



# WSAA PRODUCT APPRAISAL CERTIFICATE

## Derwent Industries Pty Ltd Derwent Resilient Seated Gate Valves

This appraisal addresses Derwent resilient seated gate valves suitable for use in water supply and sewerage pressure pipelines.

The scope of this appraisal includes PN16 resilient seated gate valves in sizes DN 80 to DN 600 with flanged, socketed and spigotted ends, DN 80 to DN 300 with flange – spigot and flange – socket ends, DN 450 and DN 600 flanged bypass valves and DN 90 to DN 315 with restrained joints for PE pipe.

The valves are manufactured to AS/NZS 2638.2 *Gate valves for waterworks purposes, Part 2 Resilient seated* and are available with optional clockwise or anti-clockwise closure directions and may be operated with a key or handwheel.

A listing of Quality and Product Certification Certificates, details of products and supplier contacts are included in the attached Schedules A, B and C.

|                                   |  |
|-----------------------------------|--|
| <b>Product Category</b>           | Gate Valves  |
| <b>PA Number:</b>                 | PA 1511 Issue 4  |
| <b>Supplier</b>                   | Derwent Industries Pty Ltd   |
| <b>Brand</b>                      | Derwent  |
| <b>Standards</b>                  | AS/NZS 2638.2- <i>Gate valves for waterworks purposes, Part 2: Resilient seated</i>  |
| <b>WSAA Product Specification</b> | WSA PS 260 - <i>Gate Valves, Resilient Seated for Pressure Applications – Water Supply and Sewerage</i>  |
| <b>Issue date</b>                 | 11 <sup>th</sup> November 2020   |
| <b>Expiry date</b>                | 10 <sup>th</sup> November 2025   |
| <b>Recommendations</b>            | It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the Derwent range of resilient seated gate valves for use in water supply and sewerage pressure pipelines, provided they are installed in accordance with WSAA Codes and the manufacturers requirements, where specified. |
| <b>Disclaimer</b>                 | The disclaimer on Page 2 explains a number of very important limits on your ability to rely on the information in this Product Appraisal Certificate and the assessment criteria used to underlay it. Please read it carefully and take it into account when considering the content in this Certificate.                              |

## **1. Disclaimer**

This Product Appraisal Certificate (Certificate) is issued by WSAA on the understanding that:

This Certificate applies to the product(s) as submitted in Schedule A. Any changes to the product(s) either minor or major shall void this Certificate.

To maintain the recommendations of this Certificate any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Certificate including the product appraisal criteria underlying it and appropriate action. Appraisals and their recommendations will be the subject of continuous review dependent upon the satisfactory performance of products.

WSAA reserves the right to undertake random audits of product manufacture and installation. Where products fail to maintain appraised performance requirements the appraisal and its recommendations may be modified and reissued. Certificates will be reviewed and reissued at regular intervals not exceeding five (5) years.

WSAA reserves the right to withdraw this Certificate at any time in its sole and absolute discretion for any reason.

The following information explains a number of very important limits on your ability to rely on the information in this Certificate. Please read it carefully and take it into account when considering the contents of this Certificate.

Any enquiries regarding this Certificate should be directed to the Product Appraisal Manager Phone: 03 8605 7601 email [carl.radford@wsaa.asn.au](mailto:carl.radford@wsaa.asn.au).

### **1.1. Issue of Certificate**

This Certificate has been published and/or prepared by WSAA and nominated Project Manager and peer group of technical specialists (the Publishers).

The Certificate and the underlying product appraisal criteria have been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Certificate (the Recipients).

By accepting this Certificate, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Certificate and product appraisal criteria underlying it that the Recipient has understood and accepted the terms of this Disclaimer.

### **1.2. Limits on Reliance on Information and Recommendations**

#### **1.2.1. Disclaimer of liability**

Neither the Publisher(s) nor any person involved in the preparation of the Certificate and product appraisal criteria underlying it accept(s) any liability for any loss or damage suffered by any person however caused (including negligence or the omission by any person to do anything) relating in any way to the Certificate or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Certificate or any errors or omissions.

#### **1.2.2. Intellectual Property and other rights**

WSAA does not undertake any assessment of whether the importation, manufacture, sale or use of the Product the subject of this Certificate infringes the intellectual property rights or proprietary rights of any person. Recipients of the Certificate should undertake their own assessment of whether (as relevant) the importation, manufacture, sale or use of the relevant Products infringe the intellectual property rights or other proprietary rights of any person. If the Product infringes intellectual property rights or other proprietary rights there is potential for the supply of the Products to be interrupted.

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#### **1.2.3. Need for independent assessment**

The information and any recommendation contained (expressly or by implication) in this Certificate are provided in good faith (and subject to the limitations noted in this Certificate). However, you should treat the information as indicative only. You should not rely on that information or any such recommendation except to the extent that you reach an agreement to the contrary with the Publisher(s).

This Certificate does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it. The product appraisal criteria used in preparing this Certificate may not address all relevant aspects of the Product.

Recipients should seek independent evidence of any matter which is material to their decisions in connection with an assessment of the Product and consult their own advisers for any technical information required. Any decision to use the Product should take into account the reliability of that independent evidence obtained by the Recipient regarding the Product. Recipients should also independently verify and assess the appropriateness of any recommendation in the Certificate, especially given that any recommendation will not take into account a Recipient's particular needs or circumstances.

WSAA has not evaluated the extent of the product liability and professional indemnity insurance that the provider of the product maintains. Recipients should ensure that they evaluate the allocation of liability for product defects and any professional advice obtained in relation to the product or its specification including the requirements for product liability and professional indemnity insurance.

### **1.3. No Updating**

Neither the Publisher(s) nor any person involved in the preparation of this Certificate or the product appraisal criteria underlying it [has] [have] any obligation to notify you of any change in the information contained in this Certificate or of any new information concerning the Publisher(s) or the Product or any other matter.

### **1.4. No Warranty**

The Publisher(s) do[es] not, in any way, warrant that steps have been taken to verify or audit the accuracy or completeness of the information in this Certificate, or the accuracy, completeness or reasonableness of any recommendation in this Certificate

**APPENDIX A - QUALITY AND PRODUCT CERTIFICATIONS**

Copies of the following Quality and Product Certification Certificates are available for downloading from the WSAA members website.

**TABLE A1**

**DERWENT INDUSTRIES PTY LTD– MANAGEMENT SYSTEMS**

|  |               |
|--|---------------|
| 102-104 Sunderland Street, Derwent Park, TAS<br>8 Stead Street Wodonga VIC |               |
| Quality Systems Standard   | ISO 9001:2015 |
| Certification licence no.  | QEC 2004      |
| Certifying agency  | SAI-Global    |
| First date of certification  | 8 August 1994 |
| Current date of certification  | 6 August 2018 |
| Expiry date of certification   | 4 July 2021   |

**TABLE A2**

**DERWENT INTERNATIONAL PTY LTD – PRODUCT CERTIFICATION**

|                                      |                    |
|--------------------------------------|--------------------|
| 17 Metcalf Drive Dandenong South VIC |                    |
| Product Standard                     | AS/NZS 2638.2:2011 |
| Certification licence no.            | SMK25890           |
| Issuing certification body           | SAI-Global         |
| First date of certification          | 4 May 2015         |
| Current date of certification        | 1 June 2020        |
| Expiry date of certification         | 3 May 2025         |



APPENDIX B PRODUCT LITERATURE



Resilient Seated Gate Valve

**D**erwent International Resilient Seated Gate Valves, made in conjunction with AFC, are manufactured to AS/NZS 2638.2. The Gate Valves are light weight and applicable for water and waste water applications.

Features:

- Ductile Iron body and bonnet to AS 1831.
- Wedge is Ductile Iron AS 1831, fully encapsulated (Vulcanized) EPDM Rubber to AS1646 and AS681.1.
- Forged Stem: 431 Stainless Steel to ASTM A276, providing excellent corrosion and strength, reducing moving parts.
- Bolts are all 316 Stainless Steel to ASTM A276, hot melt encapsulated for superior corrosion resistance in harsh environments.
- Fusion Bonded Epoxy coated to AS/NZS 4158 provides the valve excellent corrosion protection.
- Valves are available in both Anticlockwise and Clockwise configuration. Valves are supplied with Key Cap as standard, Hand Wheel is optional.
- The wedge is designed with abrasion resistant nylon guides which reduce the required opening and closing torque through smooth operation.



Applications:

The Derwent International Gate Valves are for use in Potable Water, Waste Water, Fire, Irrigation, Water Circulation and Heating and Cooling applications and are suitable for both above and below ground installation.

For Gate Valve identification see back page of brochure.

Technical Information:

Size range: DN 80-DN 600  
(DN50 and DN65 also available not to AS/NZS2638.2)  
Allowable Operating Pressure: 1600 kPa; 1.6 Mpa  
Maximum Test Pressure: 2400 kPa, 2.4 Mpa  
Maximum Temperature: 40 Deg C  
End Connection: Flanged to AS 4087  
(Table E drilling also available for DN 150 and above)  
Socketed, Spigoted and Roll Grooved  
Certification: SAI Global  
Watermark Lic. No. 25890  
Standards Mark Lic. No. 25890  
WSAA Appraisal No. PA1511





## Resilient Seated Bypass Valves

Derwent Resilient Seated Bypass Valves, made in conjunction with AFC, are manufactured to AS/NZS 2638.2. The Gate Valves are applicable for water and waste water applications. Valves are available in both Anticlockwise and Clockwise configuration. Valves are supplied with Key Cap as standard, with ISO mounting plate for fitting handwheel, gearbox or actuator.

### Features & Configurations:

- **Material:** Ductile Iron Body and Bonnet to AS 1831
- **Wedge:** Ductile Iron AS 1831, fully encapsulated (Vulcanized) EPDM Rubber to AS1646 and AS68 1.1. The wedge is designed with abrasion resistant nylon guides which reduce the required opening and closing torque through smooth operation
- **Stem:** 431 Stainless Steel to ASTM A276, providing excellent corrosion and strength, reducing moving parts
- **Bolts:** 316 Stainless Steel to ASTM A276, hot melt encapsulated for superior corrosion resistance in harsh environments
- **Coating:** Fusion Bonded Epoxy coated to AS/NZS 4158 provides the valve excellent corrosion protection



### Applications:

The Derwent Bypass Valves are for use in Potable Water, Waste Water, Fire, Irrigation, Water Circulation and Heating and Cooling applications and are suitable for both above and below ground installation.

### Technical Information:

|                               |   |
|-------------------------------|---|
| Size range:                   | DN 450 with 100mm Bypass<br>DN 600 with 150mm Bypass    |
| Allowable Operating Pressure: | 1600 kPa; 1.6 Mpa                                       |
| Maximum Test Pressure:        | 2400 kPa, 2.4 Mpa                                       |
| Maximum Temperature:          | 40 Deg C  |
| End Connection:               | Flanged to AS 4087<br>(Table E drilling also available) |
| Certification:                | SAI Global  |
| WSAA Appraisal No.            | PA1511  |
| Watermark Lic. No. 25890      | Standards Mark Lic. No. 25890                           |



**DERWENT  
INTERNATIONAL**

### RSGV - Gripper Series for PE

**D**erwent International Resilient Seated Gate Valves (Gripper) for PE, made in conjunction with AFC, are manufactured to AS/NZS 2638.2. The Gate Valves are light weight and applicable for water and waste water applications.

#### Features:

- Ductile Iron body and bonnet to AS 1831.
- Wedge is Ductile Iron AS 1831, fully encapsulated (Vulcanized) EPDM Rubber to AS1646 and AS681.1.
- Forged Stem: 431 Stainless Steel to ASTM A276, providing excellent corrosion and strength, reducing moving parts.
- Bolts are all 316 Stainless Steel to ASTM A276, hot melt encapsulated for superior corrosion resistance in harsh environments.
- Fusion Bonded Epoxy coated to AS/NZS 4158 provides the valve excellent corrosion protection.
- Valves are available in both Anticlockwise and Clockwise configuration. Valves are supplied with Key Cap as standard, Hand Wheel is optional.
- The wedge is designed with abrasion resistant nylon guides which reduce the required opening and closing torque through smooth operation.



#### Applications:

The Derwent International Gate Valves are for use in Potable Water, Waste Water, Fire, Irrigation, Water Circulation and Heating and Cooling applications and are suitable for both above and below ground installation.

#### Distributed By::

Derwent Industries Pty Ltd  
Web: [www.derwentindustries.com.au](http://www.derwentindustries.com.au)

#### Technical Information:

|                               |                   |
|-------------------------------|-------------------|
| Size range:                   | DN 80 - DN 300    |
| Allowable Operating Pressure: | 1600 kPa; 1.6 Mpa |
| Maximum Test Pressure:        | 2400 kPa, 2.4 Mpa |
| Maximum Temperature:          | 40 Deg C          |
| Certification:                | SAI Global        |
| StandardsMark:                | SMK25890          |

## APPENDIX C SUPPLIER CONTACTS

### **Derwent Industries Pty Ltd**

17 Metcalf Drive  
Dandenong South Vic 3175

Contact: Stuart Evans

Phone: 03 9792 1509

Mobile: 0409 532 154

Email: [stuart@derwentindustries.com.au](mailto:stuart@derwentindustries.com.au)

Web: [www.derwentindustries.com.au](http://www.derwentindustries.com.au)