

APPLICATIONS

PE Restraint resilient seat gate valves comply with AS 2638.2 and are suitable for PE pipelines in potable water, non-potable water and wastewater systems installed above ground and below ground.

TECHNICAL DATA

Standard:	AS 2638.2 (Lic OMK25731) WSAA Appraisal I121 Issue 8 – Betta Valves (OD 90-180)
Size Range:	OD 90 – OD 280
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:	Mechanical Restraint for PE pipes (PN 12.5 or PN 16)
Closing options:	Anti-clockwise (ACC) and Clockwise closing (CC)
Options:	Handwheels or Gearbox actuators ISO flange for gearbox actuators Extension spindles

PE RESTRAINT PN16
OD 90 – 280

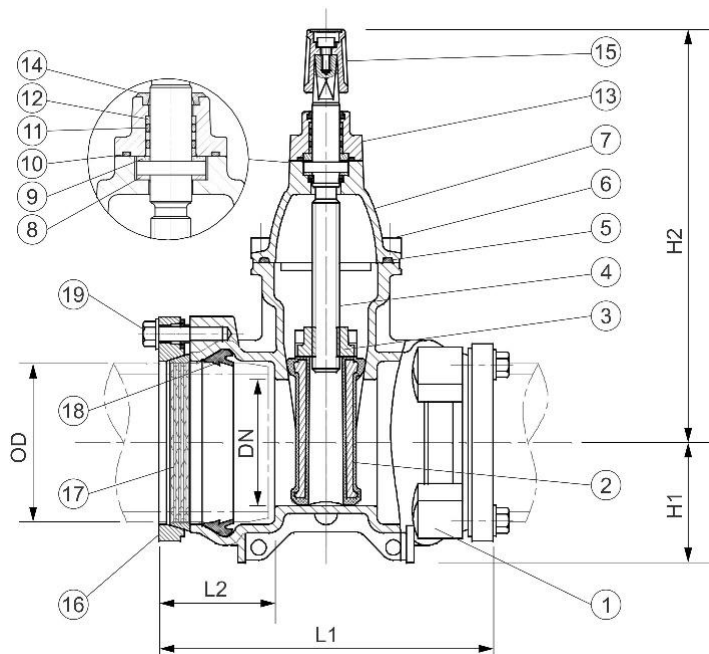


FEATURES

- 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

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, Dust Cover & Stem Cap	Stainless Steel Gr 316	ASTM A276
7	Bonnet	Ductile Iron Gr 500-7	AS 1831
8	Washer	EPDM	AS 1646
9	Washer	DR Brass C48600	AS 1568
10	Bonnet O-Ring	NBR	AS 1646
11	O-Ring Seals	NBR	AS 1646
12	Thrust Collars	POM	AS 1646
13	Seal Retainer	DN80-150 – SS Gr 316 Other sizes – DI Gr 500-7	ASTM A276 AS 1831
14	Dust Cover	EPDM	AS 1646
15	Stem Cap	Ductile Iron Gr 500-7	AS 1831
16	End Ring	Ductile Iron Gr 500-7	AS 1831
17	Grip Ring	Brass C37710	AS1568
18	Seal Ring	EPDM	AS1646
19	Bolt & Washer	Stainless Steel Gr 316	ASTM A276



OD	DN	L1	L2	H1	H2	No Turns	Torque In Nm	Weight kg	ACC	CC
90	80	252	88	72	310	17	50		VGG090	VGG090C
125	100	260	88	95	330	21	65		VGG125	VGG125C
180	150	355	118	120	420	31	110		VGG180	VGG180C
250	250	410	148	160	670	43	200		VGG250	VGG250C
280	250	422	152	180	670	43	200		VGG280	VGG280C

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