AS/NZS 2845.3:2020

Australian/New Zealand Standard™

Water supply — Backflow prevention devices

Part 3: Field testing and maintenance of testable devices

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This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee WS-023, Backflow Prevention Devices For Water Supply. It was approved on behalf of the Council of Standards Australia on 28 January 2020 and by the New Zealand Standards Approval Board on 4 December 2019.

This Standard was published on 14 February 2020.

The following are represented on Committee WS-023:

Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
Backflow Prevention Association of Australia
Department for Manufacturing, Innovation, Trade, Resources and Energy, SA
Environment and Planning Directorate, ACT
Master Plumbers Australia
Master Plumbers, Gasfitters and Drainlayers New Zealand
NSW Fair Trading
Plastics Industry Pipe Association of Australia
Plumbing Products Industry Group
Queensland Brassware Association
Victorian Building Authority
Water New Zealand
Water Services Association of Australia

This Standard was issued in draft form for comment as DR AS/NZS 2845.3:2018.

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ISBN 978 1 76072 727 7

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First published as AS 2845.3—1993.
Previous edition 2010.
Revised and redesignated as AS/NZS 2845.3:2020.

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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—2010.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand developed this Standard as a joint 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 WH&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" are used in Standards to define the application of the appendices 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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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).

(k) Atmospheric vacuum breakers (AVB).

NOTE Single check valve and single check detector assembly [Items (i) and (j)] do not apply to New Zealand).

1.2 Application

This Standard shall be read in conjunction with the manufacturer's instructions. The relevant legislation applies.

NOTE 1 Testable devices should only be used where there is a maintenance program for device registration and test certification.

NOTE 2 New Zealand requires backflow device installations to meet the New Zealand Building Code G12 and hazard identification requirements, regardless of any property compliance schedule set in place, or property type.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

AS/NZS 2845.1, *Water supply—Backflow prevention devices, Part 1: Materials, design and performance requirements*

AS 2845.2, *Water supply—Backflow preventions devices, Part 2: Registered air gaps and registered break tanks*

AS/NZS 3500.0, *Plumbing and drainage, Part 0: Glossary of terms*

AS/NZS 3500.1, *Plumbing and drainage, Part 1: Water services*

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