

AS 3861—1991  
Reconfirmed 2016

Australian Standard<sup>®</sup>

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**Spa baths**

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This Australian Standard was prepared by Committee WS/3, Sanitary Plumbing Fixtures. It was approved on behalf of the Council of Standards Australia on 25 September 1990 and published on 11 February 1991.

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The following interests are represented on Committee WS/3:

Swimming Pool and Spa Association of Australia (SPASA)

Additional interests participating in preparation of Standard:

Water Bard, Sydney

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STANDARDS AUSTRALIA

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**RECONFIRMATION**

**OF**  
**AS 3861—1991**  
**Spa baths**

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Technical Committee WS-003 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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## NOTES

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## PREFACE

This Standard was prepared by the Standards Australia Committee on Sanitary Plumbing Fixtures at the request of Swimming Pool and Spa Association of Australia (SPASA). The Standard includes requirements for spa bath design, manufacture and assembly of equipment with relevant safety precautions.

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## STANDARDS AUSTRALIA

### Australian Standard

### Spa baths

**1 SCOPE** This Standard specifies requirements for materials, manufacture, finish and installation of spa baths. The bath shall comply with AS 2023 and recirculatory system and accessories according to this Standard.

#### 2 REFERENCED DOCUMENTS

##### AS

- 1159 Polyethylene pipes for pressure applications
- 1477 Unplasticized PVC (UPVC) pipes and fittings for pressure applications
- 1589 Copper and copper alloy waste fittings
- 2023 Baths for ablutionary purposes
- 2887 Plastics waste fittings
- 3000 SAA Wiring Rules
- 3500 National plumbing and drainage code
- 3500.0 Part 0: Glossary of terms

##### BS

- 5391 Specification for acrylonitrile-butadienestyrene (ABS) pressure pipe  
Part 1: Pipe for industrial uses
- 5392 Specification for acrylonitrile-butadienestyrene (ABS) fittings for use with ABS pressure pipe  
Part 1: Fittings for use with pipe for industrial uses

**3 DEFINITIONS** For the purpose of this Standard, the definitions given in AS 3500.0 and those below apply.

**3.1 Air blower**—a mechanical means by which air is forcibly introduced into either the air-injection or the recirculatory system.

**3.2 Air-injection system**—a system whereby air is introduced into the spa bath, separate from the recirculatory system.

**3.3 Air-injection nozzle**—a fitting incorporating a non-return valve through which air is forcibly introduced to the bath.

**3.4 Air line**—both-

- (a) rigid pipe connecting jet fittings to air venturi control and, if required, flexible pipe, adjacent to and connecting air control to rigid air line; and
- (b) flexible pipe connecting air manifold and air nozzles or blower.

**3.5 Air manifolds**—a separate chamber to which are attached air lines to feed air to the air-injection nozzle.

**3.6 Air switch**—a fitting used to activate equipment via the use of a pressure pulse.

**3.7 Heater—air**—a heating device fitted in the air-injection system.

**3.8 Heater—water**—a heating device fitting in the recirculatory system, which can be used to maintain, increase or otherwise control water temperature.

**3.9 Hot pump**—a pump with incorporated heating device.

**3.10 Jet fittings**—a fitting which blends air and water creating and directing a stream of water or air-entrained water.

**3.11 Normal operating water level**—the water level, generally assumed to be 50 mm above top of jet fitting.

**3.12 Pinching hazard**—any configuration of components that would pinch or entrap the fingers or toes of a child or adult.