

AUSLITE® SAL GATE VALVES

RESILIENT SEATED - DN 80, DN 100, DN 150

LIGHT, EASY TO LIFT WITH LOW OPERATING TORQUES. FAST, EFFICIENT OPERATION



- Ductile Iron gate fully encapsulated in EPDM rubber to ensure drop tight sealing.
- 2205 Duplex stainless steel spindle for high strength and corrosion resistance.
- Dezincification resistant copper alloy seal housing incorporating dual 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 epoxy coating for long life corrosion protection.
- Straight through full bore to avoid debris traps.
- Isolated fasteners for corrosion protection.
- Anti-friction guide liners for low operating torques.
- Integral cast-in feet for safe and easy storage.
- Integral lifting lugs for installation convenience.
- Anticlockwise closing or clockwise closing available.
- Key or hand wheel operation.

DESCRIPTION

The AUSLITE SAL range of specially modified Resilient Seated Gate Valves are designed and manufactured to AS 2638.2. Light, easy to lift and with low operating torques, operation is fast and efficient. Manufactured with special components and materials to resist saline and sea water attack.

APPLICATION

AUSLITE SAL RS Gate Valves are suitable for use with saline waters to sea water in below or above ground applications. Used for the isolation of sections and branches in pipelines.

Sea Water - mg/l

Ca	400	Cl	19000
Mg	1300	SO ₄	2700
Na	11000	TDS	34400

TECHNICAL DATA

Size Range: DN 80, DN 100 and DN 150

Allowable Operating Pressure: 1600kPa, 2500kPa

Maximum Temperature: 40°C

End Connections:

Flanged to AS 4087 Fig B5
TYTON® Socket, Spigot, Shouldered

Certifications:

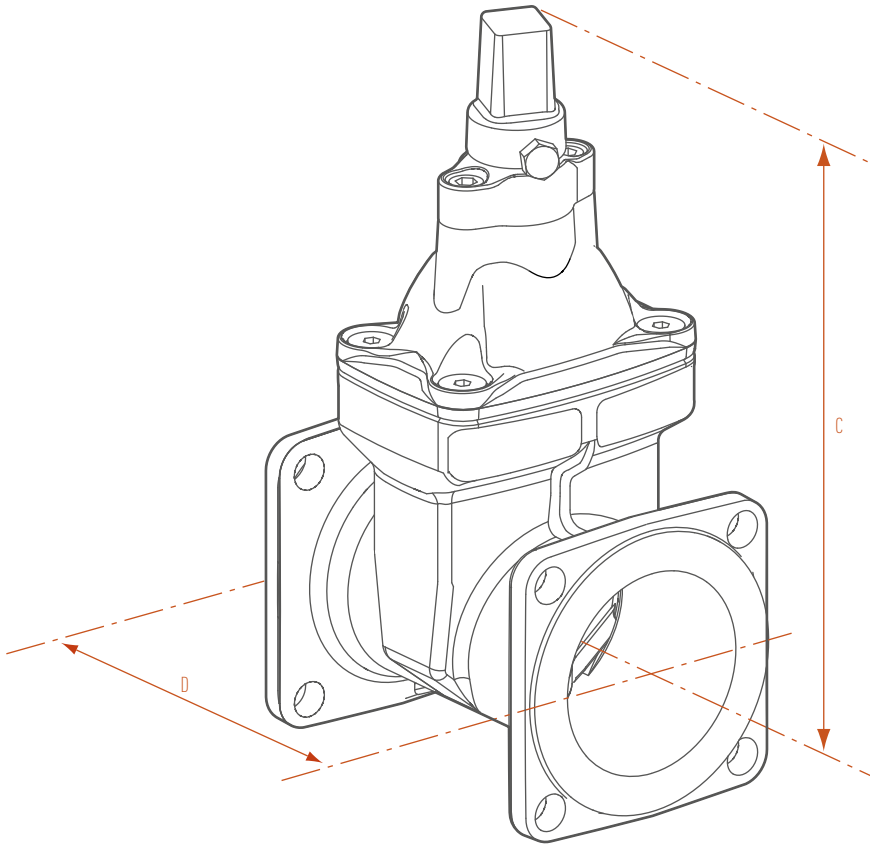
ISC AS 2638.2
Product Mark Registration No.
PRD/R61/0412/2
Certified to AS 4020
- suitable for contact with drinking water.

Not suitable for immersion.

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AUSLITE RSGV SPECIFICATIONS

Valve Size	DN	80	100	150
Flange face to face dimension – D	mm	203	229	267
Socket to socket dimension (effective length) – D	mm	NA	120	130
Flange dimensions* – AS 4087 Fig B5, B6		PN 16 / 35		
Height – centreline to stem top	mm	285	285	375
– centreline to standard cap – C	mm	320	320	405
– centreline to hand wheel rim	mm	315	315	410
Turns to close (approx)		21	21	31
Maximum operating torque – MOT	Nm	75	100	150
Actual torque to seal (approx)	Nm	30	30	50
Production hydrostatic test – body	KPa	2400 (PN 16) 3750 (PN 25)		
– seat	KPa	1760 (PN 16) 2750 (PN 25)		
Closing direction (CC) / (ACC)		ACC and CC available		
Mass of stem cap valve (approx)	kg	13	14	27

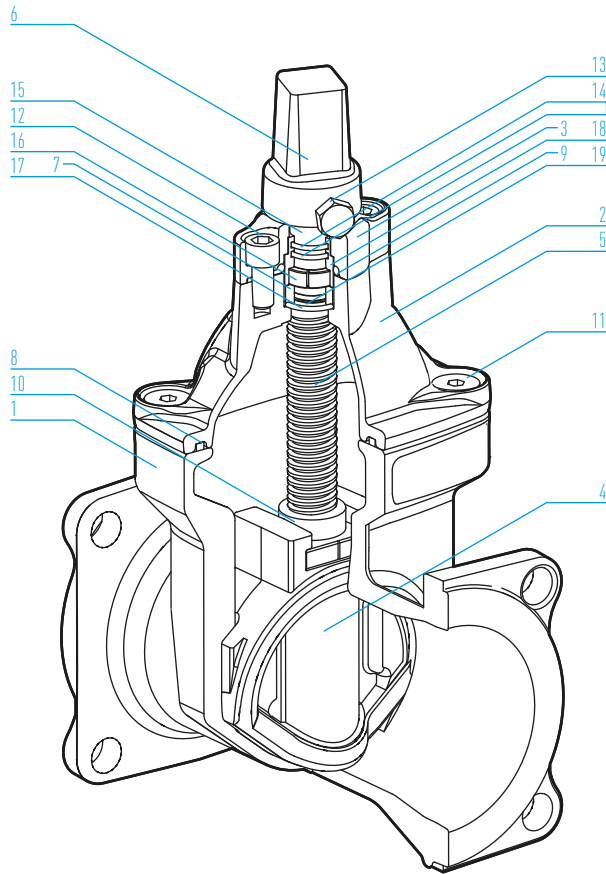
* PN 35 flange dimensions are used for PN 25 flanges



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PARTS LIST

No	Description	Material / Standard
1	Body	Ductile Iron / Fusion Polymeric Coated AS 1831 400-15
2	Bonnet	Ductile Iron / Fusion Polymeric Coated AS 1831 400-15
3	Retaining Plate	Stainless Steel / ASTM A276 316
4	Wedge	Ductile Iron - EPDM Encapsulated / AS 1831 400-15
5	Stem	Duplex Stainless Steel ASTM A276 S32205
6	Stem Cap	Ductile Iron AS 1831 400-15
7	Backseat Collar	Copper Alloy - Dezincification Resistant / AS 1567 C62700
8	Body Gasket	EPDM / AS 1646
9	Top Gasket	EPDM / AS 1646
10	Wedge Nut	Copper Alloy - Dezincification Resistant / AS 1567 C62700
11	Countersunk Screw	Stainless Steel / ASTM A276 316 Silicon
12	Socket Head Cap Screw	Stainless Steel / ASTM A276 316 Silicon
13	Hex Head Screw	Stainless Steel / AS 2837 316
14	O-Ring	Nitrile Rubber / AS 1646
15	Wiper Ring	Nitrile Rubber / AS 1646
16	Collet Set	Copper Alloy - Dezincification Resistant / AS 1567 C62700
17	O-Ring	Nitrile Rubber / AS 1646
18	Seal Housing Bush	Copper Alloy - Dezincification Resistant / AS 1567 C62700
19	O-Ring	Nitrile Rubber / AS 1646

END CONNECTIONS

TYTON® Socket	Flange	Flange	Spigot
DN 100	DN 100	DN 150	DN 100



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ANCHOR LEGS

AUSLITE Valves can be fitted with anchor legs that allow the valve to be secured to a thrust block cast in place under the valve. Simply

- 1 Attach the anchor castings onto the body using the stainless steel fasteners provided.
- 2 Excavate an appropriate cross trench thrust block pit, adjusting the width to suit ground conditions.
- 3 Install the valve into the pipeline.
- 4 Pour concrete thrust block and allow to set.

Anchor legs are very easy to attach, simplify formwork and make thrust blocking AUSLITE Valves a breeze.



RECOMMENDED SPECIFICATION

Gate valves shall be resilient seated conforming to AS 2638.2.

The allowable operating pressure shall be 1600kPa / 2500kPa.

Operation shall be by means of a key/handwheel.

The direction of closing shall be anticlockwise/clockwise.

The valve body and bonnet shall be cast in Ductile Iron and coated with a thermally applied polymeric coating to AS/NZS 4158.

The gate shall be cast in Ductile Iron and fully encapsulated in EPDM rubber – partially coated wedges are not acceptable.

The spindle shall be Grade 2205 Duplex Stainless Steel incorporating a failsafe thrust collar.

The spindle seal retainer shall be manufactured from a dezincification resistant copper alloy to AS 1567.

The spindle seal shall be affected by a minimum of two O-rings, which can be replaced under full operating pressure.

Fasteners shall be completely isolated from the external environment.

Valves shall be manufactured under a product certification scheme and each valve marked in accordance with the certification body's requirements.

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