

Australian Standard™

Swimming pool safety

Part 3: Water recirculation systems

This Australian Standard was prepared by Committee CS-034, Safety of Private Swimming Pools. It was approved on behalf of the Council of Standards Australia on 31 January 2003 and published on 18 March 2003.

The following are represented on Committee CS-034:

Australian Building Codes Board
Australian Industry Group
Australian Institute of Building Surveyors
Consumers Federation of Australia
Department of Fair Trading NSW
Kidsafe
National Injury Surveillance Unit
Planning South Australia
Royal Life Saving Society Australia
Swimming Pool and Spa Association of NSW
Swimming Pool and Spa Association of WA

Keeping Standards up-to-date

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia web site at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 01021.

Australian Standard™

Swimming pool safety

Part 3: Water recirculation systems

Originated as part of AS 2818—1986.
Previous edition AS 1926.3—1993.
Second edition 2003.

COPYRIGHT

© Standards Australia International

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.

Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 5051 6

PREFACE

This Standard was prepared by the Standards Australia Committee CS-034, Safety of Private Swimming Pools, to supersede AS 1926.3—1993, *Swimming pool safety, Part.3: Water recirculation and filtration systems*.

This Standard is part of a series dealing with fencing, location of fencing, and water recirculation systems.

The series of Standards is as follows:

AS

- 1926 Swimming pool safety
- 1926.1 Part 1: Fencing for swimming pools
- 1926.2 Part 2: Location of fencing for private swimming pools
- 1926.3 Part 3: Water recirculation system (this Standard)

The objective of this Standard is to provide regulatory authorities, pool and equipment manufacturers and pool users with requirements for skimmer boxes and other permanent water outlets in pools in order to minimize the chance of injuries in private swimming pool in Australia.

The major areas of change from the previous version of this Standard are as follows:

- (a) Change in terminology from suction to outlet.
- (b) New and specific reference to active main drains as a subset of outlets.
- (c) Specific design requirements for outlet systems added.
- (d) Design requirements for active main drains covers included.

The requirements of active main drain covers are based on research from the CSIRO and research conducted in the US. The stated requirements are semi prescriptive; however, the Committee is considering possible development of performance-based requirements and a suitable test method.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 REFERENCED DOCUMENTS	4
3 DEFINITIONS	4
4 SKIMMER BOXES.....	5
5 OUTLETS	7
 APPENDIX A WATER VELOCITIES.....	 9

STANDARDS AUSTRALIA**Australian Standard
Swimming pool safety****Part 3: Water recirculation systems****1 SCOPE**

This Standard sets out requirements for skimmer boxes, and other permanent water outlets in swimming pools.

2 REFERENCED DOCUMENTS

The following document is referred to in this Standard:

AS	
1926	Swimming pool safety
1926.1	Part 1: Fencing for swimming pools
AS/NZS	
1477	PVC pipes and fittings for pressure applications

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 1926.1 and those below apply.

3.1 Active main drain

A suction outlet installed in the floor of a pool, which connects to the suction side of the pump.

3.2 Anti vortex cover

A fitting placed over an outlet from the pool and designed to reduce the circular or swirling motion of water drawn into the outlet.

3.3 Outlets (excluding skimmer boxes)

Those openings in the pool wall or floor through which water is drawn from the pool by a pump.

3.4 Skimmer box

The fitting attached to or set in the pool wall at water level, which is used as the main suction point for the filter pump and is intended to draw water from the pool surface to remove and collect debris.

3.5 Swimming pool

Any excavation or structure containing water to a depth greater than 300 mm and used primarily for swimming, wading, paddling or the like, including a bathing or wading pool.

NOTE: The definition of a swimming pool may vary from State to State. Refer to the appropriate regulatory authority.



SAI GLOBAL

This is a free 6 page sample. Access the full version online.

The remainder of this document
is available for purchase online at

www.saiglobal.com/shop

SAI Global also carries a wide range of publications from a wide variety of Standards Publishers:



Click on the logos to search the database online.