



All Valve Industries Pty Ltd

PRODUCT APPRAISAL REPORT 1927 Issue 2

DN 20 Metal Bodied Water Meter Assembly Ball Valves for Property Service Applications

AS 4796:2016 Water supply – Metal bodied and plastic - bodied ball valves for property service connection

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Name/Title	Organisation	Date
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Peter Pittard, WSAA Consultant	WSAA	29 January 2020
Carl Radford, Product Appraisal Manager	WSAA	26 February 2020
Peter Pittard, WSAA Consultant	WSAA	5 December 2022
Carl Radford, Product Appraisal Manager	WSAA	8 December 2022

Overview of WSAA

The Water Services Association of Australia (WSAA) is the peak industry body representing the urban water industry. Our members provide water and sewerage services to over 20 million customers in Australia and New Zealand and many of Australia's largest industrial and commercial enterprises.

Based around our vision of 'customer driven, enriching life', WSAA facilitates collaboration, knowledge sharing, networking and cooperation within the urban water industry. We are proud of the collegiate attitude of our members which has led to industry-wide approaches to national water issues.

WSAA can demonstrate success in the standardisation of industry performance monitoring and benchmarking, as well as many research outcomes of national significance. The WSAA Executive retains strong links with policy makers and legislative bodies and their influencers, to monitor emerging issues of importance to the urban water industry.

WSAA was formed in 1995 as a non-profit organisation to foster the exchange of information between industry, government and the community, and to promote sustainable water resource management.

The urban water industry is committed to anchoring its services to customers' values, and to enrich communities where water services have broad economic, environmental and social values. In line with this our main activities focus on four areas:

1. influencing national and state policies on the provision of urban water services and sustainable water resource management
2. promoting debate on environmentally sustainable development and management of water resources and the community health requirements of public water supplies
3. improving industry performance and establishing benchmarks and industry leading practices for water service processes; and
4. fostering the exchange of information on education, training, research, water and wastewater management and treatment and other matters of common interest.

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1 EXECUTIVE SUMMARY

All Valve Industries Pty Ltd is a developer and provider of pressure, flow, temperature, environmental control, measurement and monitoring systems. The company was established in 1988 and is currently located in Kurnell, NSW.

Airaga Rubinetteria S.p.A, based in Gozzano, Italy, is a specialist manufacturer of copper alloy and stainless-steel ball valves and associated fittings for the water, gas, heating and industrial segments.

This appraisal is for DN 20 metal-bodied ball valves for meter assembly applications.

This issue 2 is to include additional ball valves with end type connections to suit DN 20 ball joint union meters (NSW/ACT) and also to provide an alternative method of connection to water meter assembly brackets.

The ball valves are rated as PN 16 and are operated using a lockable lever handle.

The end configurations are:

- (a) DN 25 PE compression joint to nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (b) ¾" female thread (with 1" male thread to facilitate connection to a water meter assembly bracket) to 1" nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (c) ¾" female thread (with a grooved spigot and circlip to facilitate connection to a water meter assembly bracket) to nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (d) ¾" female thread (with 1" male thread to facilitate connection to a water meter assembly bracket) to ball joint union (swivel nut) for connection to a NSW/ACT water meter.
- (e) ¾" female thread (with a grooved spigot and circlip to facilitate connection to a water meter assembly bracket) to ball joint union (swivel nut) for connection to a NSW/ACT water meter.

The ball valves are manufactured from dezincification resistant copper alloy and incorporate a Grade 316 stainless steel ball.

Both All Valve and Airaga have ISO 9001 certification.

The ball valves have ISO Type 5 StandardsMark product certification.

The Airaga ball valves described within this appraisal meet the requirements of WSA PS - 274 *Ball Valves for Pressure Applications – Drinking Water and Non-Drinking Water Supply* and are therefore deemed as 'fit for purpose'.

1.2 Recommendations

It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Airaga DN 20 metal bodied ball valves for water meter assemblies, as detailed in Section 4 of this report, for use in water meter assemblies for water supply applications, provided they are installed in accordance with WSAA Codes and the manufacturer's requirements, where specified.

2 THE APPLICANT

The applicant is All Valve Industries Pty Ltd.

2.1 The Supplier

All Valve Industries Pty Ltd is a developer and provider of pressure, flow, temperature, environmental control, measurement and monitoring systems. The company was established in 1988 and is currently located in Kurnell, NSW and operates a distribution centre in Perth, WA. In 2010, Caleffi, a leading supply partner and one of the world's largest manufacturers

of components for plumbing, heating, air conditioning and renewable systems became a shareholder in All Valve Industries.

2.2 The Manufacturer

Airaga Rubinetterie S.p.A, based in Gozzano, Italy, is a specialist manufacturer of copper alloy and stainless-steel ball valves and associated fittings for the water, gas, heating and industrial segments.

3 THE PRODUCT

This appraisal is for DN 20 metal-bodied copper alloy ball valves for meter assembly applications.

The end configurations are:

- (a) DN 25 PE compression joint to nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (b) $\frac{3}{4}$ " female thread (with 1" male thread to facilitate connection to a water meter assembly bracket) to 1" nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (c) $\frac{3}{4}$ " female thread (with a grooved spigot and circlip to facilitate connection to a water meter assembly bracket) to nut and tail union (swivel nut) for connection to a standard domestic water meter.
- (d) $\frac{3}{4}$ " female thread (with 1" male thread to facilitate connection to a water meter assembly bracket) to ball joint union (swivel nut) for connection to a NSW/ACT water meter.
- (e) $\frac{3}{4}$ " female thread (with a grooved spigot and circlip to facilitate connection to a water meter assembly bracket) to ball joint union (swivel nut) for connection to a NSW/ACT water meter.

The ball valves are rated as PN 16 and are operated using a tamper proof lockable lever handle. See Figure 1.



**DN 25 PE JOINT
NUT AND TAIL UNION (STD METER)**



**$\frac{3}{4}$ " FEMALE/1" MALE
TO NUT AND TAIL UNION (STD METER)**



**$\frac{3}{4}$ " FEMALE/ GROOVED SPIGOT
TO NUT AND TAIL UNION (STD METER)**



3/4" FEMALE/1" MALE

TO BALL JOINT UNION (NSW/ACT METER)



3/4" FEMALE/ GROOVED SPIGOT

TO BALL JOINT UNION (NSW/ACT METER)

FIGURE 1 METER ASSEMBLY BALL VALVES

The swivel nuts are suitable for joining to the male threads on either a standard nut and tail type 3/4" domestic water meter or ball joint type 3/4" NSW/ACT water meter.

The spigot end of the 3/4" female thread has an external 1" thread to facilitate fitment to the water meter assembly bracket using a nut. Alternatively, a plain spigot end with a groove and circlip is also available.

The PE compression joint is designed and tested to suit DN 25 PN16 polyethylene pipe. The joints are not recommended for PE pipe with lower ratings than PN16.

The ball valves are manufactured from dezincification resistant copper alloy and incorporate a Grade 316 stainless steel ball with a clear bore diameter of 20 mm.

The ball valves are generally utilised as part of a water meter assembly; however, the valves may be also purchased individually. See Figure 2.



FIGURE 2 WATER METER ASSEMBLY

4 SCOPE OF THE APPRAISAL

The ball valves included in this appraisal are detailed in Table 1 and included in the ISO Type 5 StandardsMark product certification product schedule attached in Appendix B.

TABLE 1**WATER METER ASSEMBLY BALL VALVES**

Product Code	DN	End Connections
019402506	20	DN 25 PE compression joint to nut and tail union (std meter)
0194A0606	20	¾" BSP female thread/1" male thread to nut and tail union (std meter)
019400506	20	¾" BSP female thread/grooved spigot to nut and tail union (std meter)
0194A0607R1	20	¾" BSP female thread/1" male thread to ball joint union (NSW/ACT meter)
019400507R1	20	¾" BSP female thread/grooved spigot to ball joint union (NSW/ACT meter)

5 APPRAISAL CRITERIA**5.1 Quality Assurance Requirements**

The WSAA Product Appraisal Technical Advisory Group accepts ball valves manufactured in compliance with AS 4796:2016 *Water supply – Metal bodied and plastic bodied ball valves for property service connection* and duly certified by means of an ISO Type 5 product certification scheme undertaken by a JAS-ANZ accredited Conformity Assessment Body (CAB) or by an international accreditation system recognised by JAS-ANZ.

The manufacturer is generally expected to have a production management and control system that has been duly accredited in accordance with AS/NZS ISO 9001 as a prerequisite to undergoing a product certification audit.

The ISO Type 5 Product Certification Scheme shall meet the criteria described in WSA TN-08.

5.2 Performance Requirements

Airaga ball valves have been appraised for compliance with AS 4796:2016 *Water supply – Metal bodied and plastic bodied ball valves for property service connection*. The following Product Specification is relevant to this application:

WSA PS - 274 *Ball Valves for Pressure Applications – Drinking Water and Non-Drinking Water Supply*.

A copy of the Product Specification is available at the following link:

<https://www.wsaa.asn.au/shop/product/60961>

6 COMPLIANCE WITH APPRAISAL CRITERIA**6.1 Compliance with Quality Assurance Requirements**

All Valve has submitted the following quality certificates:

- ISO 9001:2015 Certificate of Registration No. 268807-2018-AQ-AUS-JAS-ANZ issued to All Valve Industries Pty Ltd by DNV.
- ISO 9001:2015 Certificate of Registration No. 248-A issued to Airaga Rubinetterie S.p.A by Kiwa Cermet Italia S.p.A.

- AS 4796:2016 ISO Type 5 StandardsMark Product Certification Licence No. SMK26442 issued to Airaga Rubinetterie S.p.A by SAI Global.

Copies of the Quality Assurance and Product Certification licences have been included in Appendix B and are also available from WSAA.

6.2 Compliance with Performance Requirements

6.2.1 Type testing

All Valve has provided type test results for a DN 20 ball valve to demonstrate compliance to the performance requirements of AS 4796. Queensland Testing Laboratory Pty Ltd (QTL), NATA Accredited Laboratory No. 14783, conducted the tests.

The tests successfully completed for PN16 rated valves were: minimum bore diameter, watertightness, strength, torque test for connector nuts, torque test for valve operation.

Type test results conducted by QTL have also been submitted to demonstrate compliance of the DN 25 PE compatible compression joints to AS/NZS 4129. Tests successfully conducted were: hydrostatic pressure, infiltration, pull-out and leak tightness when subjected to bending.

6.2.2 End connections

The Airaga ball valves are offered with end connections as described below:

- Union (Swivel Nut) for nut and tail type connection
The threads on this nut are parallel and suitable for joining to the male threads on a standard DN 20 domestic water meter
- Union (Swivel Nut) for ball joint type connection
The threads on this nut are parallel and suitable for joining to the male threads on a DN 20 NSW/ACT domestic water meter (which is different to other states)
- PE Compatible Mechanical Compression Joint
This joint complies with AS/NZS 4129 *Fittings for polyethylene (PE) pipes* and have been type tested by QTL. The joint design is suitable for PN 16 PE 100 pipe to AS/NZS 4130.
- Female Thread
These threads are parallel complying with AS ISO 7.1 Series R_p
- Male Thread
These threads are parallel and are provided on the spigot end of the ball valve to allow the valve to be secured onto the meter assembly bracket using a nut.
- Plain end with groove
This connection is designed as an alternative method to secure the ball valve to water the meter assembly bracket using a circlip.

6.2.3 Suitability for contact with drinking water

All Valve has submitted a complying Test Report from Standardmark Lab, Standards Malaysia Accreditation No 786, dated 22 July 2019, for an Airaga DN 20 ball valve to demonstrate compliance with AS/NZS 4020:2018 *Testing of products for use in contact with drinking water*, using a scaling factor of 0.01.

6.2.4 Components material list

The material specifications for the components used for Airaga metal bodied ball valves are given in Table 2.

All copper alloy components are manufactured from EN 12165 Grade CW602N, also known as CZ132 and is approximately equivalent to Grade C35200 of AS/NZS1567. This alloy is a leaded arsenical brass (CuZn36Pb2As). A test report from Universal Scientific Laboratory, (NATA Certification No. 492) has been submitted to demonstrate compliance with AS2345 *Dezincification of copper alloys*.

A test report from Universal Scientific Laboratory has also been submitted to demonstrate compliance of the ball material to Grade 316 stainless steel

TABLE 2
AIRAGA COMPONENTS MATERIAL LIST


Component	Material	Standard	Grade
Body	Copper Alloy	EN 12165	CW602N
Seat	PTFE	-	-
Ball	Stainless Steel	ASTM A276	316
Spindle	Copper Alloy	EN 12164	CW602N
Handle	Copper Alloy	EN 12164	CW602N
O-Rings	EPDM	ASTM D2000	IRHD 70
Nuts	Copper Alloy	EN 12164	CW602N

7 FITTING INSTRUCTIONS, TRAINING AND INSTALLATION

Ball valves are standard water industry products. An installation guide is provided in Appendix A.

8 PRODUCT MARKING

The Airaga ball valves have the following markings in compliance with AS 4796:

- Manufacturer's name or trademark – Airaga Logo 
- Nominal size – DN 20
- Pressure classification: PN16
- The number of this standard: AS 4796
- StandardsMark and licence No: ✓✓✓✓✓ SMK 26442
- Batch marking: yyww

9 PACKAGING AND TRANSPORTATION

The ball valves are packaged in pairs in plastic bags and packed into cardboard cartons with 24 valves. The valves are usually supplied in pairs for water meter assembly however may be supplied separately.

10 PRODUCT WARRANTY

The products are covered by the normal commercial and legal requirements of the *Competition and Consumer Act 2010 (Cth)*, which covers manufacture to the relevant standard, and details of All Valve's warranty is included in their terms and conditions of sale.

11 WATER AGENCY EXPERIENCE WITH THE PRODUCT OR FIELD-TESTING REPORT

Ball valves are considered standard products. Installation trials were not required as part of this Appraisal.

12 OUTCOMES OF EXPERT PANEL PRODUCT REVIEW

No issues were raised.

13 FUTURE WORKS

There are no future works requirements.

14 DISCLAIMER

This Product Appraisal Report (Report) is issued by the Water Services Association of Australia Limited on the understanding that:

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

To maintain the recommendations of this Report any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Report 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. Appraisal reports will be reviewed and reissued at regular intervals not exceeding five (5) years.

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

Any enquiries regarding this report should be directed to the Program Manager, Carl Radford, Phone: 03 8605 7601 email carl.radford@wsaa.asn.au.

14.1 Issue of Report

This Report has been published and/or prepared by the Water Services Association of Australia Limited and nominated Project Manager and peer group of technical specialists (the Publishers).

The Report has been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Report (the Recipients).

By accepting this Report, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Report that the Recipient has understood and accepted the terms of this Disclaimer.

14.2 Limits on Reliance on Information and Recommendations

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Neither the Publisher(s) nor any person involved in the preparation of the Report 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 Report or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Report or any errors or omissions.

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The information and any recommendation contained (expressly or by implication) in this Report are provided in good faith (and subject to the limitations noted in this Report). 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 Report does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it (Product). The product appraisal criteria used in preparing this Report 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 Report, 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.

14.3 No Updating

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

14.4 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 Report, or the accuracy, completeness or reasonableness of any recommendation in this Report.

APPENDIX A – PRODUCT LITERATURE

WATER SERVICE BALL VALVES

20MM

SERIES 194



All Valve
INDUSTRIES



CIVIL BALL VALVES FOR COLD WATER METER INSTALLATIONS

FUNCTION AND FEATURES

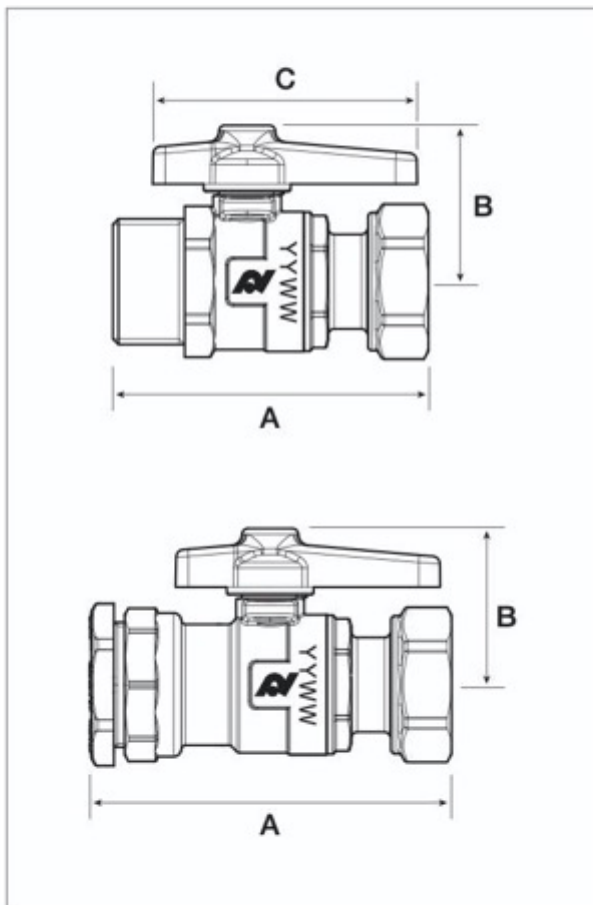
- | | |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <p>■ Integrated meter connection
Meter connection on valve offers an ultra compact design with no leak points.</p> | <p>■ Lockable handle
The handle can be locked in the off position as required by some water authorities.</p> |
| <p>■ Quality components
High quality ball valves manufactured in Italy from DR brass and 316SS materials.</p> | <p>■ Tamper resistant screw
Stainless steel security screws retain the handle to avoid tampering</p> |
| <p>■ Push fit PE connection
The pipe can be inserted into the PE connection without disassembling the fitting</p> | <p>■ Metal PE clamping ring
The PE pipe clamping grip ring is made of brass for a secure and reliable connection.</p> |

PRODUCT DETAILS

The 194 series water service ball valves are designed and manufactured in Italy with high quality components. It has been Watermark and Standardsmark approved to AS4796:2016, as well as being appraised and recommended by WSAA.

The meter coupling is incorporated into the ball valve in a single piece design which means there are no unnecessary leak points. By integrating the meter coupling means the 194 series ball valves provide a compact design suitable for connecting to cold water meters in above or below ground connections, as well as in sub meter brackets in high rise buildings (see sub meter bracket assembly brochure for further details).

DIAGRAM



DIMENSIONS		
CODE	0194A0606 (BSP)	019402506 (PE)
SIZE	DN20	DN20
A	74	85
B	41.5	41.5
C	70	70

PERFORMANCE	
MAX TEMPERATURE	60°C
MAX PRESSURE	1,600kPa
PIPE CONNECTION	20mm F BSP or 25mm PE
METER CONNECTION	1" union (swivel nut) for gasket seat meter thread

CODES	
BSP CONNECTION	0194A0606
PE CONNECTION	019402506



290120-02

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All Valve industries Pty Ltd. · Unit 2, 18-28 Sir Joseph Banks Drive
Kurnell NSW 2231 · Ph: +61 2 8543 9811 · Fax: +61 2 8543 9822
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SUB METER ASSEMBLY KIT

20MM

SERIES SMA

All Valve
INDUSTRIES

W W
AS 4796
WMK26442
WMTS 012
WMK26443



PREFABRICATED SUB METER ASSEMBLY FOR EASY METER INSTALLATIONS

FUNCTION AND FEATURES

■ Prefabricated kits

Vastly cuts down on installation time as the units are assembled and ready for install.

■ Quality Components

Designed and manufactured in Italy using high quality materials and components.

■ Twin lockable ball valves

Ensures minimal water spillage on meter exchange

■ Flat Face Seat

Specially made seats and rubber washers allow easier removal of meters.

■ Integrated Meter Coupling

The integrated swivel nut on the ball valve means the overall length is extremely compact.

■ Robust plate

The design of the plate ensures a strong, rigid installation.

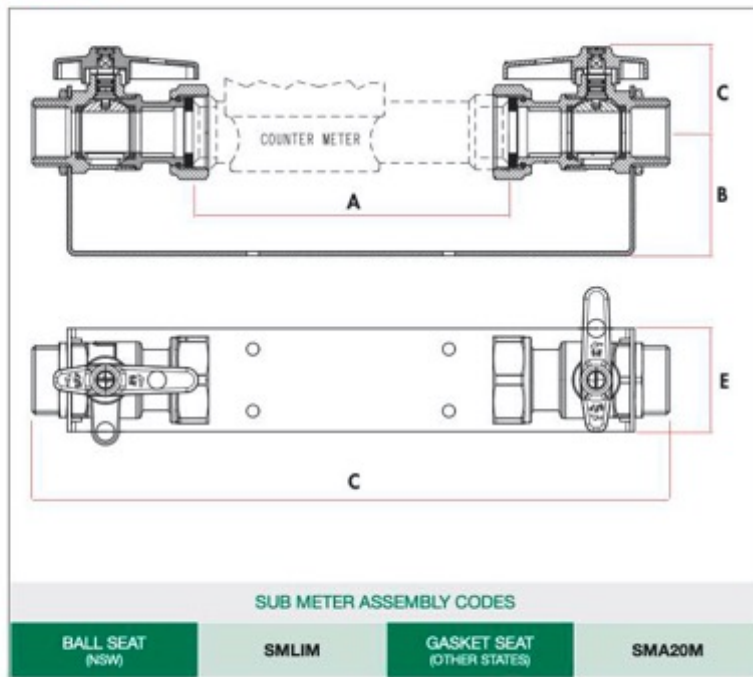
PRODUCT DETAILS

The SMA series prefabricated sub meter assembly kits have been specifically designed for quick and easy installations of cold water meters that comply with AS3565.1. The swivel nut face and gasket, which connects to the meter, is virtually a flat face and has been designed in such a way that allows for a much easier removal of the water meter, thereby eliminating the need for an adjustable slip coupling.

The meter coupling is incorporated into the ball valve in a single piece design that means there are no unnecessary leak points. By removing the slip coupling and integrating the meter coupling means the SMA series are the most compact sub meter bracket assemblies on the market which maximises space saving in crowded meter cupboards.

The sub meter brackets are available in two models that differ in the water meter thread connection; a NSW ball joint connection type sub meter assembly kit that complies with Sydney Water MLIM guidelines and a gasket seat connection type sub meter assembly kit as used by most other Australian States and is accepted by most SEQ water authorities. (please check the latest approval list or your local water authority).

DIAGRAM

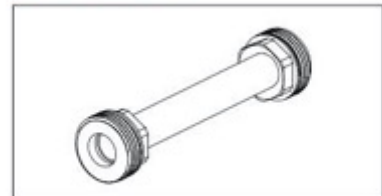


CODE	DIMENSION / RATING
A	153
B	60
C	41.5
D	309
E	50
PRESSURE	PN16

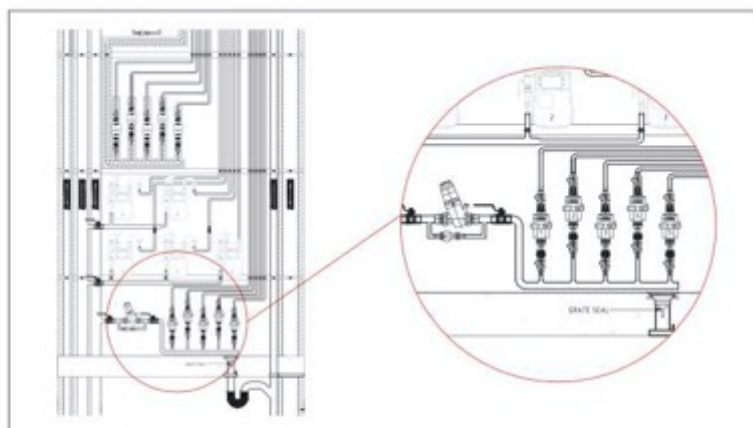
Breach Pieces

The use of a spacer may be necessary in certain installations where the installation is made prior to the water meter being available.

The pipe spacers are available for the NSW ball seat connections only.



SUB METER MODULES



* CAD drawing reproduced with permission from Wood & Grieve Engineers

Custom Made Modules

Custom prefabricated module assemblies, fully plumbed on backing plates are available upon request for project quantities.

These modules are most commonly supplied with a pressure reducing valve station which feeds between 3-6 of the SMA series sub meter assemblies, plumbed and mounted on a backing plate.

This allows for a quick and neat installation into the service cupboards of multi level buildings.



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All Valve industries Pty Ltd. · Unit 2, 18-28 Sir Joseph Banks Drive
Kurnell NSW 2231 · Ph: +61 2 8543 9811 · Fax: +61 2 8543 9822
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TWO PIECE THREADED END BALL VALVE INSTALLATION

- 1) Thoroughly clean and prepare the piping systems before valve installation.
- 2) Remove the valve end caps if present, and inspect the valve ports and seating surfaces for cleanliness just prior to installation.
- 3) Support the valves to prevent unnecessary stresses induced by connecting pipe.
- 4) Be sure the rating of the valve is compatible with the intended service conditions.
- 5) Operate the valve from the full open to closed position.
- 6) PTFE thread sealant is recommended when making up connections. Consult the sealant manufacturer's instructions for proper use. Install on pipe and not the valve.
- 7) Care should be used to not over-tighten the valve onto the pipe, as it is possible to distort the internal parts of the valve.
- 8) Always use a smooth-jawed wrench on the valve end on the same side of the valve to which the pipe or fitting is being installed to prevent distortion of the internal parts of the valve or transmission of torque and stress into the body joint. Pipe wrenches should be used on pipe and fittings only.
- 9) Take precaution also to prevent loosening body to tailpiece connection by reverse rotation during installation/alignment. Such loosening could comprise body to tailpiece sealing.
- 10) Verify the tightness of the packing nut after installation.

APPENDIX B - QUALITY CERTIFICATIONS

Copies of the following Quality Certificates are available from the WSAA

**TABLE B1
ALL VALVE INDUSTRIES PTY LTD – MANAGEMENT SYSTEMS**

Unit 2 Sir Joseph Banks Drive Kurnell NSW 2231	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	268807-2018-AQ-AUS-JAS-ANZ
Certifying agency	DNV
First date of certification	26 July 2018
Current date of certification	18 October 2021
Expiry date of certification	5 August 2024

**TABLE B2
AIRAGA RUBINETTERIE S.p.A – MANAGEMENT SYSTEMS**

Via Per Briga 42, Gozzano Italy	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	248-A
Certifying agency	Kiwa
First date of certification	4 March 1997
Current date of certification	18 June 2021
Expiry date of certification	18 June 2024

**TABLE B3
AIRAGA RUBINETTERIE S.p.A – PRODUCT CERTIFICATION**

Via Per Briga 42, Gozzano Italy	
Product Standard/Spec.	AS 4796:2016
Certificate No.	SMK26442
Issuing certification body	SAI Global
First date of certification	19 December 2019
Current date of certification	28 November 2022
Expiry date of certification	18 December 2024



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
268807-2018-AQ-AUS-JAS-ANZ

Initial certification date:
26 July 2018

Valid:
18 October 2021 – 05 August 2024
Expiry date of last certification cycle:
05 August 2021
Date of last re-certification:
23 September 2021

This is to certify that the management system of
All Valve Industries Pty Ltd (Kurnell)
Unit 2, 18-28 Sir Joseph Banks Drive Kurnell, NSW 2231 Australia

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:

The Wholesale and Distribution of Valves, Fittings and Accessories to the Plumbing, Irrigation and General Industries. Exclusions: Design and Development and Control of Measurement and Monitoring Devices.

Place and date:
North Sydney, 18 October 2021



JAS-ANZ



For the issuing office:
DNV - Business Assurance
Level 7, 124 Walker Street, North Sydney,
NSW, 2060, Australia

Yngve Amundsen
Management Representative

Accreditation by the Joint Accreditation System of Australia and New Zealand, Acc S 1311292 AS
Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
Refer to appendix for current certificate site address.
URL: www.jas-anz.org/register
ACCREDITED UNIT: DNV Business Assurance Australia Pty Limited, Level 7, 124 Walker Street, North Sydney NSW 2060, Australia.
TEL: +61 2 9922 1966. assurance.dnvgl.com



Reg. Number	248 - A	Valid From	2021-06-18
First issue date	1997-03-04	Last change date	2021-06-18
Valid Until	2024-06-18	IAF Sector	17

Previous expiry date

Quality Management System Certificate ISO 9001:2015

We certify that the Quality Management System of the Organization:

AIRAGA RUBINETTERIE S.p.A.

Is in compliance with the standard UNI EN ISO 9001:2015 for the following products/services:

Project and production of standard and special valves for civil and industrial use and for isolation and regulation of fluids and relative equipments.

Chief Operating Officer
Giampiero Belcredi

The maintaining of the certification is subject to annual surveillance and dependent on the observance of Kiwa Cermet Italia contractual requirements.

This certificate is composed of 1 page.

CERTIFICATE

Kiwa Cermet Italia S.p.A.
Società con socio unico,
soggetta all'attività di
direzione e coordinamento di
Kiwa Italia Holding Srl
Via Cadriano, 23
40057 Granarolo dell'Emilia
(BO)
Tel +39.051.459.3.111
Fax +39.051.763.382
E-mail: info@kiwacermet.it
www.kiwa.it

AIRAGA RUBINETTERIE S.p.A.

Registered Headquarters

- Via Per Briga, 42 28024 Gozzano (NO) Italia

Certified Sites

- Via Per Briga, 42 28024 Gozzano (NO) Italia



SGQ N° 007A



STANDARDSMARK LICENCE

SAI Global hereby grants:

Airaga Rubinetterie S.p.A

Via Per Briga 42, Gozzano, Italy

StandardsMark Licence

Manufactured to:

AS 4796-2016 - Water supply - Metal bodied and plastic bodied ball valves for property service connection

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee* and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

Licence No: SMK26442

Issued : 29 November 2022
Expires : 18 December 2024

Originally Certified : 19 December 2019
Current Certification : 28 November 2022

Calin Moldovean
President, Business Assurance
SAI Global Assurance



* For details of manufacture, refer to the licensee

The STANDARDSMARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 050 644 642) and is issued under licence by SAI Global Certification Services Pty Limited (ACN 108 716 669) ("SAI Global") 650 Lorimer Street, Port Melbourne VIC 3207, GPO Box 5420 Sydney NSW 2001. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. Refer to www.saiglobal.com, for the list of product models.



SCHEDULE TO STANDARDSMARK LICENCE

SAI Global hereby grants:

Airaga Rubinetterie S.p.A

Via Per Briga 42, Gozzano, Italy

StandardsMark Licence

Manufactured to:

AS 4796-2016 - Water supply - Metal bodied and plastic bodied ball valves for property service connection

Model identification of the goods on which the STANDARDSMARK may be used:

Model Identification	Model Name	Brand Name	Product Description	Product Type	Nominal Size	Operating Mechanism	Inlet Designation	Outlet Designation	Material Designation	Date Endorsed
019400506	194	Airaga	Cut off ball valves for counter meter (OLD model) Thread connection	Ball valve	DN 20	Manual (handle)	G3/4"	1" swivel nut	CV902 body-stainless steel ball	17 Nov 2022
019400507H1	194	Airaga	Cut off ball valves for counter meter (NSW model) Thread connection	Ball valve	DN 20	Manual (handle)	G3/4"	1"1/4 swivel nut	CV902 body-stainless steel ball	17 Nov 2022
019402506	194	Airaga	Cut off valve for counter meter . 25mm compression and for PE pipe	Ball valve	DN20	Manual (handle)	25mm compression fitting for PE pipe	1"swivel nut	CV902 body-stainless steel ball	17 Nov 2022
0194A0606	194	Airaga	Cut off valve for counter meter . Threaded ends	Ball valve	DN20	Manual (handle)	Rp3/4"	1"swivel nut	CV902 body-stainless steel ball	19 Feb 2020
0194A0607H1	194	Airaga	Cut off ball valves for counter meter (NSW model) Thread connection	Ball valve	DN 20	Manual (handle)	G3/4"/G1"1/2"	1"1/4 swivel nut	CV902 body-stainless steel ball	17 Nov 2022

End of Record

Licence No: SMK26442

Issued Date: 29 November 2022

This schedule supersedes all previously issued schedules



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APPENDIX C - SUPPLIER CONTACTS

All Valve Industries Pty Ltd

Unit 2 18-28 Sir Joseph Banks Drive

Kurnell NSW 2231

Phone: 02 8543 9811

Email: info@allvalve.com.au

Web: <https://www.allvalve.com.au/index.html>



Melbourne Office

Level 8, Suite 8.02
401 Docklands Drive
Docklands VIC 3008

Sydney Office

Level 9 420 George Street
Sydney NSW 2000
GPO Box 915
Sydney NSW 2001

P +61 (0) 3 8605 7666
email: info@wsaa.asn.au

www.wsaa.asn.au