

## APPLICATIONS

Betta Resilient seat gate valves comply with AS/NZS 2638.2 and are suitable for use in potable water, non-potable water and wastewater systems installed above ground and below ground.

The VGF Series model with stem cap is designed to be operated by handwheel or handheld portable actuator.

## TECHNICAL DATA

Standard:	AS/NZS 2638.2 (Lic OMK25731) WSAA Product Appraisal 1121 – Betta Valves
Size Range:	DN 80 – 100
Pressures:	Operating Pressure 1600 kPa (PN 16) Test Pressure – Seal 1760 kPa Test Pressure – Body 2400 kPa
Temperatures:	Max 80 deg C, Max 40 deg C for potable water systems to AS 4020
Coating:	Fusion Bonded coating to AS/NZS 4158
End connections:	Flange (AS 4087, PN16)
Closing options:	Anti-clockwise (ACC) and Clockwise closing (CC)
Options:	Handwheels or Gearbox actuators Extension spindles Restraint – Anchor Legs and SS Straps Alternate Flange drillings available on request

**FLANGE PN16**  
DN 80 – 100

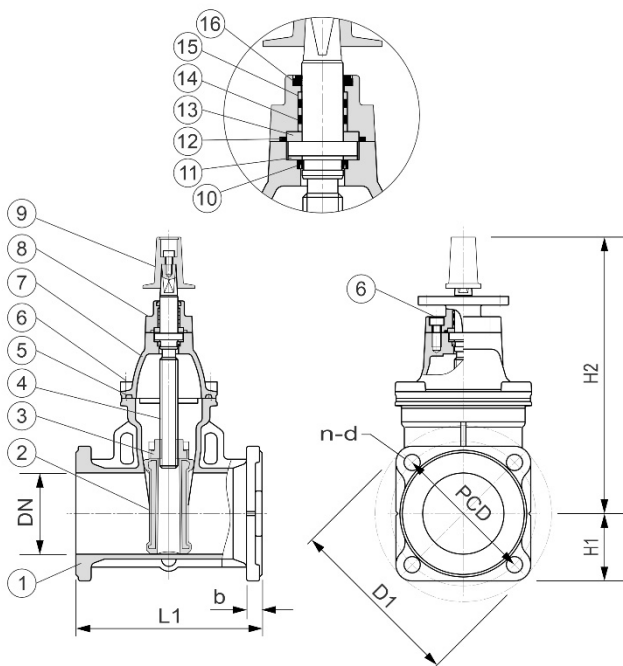


## FEATURES

- High strength and corrosion resistant materials
- EPDM encapsulated ductile iron wedge ensures effective sealing
- Full bore design eliminates blockages
- Anti-friction components for lower operating torques
- Integrated cast in foot design provides stability
- Isolated fasteners are encapsulated with hot melt silicon coating
- Valve can be installed in either the vertical or horizontal position.
- 10 Year Manufacturer's Warranty against Defects.

## COMPONENTS

ITEM	PART	MATERIAL	STANDARD
1	Body	Ductile Iron Gr 500-7	AS 1831
2	Wedge	Ductile Iron Gr 500-7, EPDM encapsulated	AS 1831 AS 1646
3	Stem Nut	DR Brass C48600	AS 1568
4	Stem	Stainless Steel Gr 431	ASTM A276
5	Bonnet Gasket	EPDM	AS 1646
6	Bolts – Bonnet, Gland & Stem Cap	Stainless Steel Gr 316	ASTM A276
7	Bonnet	Ductile Iron Gr 500-7	AS 1831
8	Gland	Stainless Steel Gr 316	ASTM A276
9	Stem Cap	Ductile Iron Gr 500-7	AS 1831
10	O-Ring Seal	NBR	AS 1646
11	Thrust Washer	POM	AS 1646
12	Gland O-Ring	NBR	AS 1646
13	Washer	DR Brass C48600	AS 1568
14	Stem Seals	NBR	AS 1646
15	Thrust Collar	POM	AS 1646
16	Dust Cover	EPDM	AS 1646



## DIMENSIONS

DN	L1	H1	H2	D1	PCD	n-d	b	No Turns	Torque In Nm	Weight kg	ACC	CC
80	203	72	330	185	146	4-18d	18	22	50	16	VGf08	VGf08C
100	229	82	340	215	178	4-18d	20	22	60	18	VGf10	VGf10C

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