WSAA PRODUCT APPRAISAL CERTIFICATE

Reece Australia Pty Ltd
DIMAX Resilient Seated Gate Valves

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

This issue 7 is to include DN 100 and DN 150 valves with integral PE ends.

The scope includes PN16 resilient seated gate valves in sizes DN 80 to DN 600 with flanged ends, DN 100 to DN 300 with socket ends, DN 100 to DN 300 with spigot ends, DN 100 to DN 150 with flange – socket ends, DN 450 – DN 600 integral bypass valves with flanged ends, DN 80 to DN 300 OS&Y with flanged ends, DN 100 and DN 150 with integral PE tail ends and PN25 resilient seated gate valves in sizes DN 80 to DN 300 with flanged ends.

The valves are available with optional clockwise or anti-clockwise closure directions and may be operated with a key or handwheel, except that the OS&Y valves are operated with a handwheel only.

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

Product Category	Gate Valves
PA Number:	PA 1925 Issue 7
Supplier	Reece Australia Pty Ltd
Brand	DIMAX
Standards	AS/NZS 2638.2- *Gate valves for waterworks purposes, Part 2: Resilient seated*
WSAA Product Specification	WSA PS 260 - *Gate Valves, Resilient Seated for Pressure Applications – Water Supply and Sewerage* WSA PS 278 - *Gate Valves, Resilient Seated with Integral Polyethylene (PE) Ends for Pressure Applications - Drinking Water, Non-Drinking Water Supply and Sewerage*
Issue date	14 March 2024
Expiry date	3 February 2025
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the DIMAX 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.
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.

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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).

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WSAA has not evaluated the extent of the product liability and professional indemnify 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

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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
WEFLO VALVE CO LTD – MANAGEMENT SYSTEMS

45 Xinghe Road, Lancun Town, Jimo, Qingdao, Shandong, China	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	1132-2004-AQ-RGC-RvA
Certifying Agency	DNV-GL
First Date of Certification	23 December 2003
Current Date of Certification	23 December 2021
Expiry Date of Certification	23 December 2024

TABLE A2
WEFLO VALVE CO LTD – PRODUCT CERTIFICATION

45 Xinghe Road, Lancun Town, Jimo, Qingdao, Shandong, China	
Product Standard/Spec.	AS/NZS 2638.2:2011
Certificate No.	OMK21996
Issuing Certification Body	IAPMO R&T Oceana
First Date of Certification	1 May 2015
Current Date of Certification	18 August 2022
Expiry Date of Certification	30 April 2025

PRODUCT LITERATURE

DIMAX GATE VALVES
PN16 RESILIENT SEATED

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand

RANGE OVERVIEW

Ductile Iron body and bonnet for high strength and impact resistance

Ductile Iron gate fully encapsulated in EPDM elastomer to ensure drop tight sealing

Grade 431 stainless steel spindle for high strength and corrosion resistance

Seal housing incorporates triple O-ring seals and wiper ring for long life operation

Back seal facility to allow for replacement of seals under full operating pressure

Fusion bonded polymeric coating for long life corrosion protection

Straight through full bore to avoid debris traps

Isolated fasteners for corrosion protection Low operating torques

Integral cast-in feet for safe and easy storage

Anticlockwise closing or clockwise closing available

Anticlockwise closing valves feature a Blue cap with a Black plug

Clockwise closing valves feature a Red cap with a Red plug

Key or hand wheel operation

DESCRIPTION

The Dimax range of Resilient Seated Gate Valves is designed and manufactured to AS/NZS 2638.2 and AS/NZS 4158. Super light, easy to lift and with low operating torque, operation is fast and efficient.

Designed for use up to 70°C. Where applicable during use for AS 4020 compliance, max temp = 40°C

GENERAL APPLICATION

Dimax Resilient Seated Gate Valves are suitable for use with potable water and wastewater in below or above ground applications. Used for the isolation of sections and branches in pipelines.

TECHNICAL DATA

Size Range
DN 80 –DN 600

Operation
Anti Clockwise Close (Blue Cap)
Clockwise Close (Red Cap)

Allowable Operating Pressure
1600kPa

Maximum Temperature
Max Design Temperature = 70°C
AS4020 Temperature = 40°C

End Connections
Flanged to AS 4087, TYTON® socket, spigot

Coating
Fusion Bonded Polymeric Coasting to AS4158

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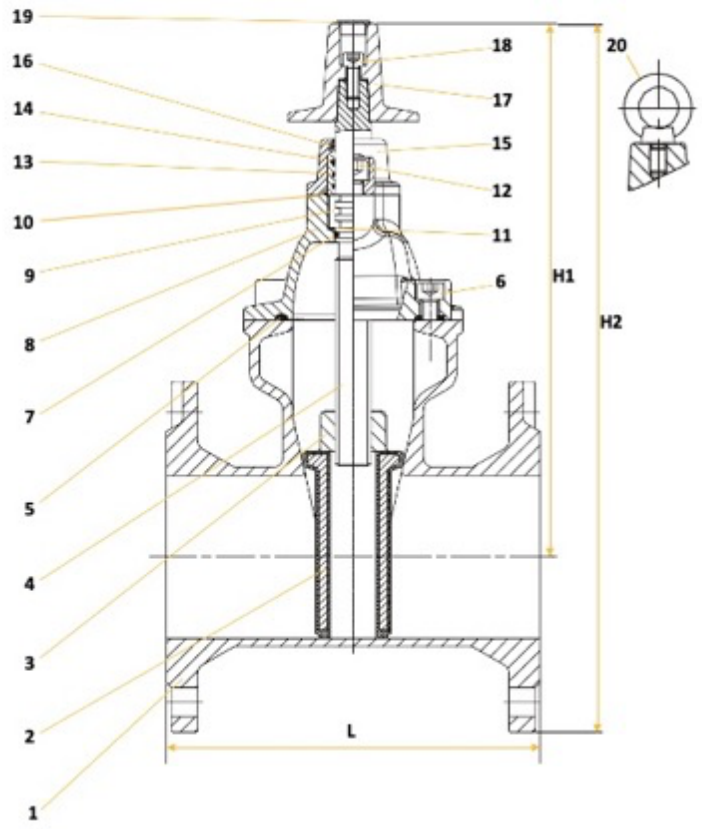
FLANGED GATE VALVES
PN16 RESILIENT SEATED DN80-600

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze / C95210 to AS1565
4	Spindle Stainless Steel / 431 to ASTM A276
5	Gasket Synthetic Rubber / EPDM AS1646
6	Socket Screw Stainless Steel / 316 to ASTM A276
7	O-Ring Synthetic Rubber / NBR AS1646
8	Bonnet Ductile Iron / 450-10 to AS1831
9	Thrust Collar Bronze / C95210 to AS1565
10	O-Ring Synthetic Rubber / NBR AS1646
11	Washer Bronze / C95210 to AS1565
12	Socket Screw Stainless Steel / 316 to ASTM A276
13	Gland Bush Bronze / C95210 to AS1565
14	O-Ring Synthetic Rubber / NBR AS1646
15	Gland Ductile Iron / 450-10 to AS1831
16	Dustband Synthetic Rubber / NBR AS1646
17	Spindle Cap /Handwheel Ductile Iron / 450-10 to AS1831
18	Socket Screw Stainless Steel / 316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel / 316 to ASTM A276

NOMINAL SIZE DN	L mm	H1 mm	H2 mm	Weight kg
80	203	310	385	13.5
100	229	335	420	18
150	267	430	565	37
200	292	545	720	57
225	305	660	850	85
250	330	660	855	90.5
300	356	745	970	135
350	381	960	1240	225
375	381	1025	1320	250
400	406	1025	1335	260
450	432	1145	1485	400
500	457	1230	1600	500
600	508	1360	1790	710

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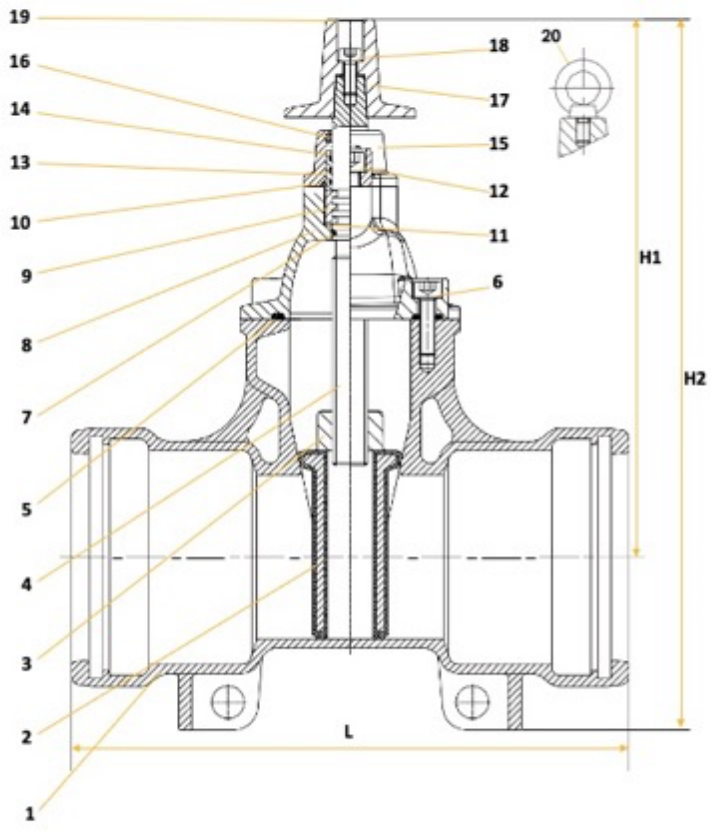
SOCKET GATE VALVES
PN16 RESILIENT SEATED DN100-300

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze / C95210 to AS1565
4	Spindle Stainless Steel / 431 to ASTM A276
5	Gasket Synthetic Rubber / EPDM AS1646
6	Socket Screw Stainless Steel / 316 to ASTM A276
7	O-Ring Synthetic Rubber / NBR AS1646
8	Bonnet Ductile Iron / 450-10 to AS1831
9	Thrust Collar Bronze / C95210 to AS1565
10	O-Ring Synthetic Rubber / NBR AS1646
11	Washer Bronze / C95210 to AS1565
12	Socket Screw Stainless Steel / 316 to ASTM A276
13	Gland Bush Bronze / C95210 to AS1565
14	O-Ring Synthetic Rubber / NBR AS1646
15	Gland Ductile Iron / 450-10 to AS1831
16	Dustband Synthetic Rubber / NBR AS1646
17	Spindle Cap /Handwheel Ductile Iron / 450-10 to AS1831
18	Socket Screw Stainless Steel / 316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel / 316 to ASTM A276

NOMINAL SIZE DN	L mm	H1 mm	H2 mm	Weight kg
100	340	335	445	17
150	370	440	570	32.5
200	410	545	715	57
225	440	660	845	92
250	450	660	860	95
300	485	745	975	135

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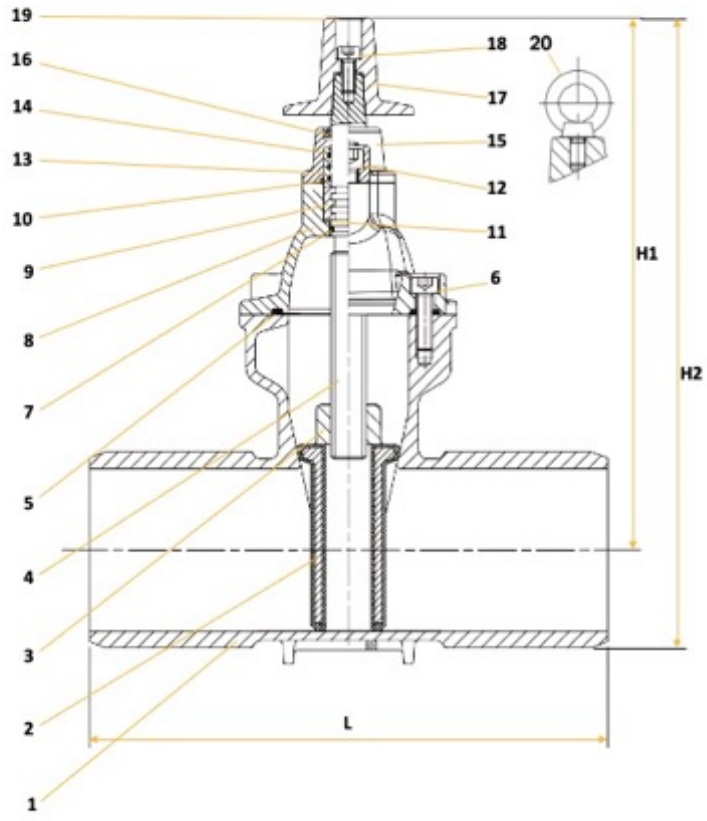
SPIGOTED GATE VALVES
PN16 RESILIENT SEATED DN100-300

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze / C95210 to AS1565
4	Spindle Stainless Steel / 431 to ASTM A276
5	Gasket Synthetic Rubber / EPDM AS1646
6	Socket Screw Stainless Steel / 316 to ASTM A276
7	O-Ring Synthetic Rubber / NBR AS1646
8	Bonnet Ductile Iron / 450-10 to AS1831
9	Thrust Collar Bronze / C95210 to AS1565
10	O-Ring Synthetic Rubber / NBR AS1646
11	Washer Bronze / C95210 to AS1565
12	Socket Screw Stainless Steel / 316 to ASTM A276
13	Gland Bush Bronze / C95210 to AS1565
14	O-Ring Synthetic Rubber / NBR AS1646
15	Gland Ductile Iron / 450-10 to AS1831
16	Dustband Synthetic Rubber / NBR AS1646
17	Spindle Cap /Handwheel Ductile Iron / 450-10 to AS1831
18	Socket Screw Stainless Steel / 316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel / 316 to ASTM A276

NOMINAL SIZE DN	L mm	H1 mm	H2 mm	Weight kg
100	320	335	410	16
150	360	440	530	32
200	430	545	665	55
225	430	660	790	90
250	430	660	805	93
300	450	745	920	135

CERTIFICATIONS

AS/NZS 2638.2 – Resilient Seated Gate Valves for Waterworks
Licence No. WM-021996 QMK21996
AS/NZS 4020 – Testing for use in contact with drinking water

IAPMO R&T OCEANA OceanaMark

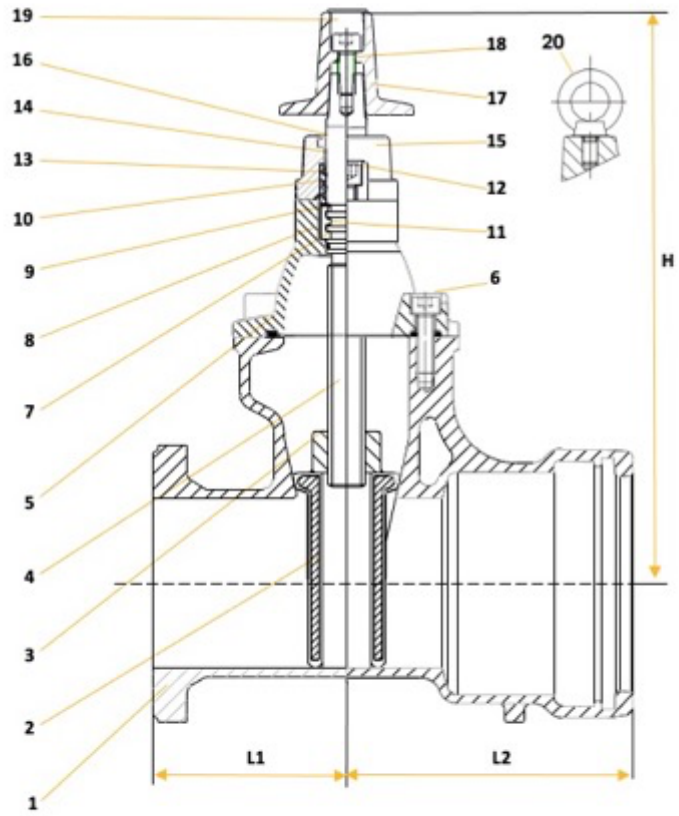
WaterMark

February 2023 | V3

FLANGE SOCKET GATE VALVES
PN16 RESILIENT SEATED DN100-150

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze / C95210 to AS1565
4	Spindle Stainless Steel / 431 to ASTM A276
5	Gasket Synthetic Rubber / EPDM AS1646
6	Socket Screw Stainless Steel / 316 to ASTM A276
7	O-Ring Synthetic Rubber / NBR AS1646
8	Bonnet Ductile Iron / 450-10 to AS1831
9	Thrust Collar Bronze / C95210 to AS1565
10	O-Ring Synthetic Rubber / NBR AS1646
11	Washer Bronze / C95210 to AS1565
12	Socket Screw Stainless Steel / 316 to ASTM A276
13	Gland Bush Bronze / C95210 to AS1565
14	O-Ring Synthetic Rubber / NBR AS1646
15	Gland Ductile Iron / 450-10 to AS1831
16	Dustband Synthetic Rubber / NBR AS1646
17	Spindle Cap /Handwheel Ductile Iron / 450-10 to AS1831
18	Socket Screw Stainless Steel / 316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel / 316 to ASTM A276

NOMINAL SIZE DN	L1 mm	L2 mm	H mm	Weight kg
100	114.5	170	335	17
150	133.5	185	430	35

February 2023 | V3

DIMAX BYPASS GATE VALVE
PN16 RESILIENT SEATED

Designed and Manufactured to AS/ZS 2638.2

DIMAX
Quality you demand

RANGE OVERVIEW

Matched bypass for faster line filling

Ductile Iron body and bonnet for high strength and impact resistance

Ductile iron gate fully encapsulated in EPDM rubber to ensure drop tight seal

Thermally bonded polymeric coating for long life corrosion protection

DN 100 / DN 150 bypass valve flange gaskets EPDM

Bolts, nuts and washers: Grade 316 stainless steel

Anticlockwise closing or clockwise closing available

Anticlockwise closing valves feature a Blue cap

Clockwise closing valves feature a Red cap

DESCRIPTION

Opening open bypass valve first, before opening main valve
Closing close main valve first followed by bypass valve

The DIMAX Resilient Seated Gate Valve technical data sheet should be read in conjunction with this Bypass data sheet as a source of additional information.

GENERAL APPLICATION

Used for the isolation of sections and branches in pipelines.
A bypass valve is utilised when filling a pipeline to minimise risk of structural damage to its components and/or to reduce operating torque when opening the large valve by equalising pressure across the gate DIMAX Resilient Seated Gate Valves are suitable for use with drinking water and wastewater, in below or above ground applications

TECHNICAL DATA

Size Range
DN 450 / DN 100 bypass
DN 500 / DN 150 bypass
DN 600 / DN 150 bypass

Operation
Anti Clockwise Close (Blue Cap)
Clockwise Close (Red Cap)

Allowable Operating Pressure
1600kPa

Maximum Testing Pressure
Body - 2400 kPa
Seat - 1760 kPA

Maximum Temperature
Max Design Temperature = 70°C
AS4020 Temperature = 40°C

End Connections
Flanged to AS 4087 Fig B5

Coating
Fusion Bonded Polymeric Coasting to AS4158

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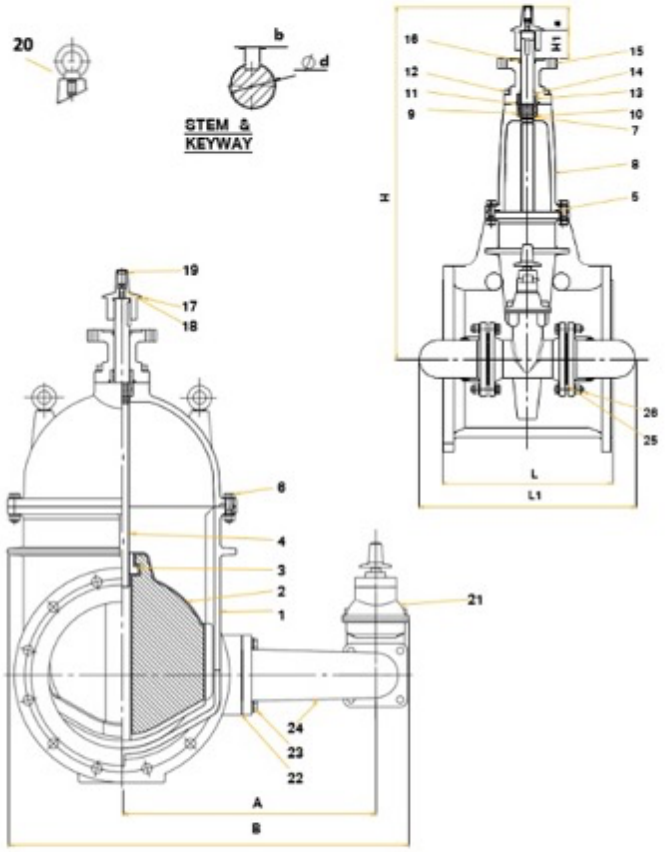
DIMAX BYPASS GATE VALVE
PN16 RESILIENT SEATED

Designed and Manufactured to AS/ZS 2638.2

DIMAX
Quality you demand



No	Description Material/Standard
1	Body Ductile Iron/450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze/C95210 to AS1565
4	Spindle Stainless Steel/431 to ASTM A276
5	Gasket Synthetic Rubber/EPDM AS1646
6	Fasteners Stainless Steel/316 to ASTM A276
7	O-Ring Synthetic Rubber/NBR AS1646
8	Bonnet Ductile Iron/450-10 to AS1831
9	Thrust Collar Bronze/C95210 to AS1565
10	Washer Bronze/C95210 to AS1565
11	O-Ring Synthetic Rubber/NBR AS1646
12	Hex Head Set Screw Stainless Steel/316 to ASTM A276
13	Gland Bush Bronze/C95210 to AS1565
14	O-Ring Synthetic Rubber/NBR AS1646
15	ISO Mount/Gland Ductile Iron/450-10 to AS1831
16	Dust Seal Synthetic Rubber/NBR AS1646
17	Spindle Cap Ductile Iron/450-10 to AS1831
18	Socket Screw Stainless Steel/316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel/316 to ASTM A276
21	Bypass Valve 3250R Assembly
22	Gasket Synthetic Rubber/EPDM AS1646
23	Fasteners Stainless Steel/316 to ASTM A276
24	Bypass Bend Ductile Iron/450-10 to AS1831
25	Gasket Synthetic Rubber/EPDM AS1646
26	Fasteners Stainless Steel/316 to ASTM A276

NOMINAL SIZE DN	BYPASS	A mm	B mm	L mm	L1 mm	H mm	H1 mm	a mm	ød mm	b mm	ISO FLANGE
450	100	695	1120	660	640	1145	85	70	45	14	F14/F16
500	150	805	1315	710	875	1230	85	70	45	14	F16
600	150	865	1440	785	875	1360	85	70	45	14	F16

CERTIFICATIONS

AS/NZS 2638.2 – Resilient Seated Gate Valves for Waterworks
Licence No. WM-021996 OMK21996
AS/NZS 4020 – Testing for use in contact with drinking water

WaterMark

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OceanaMark

April 2023 | V1

DIMAX OS&Y VALVES
PN16 RESILIENT SEATED DN80-300

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand

RANGE OVERVIEW

Ductile Iron body and bonnet for high strength and impact resistance

Ductile Iron gate fully encapsulated in EPDM elastomer to ensure drop tight sealing

Grade 431 stainless steel spindle for high strength and corrosion resistance

Fusion bonded polymeric coating for long life corrosion protection

Straight through full bore to avoid debris traps

Isolated fasteners for corrosion protection

Anti-friction thrust washer for low operating torques

Integral cast-in feet for safe and easy storage

Handwheel operation

DESCRIPTION

The Dimax range of OS&Y Ductile Iron Resilient Seated Gate Valves is designed and manufactured to AS/NZS 2638.2 for the isolation of water and waste water in pipelines.

GENERAL APPLICATION

Dimax OS&Y Resilient Seated Gate Valves are suitable for use with water and waste water for above ground applications.

Rising spindle gate valves are commonly used for fire service applications where a positive indication of open and closed position is necessary.

TECHNICAL DATA

Size Range
DN80 - DN300

Allowable Operating Pressures
DN80 - DN300 = 1600kPa

Testing Pressure
Body Strength = 2400kPa
Seat Leakage Pressure = 1760kPa

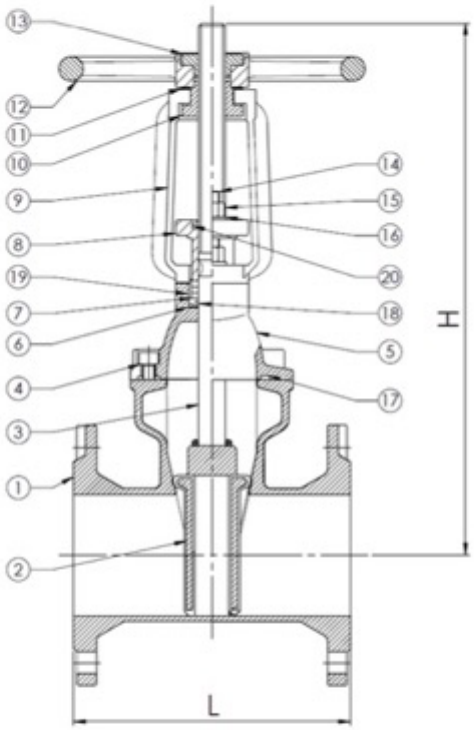
End Connection
Suitable for AS 2129 Table E
and AS/NZS 4087 PN16 flanges

Coating
Fusion Bonded to AS/NZS 4158

DIMAX OS&Y VALVES
PN16 RESILIENT SEATED DN80-300

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Spindle Stainless Steel / 431 to ASTM A276
4	Socket Screw Stainless Steel / 316 to ASM A276
5	Bonnet Ductile Iron / 450-10 to AS1831
6	O-Ring Synthetic Rubber / NBR AS1646
7	O-Ring Synthetic Rubber / NBR AS1646
8	Gland Ductile Iron / 450-10 to AS1831
9	Yoke Ductile Iron / 450-10 to AS1831
10	Stem Nut Bronze / C95210 to AS1565
11	Washer Bronze / C95210 to AS1565
12	Handwheel Ductile Iron / 450-10 to AS1831
13	Handwheel Nut Bronze / C95210 to AS1565
14	Bolt Stainless Steel / 316 to ASTM A276
15	Nut Stainless Steel / 316 to ASTM A276
16	Washer Stainless Steel / 316 to ASTM A276
17	Gasket Synthetic Rubber / EPDM AS1646
18	O-Ring Synthetic Rubber / NBR AS1646
19	Bushing Bronze / C95210 to AS1565
20	Wiper Ring Synthetic Rubber / NBR AS1646

NOMINAL SIZE DN	L mm	H mm
80	203	426
100	229	455
150	267	615
200	292	770
250	330	965
300	356	1050

CERTIFICATIONS
AS/NZS 2638.2 – Resilient Seated Gate Valves for Waterworks
Licence No. WM-021996 OMK21996
AS/NZS 4020 – Testing for use in contact with drinking water

WaterMark

IAPMO R&T OCEANA OceanaMark

DIMAX GATE VALVES
PN25 RESILIENT SEATED

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand

RANGE OVERVIEW

Ductile Iron body and bonnet for high strength and impact resistance

Ductile Iron gate fully encapsulated in EPDM elastomer to ensure drop tight sealing

Grade 431 stainless steel spindle for high strength and corrosion resistance

Seal housing incorporates triple O-ring seals and wiper ring for long life operation

Back seal facility to allow for replacement of seals under full operating pressure

Fusion bonded polymeric coating for long life corrosion protection

Straight through full bore to avoid debris traps

Isolated fasteners for corrosion protection

Low operating torques

Integral cast-in feet for safe and easy storage

Anticlockwise closing or clockwise closing available

Anticlockwise closing valves feature a Blue cap with a Black plug

Clockwise closing valves feature a Red cap with a Red plug

Key or hand wheel operation

DESCRIPTION

The Dimax range of Resilient Seated Gate Valves is designed and manufactured to AS/NZS 2638.2 and AS/NZS 4158. Super light, easy to lift and with low operating torques, operation is fast and efficient.

GENERAL APPLICATION

Dimax Resilient Seated Gate Valves are suitable for use with potable water and wastewater in below or above ground applications. Used for the isolation of sections and branches in pipelines.

TECHNICAL DATA

Size Range
DN 80 - DN 300

Allowable Operating Pressures
DN80 - DN300 = 2500kPa

Maximum Temperature
40˚C

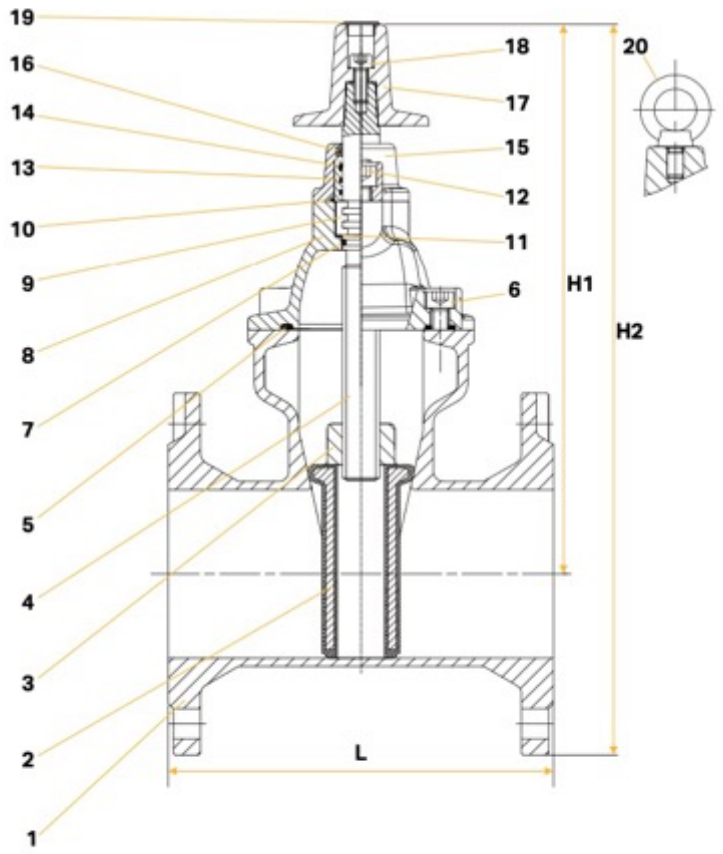
End Connection
Flanged to AS/NZS 4087

V1

FLANGED GATE VALVES
PN25 RESILIENT SEATED DN80-300

Designed and Manufactured to AS/NZS 2638.2

DIMAX
Quality you demand



No	Description Material / Standard
1	Body Ductile Iron / 450-10 to AS1831
2	Wedge DI with EPDM Encapsulated
3	Wedge Nut Bronze / C95210 to AS1565
4	Spindle Stainless Steel / 431 to ASTM A27
5	Gasket Synthetic Rubber EPDM AS1646
6	Socket Screw Stainless Steel / 316 to ASTM A276
7	O-Ring Synthetic Rubber / NBR AS1646
8	Bonnet Ductile Iron / 450-10 to AS1831
9	Thrust Collar Bronze / C95210 to AS1565
10	O-Ring Synthetic Rubber / NBR AS1646
11	Washer Bronze / C95210 to AS1565
12	Socket Screw Stainless Steel / 316 to ASTM A276
13	Gland Bush Bronze / C95210 to AS1565
14	O-Ring Synthetic Rubber / NBR AS1646
15	Gland Ductile Iron / 450-10 to AS1831
16	Dustband Synthetic Rubber / NBR AS1646
17	Spindle Cap / Handwheel Ductile Iron / 450-10 to AS1831
18	Socket Screw Stainless Steel / 316 to ASTM A276
19	Protection Cap LDPE
20	Eye Bolt Stainless Steel / 316 to ASTM A276

NOMINAL SIZE DN	L mm	H1 mm	H2 mm	Weight kg
80	203	310	410	17.5
100	229	335	450	22
150	267	430	585	42
200	292	545	725	65
250	330	660	875	97.5
300	356	745	990	150

CERTIFICATIONS

AS/NZS 2638.2 – Resilient Seated Gate Valves for Waterworks
Licence No. WM-021996 OMK21996
AS/NZS 4020 – Testing for use in contact with drinking water

WaterMark
IAPMO R&T OCEANA OceanaMark

V1

DIMAX PE TAIL GATE VALE PN16 RESILIENT SEATED

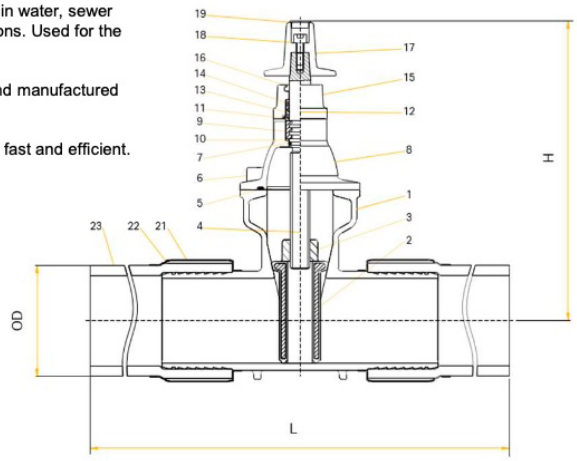
Designed and Manufactured to AS/NZS 2638.2 & WSA PS-278

DIMAX
Quality you demand

DIMAX PE Tail Resilient Seated Gate Valves are suitable for use in water, sewer and neutral liquid applications in below or above ground applications. Used for the isolation of sections and branches in pipelines.

The DIMAX range of Resilient Seated Gate Valves is designed and manufactured to AS/NZS 2638.2, AS/NZS 4158 and WSA PS-278.

Super light, easy to lift and with low operating torque, operation is fast and efficient.



RANGE OVERVIEW

Ductile Iron body and bonnet for high strength and impact resistance

Ductile Iron gate fully encapsulated in EPDM elastomer to ensure drop tight sealing

Grade 431 stainless steel spindle for high strength and corrosion resistance

Seal housing incorporates triple O-ring seals and wiper ring for long life operation

Back seal facility to allow for replacement of seals under full operating pressure

Fusion bonded polymeric coating for long life corrosion protection

Straight through full bore to avoid debris traps

Isolated fasteners for corrosion protection

Low operating torques

Black PE100 SDR11 Tails

Anticlockwise closing or clockwise closing available

Key or hand wheel operation

TECHNICAL DATA

Size Range
DN100 – DN150

Operation
Anti Clockwise Close (Blue Cap)
Clockwise Close (Red Cap)

Allowable Operating Pressure
1600kPa

Maximum Temperature*
Max Design Temperature = 70°C
AS/NZS 4020 Temperature = 40°C

End Connections
PE100 SDR11

Coating
Fusion Bonded Polymeric Coating to AS/NZS 4158

Note: Always observe pipe material recommended operating temperatures

No	Description Material / Standard	No	Description Material / Standard
1	Body SGI Grade 450-10	13	Gland Bush Bronze - Grade C95210
2	Wedge SGI Grade 450-10/EPDM Coated	14	O-Ring NBR Rubber
3	Wedge Nut Bronze - Grade C95210	15	Gland SGI Grade 450-10
4	Spindle 431 Stainless Steel	16	Dust Seal NBR Rubber
5	Gasket EPDM Rubber	17	Spindle Cap SGI Grade 450-10
6	Socket Screw 316 Stainless Steel	18	Socket Screw 316 Stainless Steel
7	O-Ring NBR Rubber	19	Protection Cap LDPE
8	Bonnet SGI Grade 450-10	20	Eye Bolt 316 Stainless Steel
9	Thrust Collar Bronze - Grade C95210	21	Sleeve 304 Stainless Steel
10	Washer Brass	22	Shrink Film Plastic
11	O-Ring NBR Rubber	23	PE Pipe PE100 - SDR11 - Black
12	Socket Screw 316 Stainless Steel		

NOMINAL SIZE DN	OD	L mm	H mm	Weight Kg
100	125	920	330	23
150	180	950	425	48

DESIGNED AND MANUFACTURED TO

AS/NZS 2638.2 -Gate Valves for Waterworks Purposes - Part 2: Resilient Seated
AS/NZS 4158 -Thermal-bonded polymeric coatings on valves and fittings for water industry purposes
AS/NZS 4020 -Testing of products for use in contact with drinking water
WSA PS–278 -Gate Valves, Resilient Seated, with Integral Polyethylene (PE) Ends for Pressure Applications – Water Supply and Sewerage

March 2024 | V1.1

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