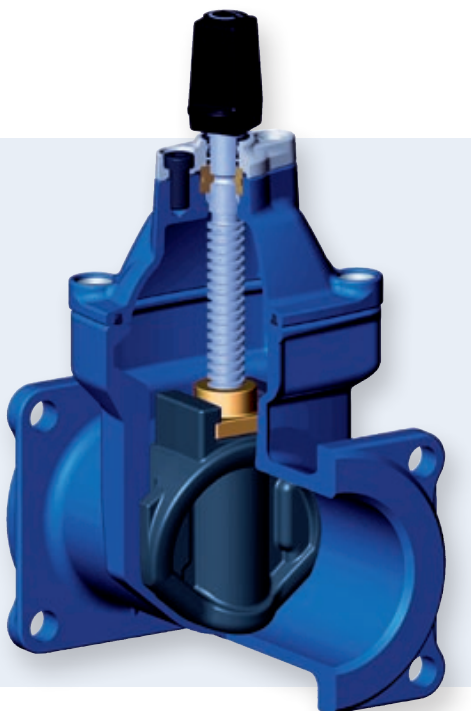
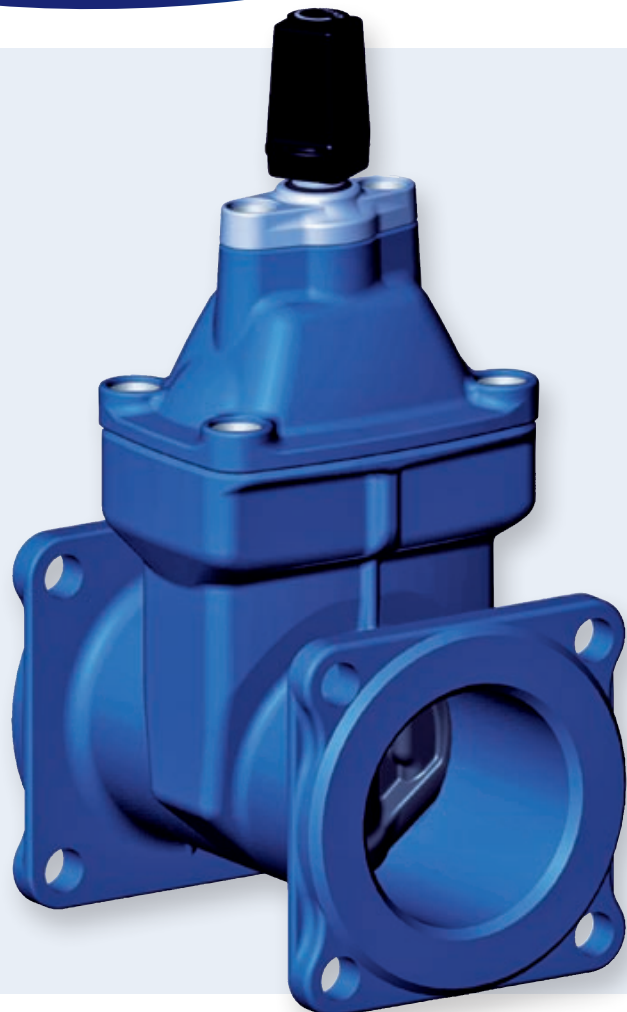


The AUSLITE range of Resilient Seated Gate Valves is designed and manufactured to AS 2638-2, AS 1831 and AS 4158. Super light, easy to lift and with low operating torques, operation is fast and efficient.

tyco
Water

AUSLITE Resilient Seated Gate Valves

- 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 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 polymeric 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.
- Anticlockwise closing or clockwise closing available.
- Key or hand wheel operation.



General application

AUSLITE 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.

For non potable media applications such as sewage or salt water use the aggressive media version.

Technical data

Size Range:

DN 80, DN 100 and DN 150

Allowable Operating Pressures:

1600kPa, 2500kPa

Maximum Temperature:

40°C

End Connections:

Flanged to AS 4087 Fig B5, B6
TYTON® socket, spigot, shouldered

Certifications:

ISC AS 2638.2

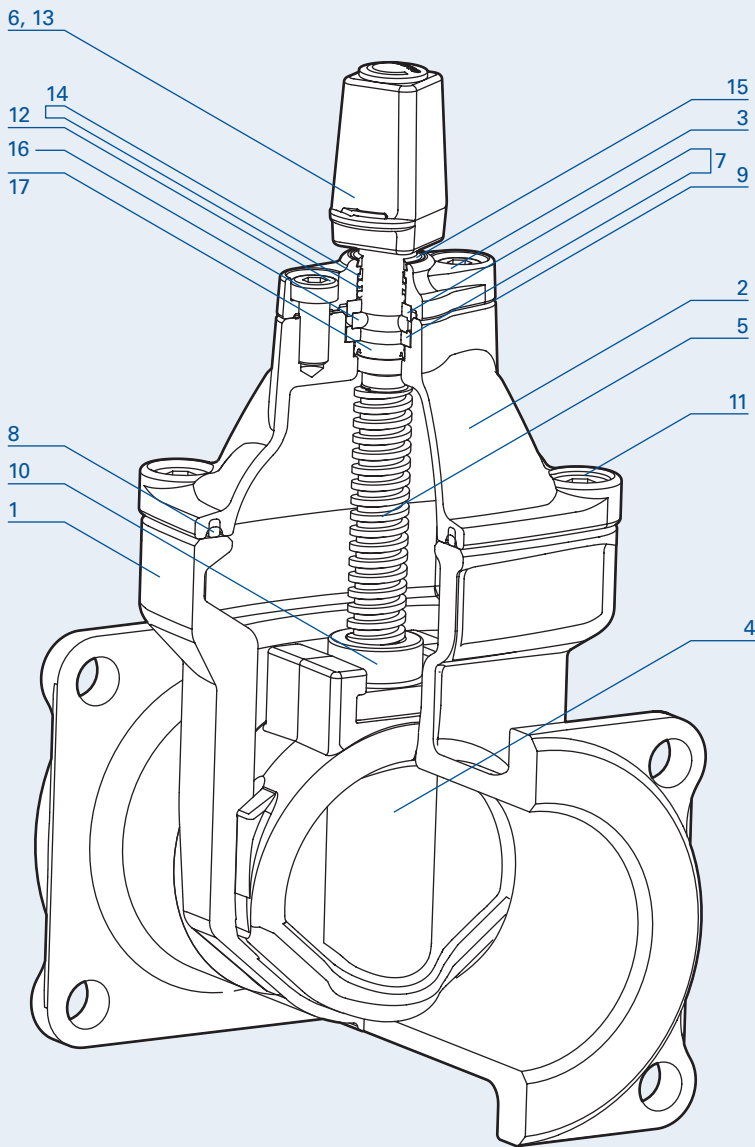
ProductMark Registration

No. PRD/R61/0412/2

Certified to AS 4020 – suitable for contact with drinking water.

AUSLITE Resilient Seated Gate Valve parts list

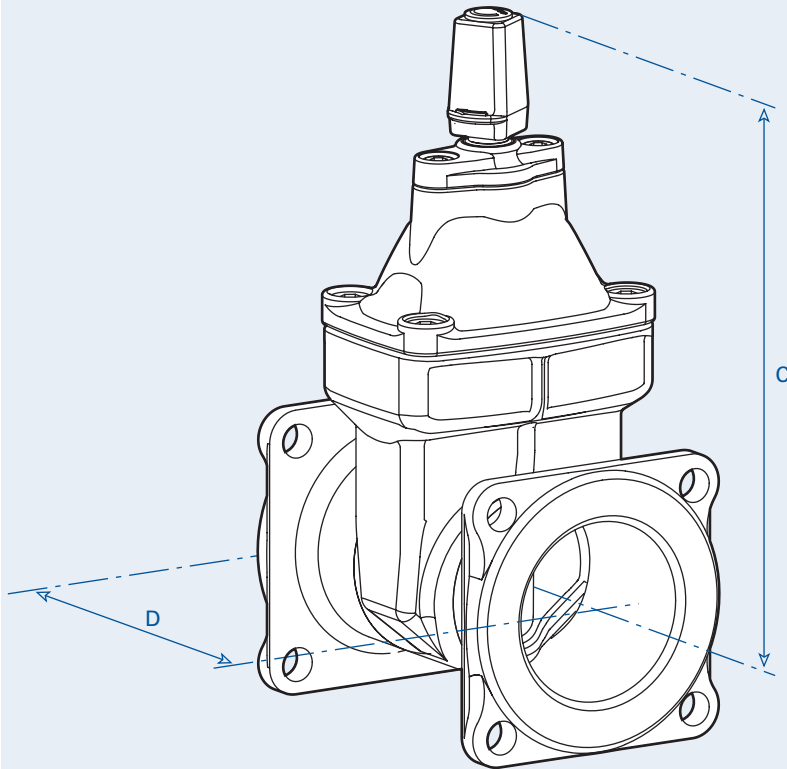
No	Description Material / Standard
1	Body Ductile Iron / Fusion Polymeric Coated AS 1831 400-15 min / AS 4158
2	Bonnet Ductile Iron / Fusion Polymeric Coated AS 1831 400-15 / AS 4158
3	Retaining Plate Stainless Steel ASTM A276 316 / 431
4	Wedge Ductile Iron (EPDM Encapsulated) AS 1831 400-15 min
5	Stem Stainless Steel ASTM A276 431
6	Stem Cap Ductile Iron / AS 1831 400-15 min
7	Backseal / Collar Retainers Copper Alloy – Dezincification Resistant / AS 1567 C48600 min / C69300 min
8	Body Gasket EPDM / AS 1646
9	Top Gasket EPDM / AS 1646
10	Wedge Nut Copper Alloy – Dezincification Resistant / AS 1567 C48600 min
11	Counter Sunk Screw and Isolation Stainless Steel / ASTM A276 316 / Silicon
12	Socket Head Cap Screw and Isolation Stainless Steel / ASTM A276 316 / Silicon
13	Stem Cap Retaining Screw Stainless Steel / ASTM A276 316
14	O-Ring Nitrile Rubber / AS 1646
15	Wiper Ring EPDM / AS 1646
16	Collet Set / Copper Alloy – Dezincification Resistant AS 1567 C69300 min
17	Backseal Ring Nitrile Rubber / AS 1646 min



AUSLITE Resilient Seated Gate Valve specifications

Valve Size	<i>DN</i>	80	100	150
Flange face to face dimension – <i>D</i>	<i>mm</i>	203	229	267
Socket to socket dimension (effective length)– <i>D mm</i>		NA	120	130
Flange dimensions* – AS 4087 Fig B5, B6		PN 16 / 35		
Height – centreline to stem top	<i>mm</i>	245	285	375
– centreline to standard cap – <i>C</i>	<i>mm</i>	280	320	405
– centreline to hand wheel rim	<i>mm</i>	285	315	410
Turns to close (approx)		17	21	31
Maximum operating torque – MOT	<i>N/m</i>	75	100	150
Actual torque to seal (approx)	<i>N/m</i>	25	30	50
Production hydrostatic test – body	<i>KPa</i>	2400		
– seat	<i>KPa</i>	1600		
Closing direction (CC) / (ACC)		ACC and CC available		
Mass of stem cap valve (approx)	<i>kg</i>	13	14	27

* PN 35 flange dimensions are used for PN 25 flanges



End connections



DN 100
DN 150
TYTON®
Socket



DN 80
DN 100
Flange



DN 150
Flange



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.
- 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 elastomer – partially coated wedges are not acceptable.
- The stem shall be Grade 431 Stainless Steel incorporating a failsafe thrust collar.
- The spindle seal shall be effected 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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