, a maximum length of 2 m and with a working pressure not exceeding 1400 kPa at 20°C.

A1 | The performance tests are based on the European Standard EN 13618-1, *Hose assembly—Flexible hose assembly, Part 1: Product standard for flexible hose assembly (with or without braiding)*.

The selection of flexible hose assemblies for various operating environments is the responsibility of the installer, applying the guidance of the manufacturer on the suitability of product for the particular application.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Water supply—Flexible hose assemblies**

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**1 SCOPE**

A1 | This Standard specifies requirements for flexible hose assemblies for use with both heated water at 70°C at 1000 kPa maximum and cold-water supplies at 1200 kPa maximum used for applications above ground, accessible and not submerged. Nominal sizes range up to DN 20, a maximum length of 2 m and with a working pressure not exceeding 1400 kPa.

NOTE: Certification under the Plumbing Code of Australia is mandatory in Australia but not in New Zealand.

**2 APPLICATION**

Means for demonstrating compliance with this Standard shall be in accordance with Appendix A.

**3 REFERENCED DOCUMENTS**

The documents referenced in this Standard are listed in Appendix B.

**4 DEFINITIONS**

For the purpose of this Standard, the definitions given in AS/NZS 3500.0 and those below apply.

**4.1 Flexible hose assembly**

A1 | 1 A hose assembly intended for use between a pipe work system and a fixture, fitting, valve, tap, appliance or similar, that is capable of being easily adapted or bent in any direction without damage. The flexible hose assembly may consist of an inner liner and an outer reinforcement braid or sleeve with secured end connectors to ensure watertightness.

2 The internal hose in contact with the fluid being made from elastomeric or thermoplastic material.

**4.2 ‘Text deleted’****4.3 Warranty**

A1 | A statement by the manufacturer or supplier of a product, which states that the product is suitable for use under specified conditions. The conditions may be limits on water pressure, water temperature repetitive movement or flexation after installation; or any other operational circumstances.

**5 SIZE DESIGNATION****5.1 Tube**

A1 | The size, by which a flexible hose is designated, shall be related to the size of its internal diameter.