

WSAA PRODUCT APPRAISAL CERTIFICATE

AVK Australia Holding Pty Ltd Ductile Iron Fittings

This appraisal is for a range of AVK branded DI polymeric coated ductile iron pipeline fittings in sizes from DN 80 to DN 750 with pressure classes PN 16 and PN 35, manufactured in accordance with AS/NZS 2280:2020 *Ductile iron pipes and fittings*.

Quality Certificates and details of products are included in the attached Schedules A and B.

Product Category	Ductile iron fittings
PA Number:	PA 2204 Issue 2
Applicant:	AVK Australia Holding Pty Ltd
Brand	AVK
Standards	AS/NZ 2280:2020 <i>Ductile iron pipes and fittings</i>
WSAA Product Specification	WSA PS 201 <i>Ductile Iron Fittings (CIOD) for Pressure and Non-Pressure Applications – Drinking Water and Non-Drinking Water Supply and Sewerage</i>
Other Specifications	
Issue date	7 August 2023
Expiry date	7 September 2027
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the range of AVK ductile iron fittings in sizes from DN 80 to DN 750 for use in water supply and sewerage pressure pipelines, provided they are manufactured and installed in accordance with applicable WSAA Codes and the manufacturer's requirements, where specified.
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 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 AND PRODUCT CERTIFICATIONS

Copies of the following Quality Certificates are available from WSAA.

TABLE A1
AVK AUSTRALIA HOLDING PTY LTD – MANAGEMENT SYSTEMS

559A Grand Junction Road, Wingfield, SA	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	QEC13894
Certifying Agency	SAI-Global
First Date of Certification	30 April 2001
Current Date of Certification	10 February 2021
Expiry Date of Certification	14 February 2024

TABLE A2
AVK VALVES (ANHUI) CO LTD – MANAGEMENT SYSTEMS

Wujiang Industrial Park Hexian Ma'anshan City Anhui China	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	FM 84039
Certifying Agency	BSI
First Date of Certification	9 July 2004
Current Date of Certification	8 October 2021
Expiry Date of Certification	7 October 2024

TABLE A3
AVK AUSTRALIA HOLDING PTY LTD – PRODUCT CERTIFICATION

559A Grand Junction Road, Wingfield, SA.	
Product Standard/Spec.	AS/NZS 2280:2020
Certificate No.	SMKP20172
Issuing Certification Body	SAI-Global
First Date of Certification	19 September 2003
Current Date of Certification	18 July 2023
Expiry Date of Certification	9 January 2025



PRODUCT LITERATURE

DUCTILE IRON FITTINGS FOR WATER

 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 SOxSO Bend DN100-750 PN35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Flanged Bend DN80-750 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087 Duckfoot Bend DN100-600 PN16/35</p>
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Flanged Bellmouth DN100-600 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087 Hydrant Riser DN80-150 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 SO-SOxSO Tee DN100-750 PN35</p>
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087 Hydrant Bend DN100-150 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Washout Bend DN100-150 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087 SO-SPxFL Tee Air Valve & Hydrant DN100-750 PN16/35</p>
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 SO-SOxFL Tee DN100-750 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 SP-SPxFL Tee DN80-750 PN16/35</p>	
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Invert Scour Tee SO-SOxFL DN100-750 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Flanged Tee DN80-750 PN16/35</p>	 <p>Series 718 Ductile Iron Fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 Flanged Taper DN100-750 PN16/35</p>
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 SOxSO Taper DN150-750</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Pre-tapped Connector for house service connections Single & multiple outlets Options: • DN100-300, PN35 for single outlets • DN100-150, PN16 for multiple outlets</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 End Cap DN80-750 PN35</p>
 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 FL-SP Connector DN80-750 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 Flanged dimensions to AS 4087/AS 2129 FL-SOC Connector DN80-750 PN16/35</p>	 <p>Series 718 Ductile Iron fitting to AS/NZS 2280 SOC-SOC Connector DN100-750 PN35</p>



SUPPLIER CONTACTS

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