

WSAA PRODUCT APPRAISAL CERTIFICATE

Daemco Australia Pty Ltd – Daemco Resilient Seated Gate Valves

Daemco Resilient Seated Gate Valves have been appraised for compliance with the requirements of AS/NZS 2638.2:2011 and WSAA Product Specifications WSA PS 260 and WSA PS 281.

The scope of this appraisal includes PN 16 resilient seated gate valves with flanged, socketed, spigotted and PE restraint joints ends. A listing of Quality and Product Certification Certificates and products is included in the attached Schedules A and B.

Product Category	Resilient Seated Gate Valves
PA Number:	PA 1517 Issue 4
Supplier	Daemco Australia Pty Ltd
Brand	DAEMCO
Standards	AS/NZS 2638.2:2011 <i>Gate valves for waterworks purposes, Part 2: Resilient-seated</i>
WSAA Product Specification	<p>WSA PS-260 <i>Gate Valves, Resilient Seated for Pressure Applications – Drinking Water, Non-Drinking Water Supply and Sewerage</i></p> <p>WSA PS 281 - <i>Gate Valves, Resilient Seated with Restrained Flexible Joints for Polyethylene Pipe in Pressure Applications – Drinking Water, Non-Drinking Water Supply and Sewerage</i></p>
Other Specifications	
Issue date	28 May 2021
Expiry date	27 May 2026
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the Daemco range of resilient seated gate valves, as detailed in this report for use in water supply and sewerage pressure pipelines, provided any relevant conditions relating to the design, installation and acceptance testing are in accordance with relevant standards, WSAA Codes and manufacturer's requirements.
Disclaimer	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 (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.

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.

From time to time WSAA and the other Publishers may receive notice of allegations that the importation, manufacture, sale or use of the Product infringes intellectual property rights or other proprietary rights. WSAA's policy is to not refer to such allegations in its Certificate or take any other steps to put Recipients on notice of such allegations. If, however, WSAA becomes aware that the allegations have been admitted or proved in Court, then WSAA may, at its discretion, take such steps as it considers appropriate. As such, Recipients acknowledge, agree and accept that WSAA may have information in its possession about intellectual property rights infringement allegations or other infringement allegations in relation to the Product which are not referred to or disclosed in this Certificate and which are not otherwise communicated to Recipients.

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.

QUALITY CERTIFICATIONS

Copies of the following Quality Certification Certificates are available from WSAA.

TABLE A1 DAEMCO AUSTRALIA PTY LTD– MANAGEMENT SYSTEMS

215 Bell Street, Preston, Victoria	
Quality Systems Standard	ISO 9001:20015
Certification Licence No.	87603136670Q
Certifying Agency	Best Practice Certification
First Date of Certification	8 August 2016
Current Date of Certification	7 August 2019
Expiry Date of Certification	7 August 2022

TABLE A2 DALIAN RELIABLE INDUSTRIAL CO LTD – MANAGEMENT SYSTEMS

No.158 Youhao Road, Zhongshan District Dalian, Liaoning Province, PRC	
Quality Systems Standard	ISO 9001:20015
Certification Licence No.	01 100 039053
Certifying Agency	TUV Rheinland
First Date of Certification	2005
Current Date of Certification	17 January 2020
Expiry Date of Certification	16 January 2023

TABLE A3 – DAEMCO AUSTRALIA – PRODUCT CERTIFICATION

215 Bell Street, Preston, Victoria	
Product Standard/Spec.	AS/NZS 2638.2:2011
Certificate No.	OMK22535
Issuing Certification Body	IAPMO R&T Oceana
First Date of Certification	25 February 2016
Current Date of Certification	25 February 2021
Expiry Date of Certification	24 February 2026



PRODUCT LITERATURE



IN BRIEF

Resilient Seat Gate valves manufactured and certified to AS/NZS 2638.2. Suitable for potable water, recycled water, waste water, irrigation, above and below ground installations.

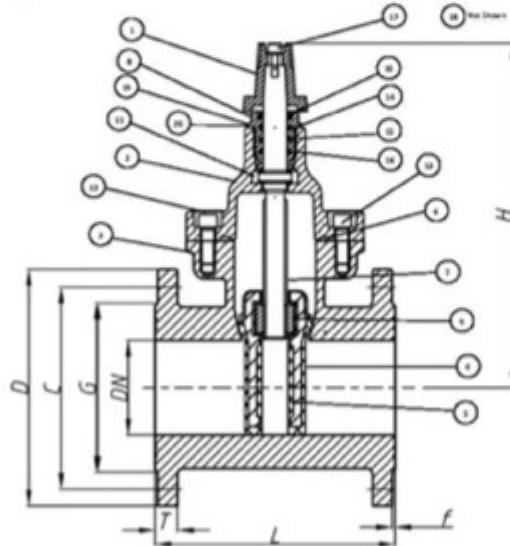
COMPLIANCE

Standard: AS/NZS 2638.3 (WM-22535, OMK22535)
 Range: DN80 – DN375 Flange Flange
 DN80 – DN300 Socket Socket
 DN80 – DN300 Spigot Spigot
 DN125 – DN180 HDPPE
 Pressure: Allowable Operating Pressure 1600 kPa (PN16)
 Maximum Body Pressure 2400 kPa
 Maximum Seat Pressure 1760 kPa
 Temperature: Max 40°C for potable water applications
 Max 80°C

End Connections: AS/NZS 2280 Socket and Spigot

Closing: Anti-Clockwise (ACC) and Clockwise (CC)

Options: Handwheel



Detail

DN	L				H	Flange					
	FI FI	SoSo	SpSp	PePe		D	C	f	B5	T	n-Ød
80	203	290	309	-	290	185	146	3.0	122	18	4-18
100/125	229	290	330	306	325	215	178	3.0	154	20	4-18
150/180	267	330	341	394	400	280	235	3.0	211	23	8-18
200	292	370	380	-	558	335	292	3.0	268	23	8-18
225	305	400	400	-	570	370	324	3.0	300	24	8-18
250	330	420	420	-	664	405	356	3.0	328	24	8-22
300	356	498	500	-	730	455	406	4.0	378	30	12-22
375	381	-	-	-	890	550	495	4	463	33	12-26

RESILIENT SEAT GATE VALVES
DN80 – DN375 PN16



FEATURES

- Ductile iron wedge encapsulated and fully vulcanized
- Stem 431 grade stainless steel for ultimate corrosion resistance
- All bolts are 316 grade stainless steel
- Smooth opening/closing by use of Nylon guides on wedge
- Full bore waterway

COMPONENTS

No.	Part	Material	Grade	Standard
1	Valve Cap	Ductile Iron	500-7	AS 1831
2	Bonnet	Ductile Iron	500-7	AS 1831
3	Body	Ductile Iron	500-7	AS 1831
4	Wedge	Ductile Iron	500-7	AS 1831
		Rubber	EPDM	AS 1546
5	Nylon Slide	Engineered Plastic	Nylon 66	Commercial
6	Rubber Seal	Rubber	EPDM	AS 1546
7	Stem	Stainless Steel	S316	ASTMA276
8	Gland Nut	Copper Alloy	C83600	AS 1568
9	Driving Nut	Copper Alloy	C83600	AS 1568
10	Scaper Seal	Engineered Plastic	Nylon 66	Commercial
11	Thrust Washer	Engineered Plastic	Nylon 66	Commercial
	Cap	Engineered Plastic	Nylon 66	Commercial
12	Infil	Hot Melt	Silicon	Commercial
13	Bolt	Stainless Steel	S316	ASTMA276
14	O ring	Rubber	NBR	AS 1546
15	O ring	Rubber	NBR	AS 1546
16	O ring	Rubber	NBR	AS 1546
17	Valve Cap Bolt	Stainless Steel	S316	ASTMA276
18	Lifting Lugs	Steel	Galvanized	Commercial
19	Gland Flange	Stainless Steel	S316	ASTMA276

Daemco Australia Pty Ltd Gnd Floor 215 Bell St, Preston VIC 3072 - T +61 3 9861 6818 E enquiries@daemco.com.au W daemco.com.au
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SUPPLIER CONTACTS

Daemco Australia Pty Ltd

Ground Floor, 215 Bell St, Preston Vic 3072

Contact: Anthony Favero

Phone: 03 9863 6838

Mobile: 0431 974 150

Email: afavero@daemco.com.au

Web: www.daemco.com.au