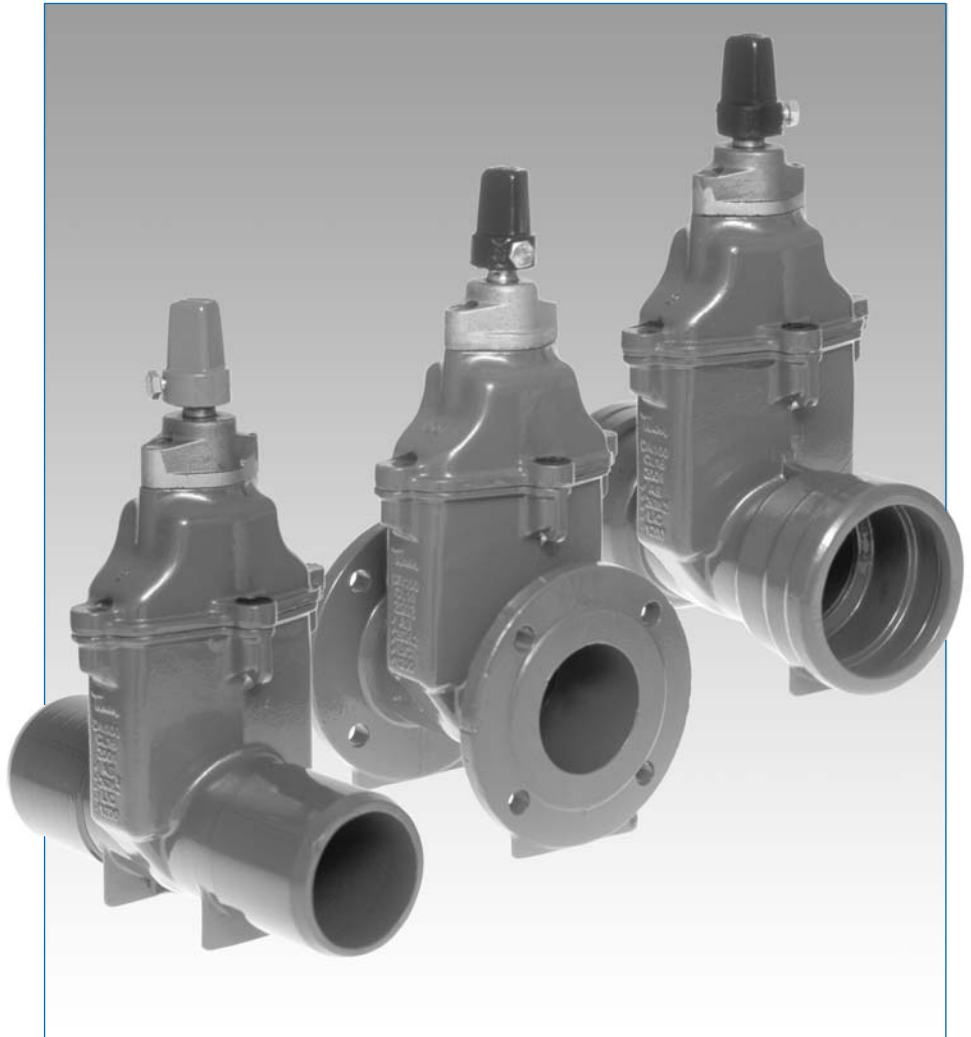




Figure 500 resilient seated gate valves are designed and manufactured to AS 2638.2

Features

- Ductile Iron body and bonnet for high strength and impact resistance.
- Ductile Iron gate fully encapsulated in EPDM rubber to ensure drop tight sealing.
- Grade 431 Stainless Steel spindle for high strength and corrosion resistance.
- Gunmetal dezincification resistant top casting 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.
- Thermally 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.
- Integral lifting lugs for installation convenience.
- Anticlockwise closing or clockwise closing available.
- Key, hand wheel or gearbox operation available.



General Application

Figure 500 resilient seated gate valves are suitable for use with drinking water and waste water, in below or above ground applications. Used for the isolation of sections and branches in pipelines.

Technical Data

Size Range: DN80-DN600

Allowable Operating Pressure: 1600 or 2500 kPa.

Maximum Temperature: 40°C

End Connections:

Flanged to AS 4087 Fig B5 or B6

TYTON® Socket

Spigot to AS/NZS 2280

Flange – TYTON Socket

Certifications:

WSAA Appraisal No. 98/21

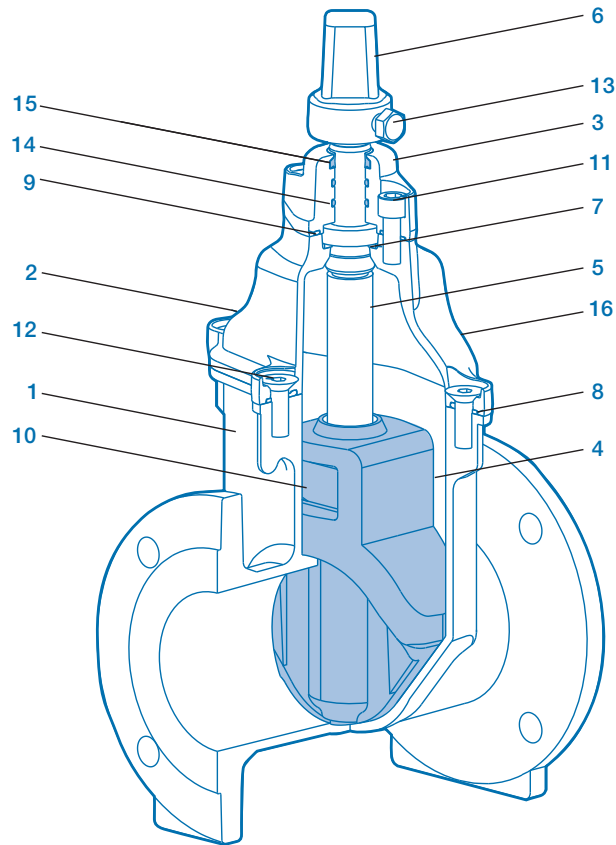
ISC AS 2638 Certified Product

License No. PRD/R61/0412/2

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

Resilient Seated Gate Valves - Figure 500

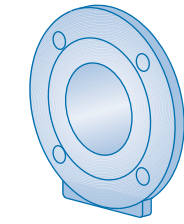
DN80 - DN600



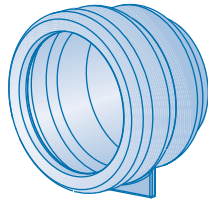
Parts List

No	Description	Material	Standard
1	Body	Ductile Iron	AS 1831 400-15
2	Bonnet	Ductile Iron	AS 1831 400-15
3	Seal Retainer	Gunmetal	AS 1565 C83600
4	Gate	Ductile Iron (EPDM Encapsulated)	AS 1831 400-15
5	Spindle	Stainless Steel	ASTM A 276 431
6	Spindle Cap	Ductile Iron	AS 1831 400-15
7	Thrust Washer	Acetal	-
8	Body Gasket	EPDM	AS 1646
9	Bonnet Gasket	EPDM	AS 1646
10	Gate Nut	Gunmetal	AS 1565 C83600
11	Socket Head Screws	High Tensile Alloy Steel	-
12	Countersunk Screws	High Tensile Alloy Steel	-
13	Hex Head Screw	Stainless Steel	ASTM A276 316
14	O-Rings	Nitrile Rubber	AS 1646
15	Wiper Ring	Nitrile Rubber	AS 1646
16	Polymeric Coating	-	AS/NZS 4158

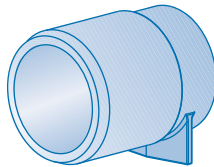
End Connections



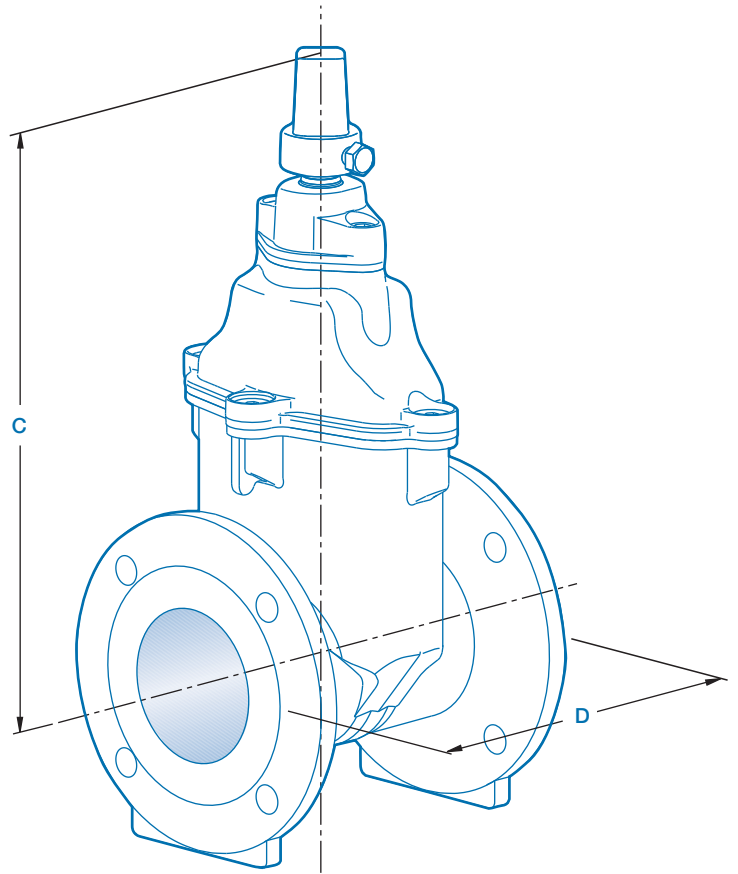
Flange



Socket



Spigot



Dimensions (mm)

Valve Size	C	D			Turns to Close	Approx. Mass kg
		TYTON Socket	PN 16 Flange AS4087 Fig B5	Spigot		
80*	367	-	203	305	-	18
100†	402	150	229	365	229	24
150†	502	170	267	380	267	43
200†	610	195	292	410	-	75
225†	649	205	305	420	-	85
250†	723	235	330	435	-	110
300	810	245	356	450	-	160
375	960	275	381	-	-	340
450	1145	-	432	-	-	560
500	1290	-	457	-	-	710
600	1467	-	508	-	-	940

Note:

For compatibility with Series 1 PVC (white) pipe, PLASTYT gaskets may be used in TYTON sockets.

* Flange to Polydex socket available.

† Flange to TYTON socket available.

Resilient Seated Gate Valves - Figure 500

DN80 - DN600

Available Range

DN	Resilient Seated Gate Valves				
	Inside Screw				PN 25 FI-FI
	FI-FI	Sc-Sc	PN 16 Sp-Sp	FI-Sc	
80	✓		✓	✓	
100	✓	✓	✓	✓	✓
150	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	
225	✓	✓	✓	✓	
250	✓	✓	✓	✓	
300	✓	✓	✓	✓	
375	✓	✓			
450	✓				
500	✓				
600	✓				
Fig No.	500	500	500	500	500

Coating

Polymeric Coating	✓	✓	✓	✓	✓
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Options

Anticlockwise Closing	✓	✓	✓	✓	✓
Clockwise Closing	✓	✓	✓	✓	✓
Gear Actuator	✓				✓
Flange Drilling Fig B5 (TC)	✓			✓	Fig B6 (HP)

Recommended Specification

- Gate valves shall be resilient seated conforming to AS2638.2.
- The allowable operating pressure shall be 1600/2500 kPa.
- 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 431 Stainless Steel incorporating a failsafe thrust collar.
- The spindle seal retainer shall be manufactured from a dezincification resistant copper alloy to AS1565.
- 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.