

Australian Standard[®]

**Water supply—Backflow prevention
devices**

**Part 3: Field testing and maintenance of
testable devices**



This Australian Standard® was prepared by Committee WS-023, Backflow Prevention Devices for Water Supply. It was approved on behalf of the Council of Standards Australia on 14 May 2010.

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The following are represented on Committee WS-023:

- ACT Planning and Land Authority
 - Australian Industry Group
 - Master Plumbers Association of NSW
 - Master Plumbers, Gasfitters and Drainlayers New Zealand
 - Plastics Industry Pipe Association of Australia
 - Plumbing Products Industry Group
 - Queensland Brassware Industry Advisory Panel
 - South Australian Water Corporation
 - Sydney Water Corporation
 - Water New Zealand
 - Water Services Association of Australia
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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.

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**Part 3: Field testing and maintenance of
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-023, Backflow Prevention Devices for Water Supply, to supersede AS 2845.3—1993.

This Standard incorporates Amendment No. 1 (October 2010). 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.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australia/New Zealand Standard.

The objective of this Standard is to outline minimum requirements for the testing and maintenance of testable backflow prevention devices in the field.

This Standard is to be read in conjunction with the requirements of the relevant regulatory authority, and the manufacturer's instructions. The safety practices to be followed while performing field testing and maintenance work should comply with the applicable OH&S legislation and the relevant regulatory authority's procedures. The actions stipulated within this Standard are in addition to those requirements.

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.

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STANDARDS AUSTRALIA

Australian Standard**Water supply—Backflow prevention devices****Part 3: Field testing and maintenance of testable devices**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for field testing and maintenance of the following backflow prevention devices:

- (a) Registered break tank (RBT).
- (b) Registered air gap (RAG).
- (c) Pressure-type vacuum-breaker (PVB).
- (d) Spill resistant pressure vacuum breaker (SPVB).
- (e) Reduce-pressure-zone device (RPZD).
- (f) Double check-valve (DCV).
- (g) Reduced pressure detector assembly (RPDA).
- (h) Double check detector assembly (DCDA).
- (i) Single check-valve (testable) (SCVT).
- (j) Single check detector assembly (testable) (SCDAT).

1.2 APPLICATION

This Standard is to be read in conjunction with the requirements of the relevant regulatory authority, and the manufacturer's instructions.

NOTE: Testable devices should only be used where there is a maintenance program for device registration and test certification.

1.3 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

AS

1349 Bourdon tube pressure and vacuum gauges

AS/NZS

2845 Water supply—Backflow prevention devices

2845.1 Part 1: Materials, design and performance requirements

2845.2 Part 2: Registered air gaps and registered break tanks

3500 Plumbing and drainage

3500.0 Part 0: Glossary of terms