Australian Standard®

Spa pools

Part 2: Private spas



This Australian Standard® was prepared by Committee CS-059, Spa Pools. It was approved on behalf of the Council of Standards Australia on 12 April 2007. This Standard was published on 12 July 2007.

The following are represented on Committee CS-059:

- NSW Health Department
- Office of Fair Trading NSW Consumer Protection Agency
- Royal Life Saving Society Australia
- Swimming Pool and Spa Association of NSW
- University of Queensland

Additional Interests:

Consumers' Federation of Australia

This Standard was issued in draft form for comment as DR 06591.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

#### Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au** 

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 2610.2—2007 (Incorporating Amendment No. 1)

# Australian Standard®

## Spa pools

## Part 2: Private spas

Originated as AS 2610.2—1983. Third edition 2007. Reissued incorporating Amendment No. 1 (September 2011).

#### COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8275 2

### PREFACE

This Standard was prepared by the Standards Australia Committee CS-059, Spa Pools, to supersede AS 2610.2—1993.

This Standard incorporates Amendment No. 1 (September 2011). 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.

The objective of this Standard is to provide designers, specifiers, construction personnel and operators within the industry with information for the installation and operation of spas in order to standardize the industry generally and, in particular, safety aspects associated with spas in Australia

This edition incorporates the following major changes:

#### (a) **'Text deleted'**.

- (b) Inclusion of requirements for frequency of disposal of waste water.
- (c) Expansion of chemical operational parameters to include free bromine/chlorine and ozone.
- (d) Inclusion of limitations for free *Escherichia coli*, coliforms and *Pseudomonas aeruginosa*.

AS 2610.2—1983 will be withdrawn following substantial regulatory implementation of this edition, or within two years of publication of this edition, whichever is the earlier.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

### CONTENTS

#### SECTION 1 SCOPE AND GENERAL 1.1 REFERENCED DOCUMENTS 4 1.2 1.3 SECTION 2 REOUIREMENTS 2.1 2.2 2.3 2.42.5 HEATER AND TEMPERATURE REQUIREMENTS ...... 10 2.6 2.7 WATER SUPPLY ...... 10 2.8 RETURNS, SUCTION POINTS AND PIPING......10 2.9 2.10 SURFACE SKIMMING SYSTEMS......11 2.11

## APPENDICES

А	CHEMICAL OPERATIONAL PARAMETER	15
В	SELECTION OF SPA POOL HEATER SIZE FOR OUTDOOR	
	INSTALLATIONS	19

### Page

## STANDARDS AUSTRALIA

## Australian Standard

## Spa pools

Part 2: Private spas

## SECTION 1 SCOPE AND GENERAL

### 1.1 SCOPE

This Standard specifies requirements for the design, construction and operation of private spa pools intended for recreational use, either separately installed or forming part of a swimming pool installation. It is not applicable to spas with a capacity of less than 680 L, commonly known as spa baths in accordance with AS 3861, or to spa pools that are used under the direction of medical personnel, such as hydrotherapy pools, or stationary swimming pools.

The Standard applies only to private spas, as defined in the Standard. Public spas are covered by AS 2610.1.

## **1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

whirlpool baths and whirlpool spas

	AS 1159	Polyethylene pipes for pressure applications
A1	1926 1926.3	Swimming pool safety Part 3: Water recirculation systems
	2700	Colour standards for general purposes
	3861	Spa baths
	4560	Gas pool heaters
	AS/NZS 1477	PVC pipes and fittings for pressure applications
	3000	Electrical installations ((known as the Australian/New Zealand Wiring Rules))
	3500 3500.1	Plumbing and drainage Part 1: Water services
	3518	Acrylonitrile butadiene styrene (ABS) pipes and fittings for pressure applications
	60335.2.60	Household and similar electrical appliances-Safety-Particular requirements for