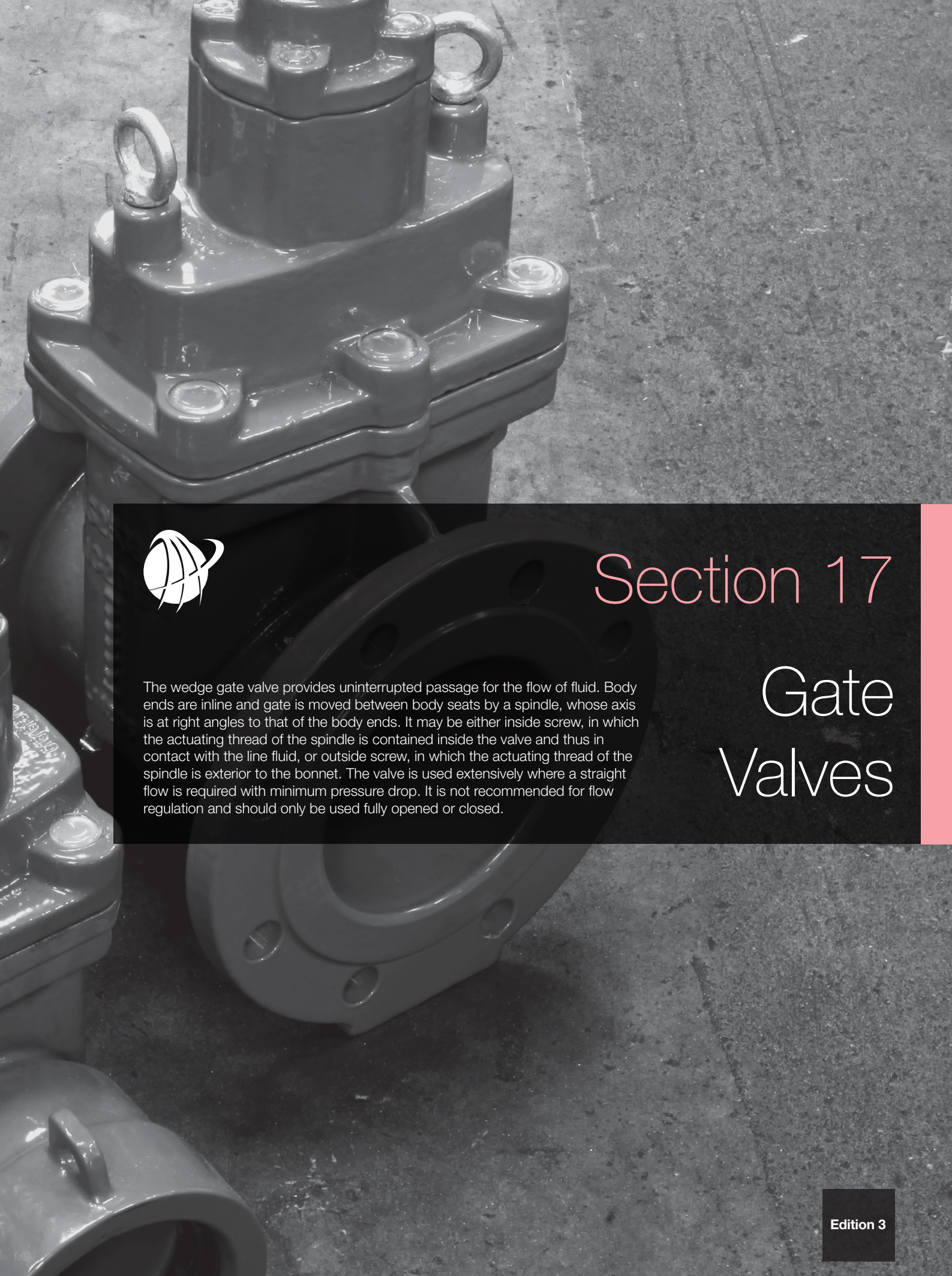


Section 17

Gate Valves

The wedge gate valve provides uninterrupted passage for the flow of fluid. Body ends are inline and gate is moved between body seats by a spindle, whose axis is at right angles to that of the body ends. It may be either inside screw, in which the actuating thread of the spindle is contained inside the valve and thus in contact with the line fluid, or outside screw, in which the actuating thread of the spindle is exterior to the bonnet. The valve is used extensively where a straight flow is required with minimum pressure drop. It is not recommended for flow regulation and should only be used fully opened or closed.

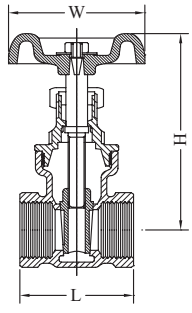
Edition 3

DR Brass Approved Gate Valve - A59M

Materials	
PART	MATERIAL
Body	DR Brass
Bonnet	DR Brass
Wedge	DR Brass
Stem	DR Brass
Hand Wheel	Ductile Iron
Packing	P.T.F.E.

Specifications	
Thread	AS1722.1
MAX Working Temperature	180°C
Cold Working Pressure	2500kPa

Applications - Potable Water, Low Pressure Heating, Waterworks, Irrigation, Air Systems and Low Pressure Steam



WaterMark
AS1628 Lic: WMKA02766

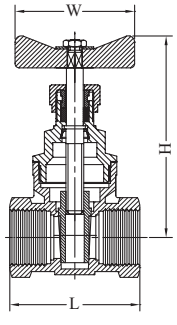
DR Brass Approved Gate Valve - A59M					
AAP CODE	SIZE	L	H	W	APPROX. KG/PC
VBG15T	1/2	57	77	54	0.45
VBG20T	3/4	62	90	59.5	0.55
VBG25T	1	72.5	103.5	71.5	0.85
VBG32T	1 1/4	82.5	122	71.5	1.15
VBG40T	1 1/2	85.5	134	80	1.6
VBG50T	2	98	160	99.5	2.75
VBG65T	2 1/2	105	198	117	3.5
VBG80T	3	117	230	140	5.08
VBG94T	4	135	285	140	9.11

DR Brass Approved Gate Valve - A59M (T - Lever)

Materials	
PART	MATERIAL
Body	DR Brass
Bonnet	DR Brass
Wedge	DR Brass
Stem	DR Brass
Hand Wheel	Ductile Iron
Packing	P.T.F.E.
Tee Handle	DR Brass

Specifications	
Thread	AS1722.1
MAX Working Temperature	180°C
Cold Working Pressure	2500kPa

Applications - Potable Water, Low Pressure Heating, Waterworks, Irrigation, Air Systems and Low Pressure Steam



WaterMark
AS1628 Lic: WMKA02766

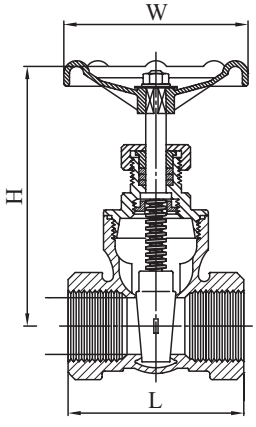
DR Brass Approved Gate Valve - A59M (T - Lever)					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
VBG25TTL	1	72.5	103.5	65	0.77
VBG32TTL	1 1/4	82.5	122	84	1.2
VBG40TTL	1 1/2	85.5	134	84	1.56
VBG50TTL	2	98	160	104	2.51

General Purpose Brass Gate Valve

Material List	
PART	MATERIAL
Body	Brass
Bonnet	Brass
Wedge	Brass
Stem	Brass
Hand Wheel	Ductile Iron
Threading	ISO 228

Specifications	
Thread	ISO 228
MAX Working Temperature	180°C
Cold Working Pressure	1600kPa

General Purpose Brass Gate Valve					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
VBGTT15	1/2	43	85	50	0.24
VBGTT20	3/4	48	100	50	0.36
VBGTT25	1	57	120	58	0.53
VBGTT32	1 1/4	63	145	77	0.78
VBGTT40	1 1/2	65	155	77	1.05
VBGTT50	2	78	190	97	1.63
VBGTT65	2 1/2	85	220	97	2.28
VBGTT80	3	96	260	108	3.97
VBGTT94	4	105	300	126	5.39



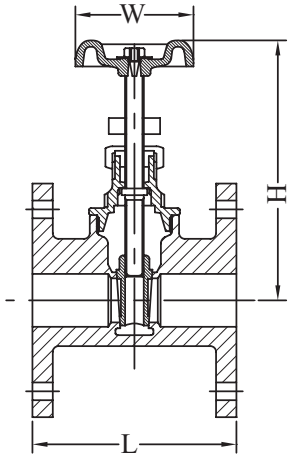
Brass Flanged Gate Valve

Materials	
PART	MATERIAL
Handle	Aluminium Alloy
Shaft	304 Stainless Steel
Bonnet	Brass
Body	Brass
Wedge	Brass
Packing	Teflon

Specifications	
Flanges 15mm - 80mm	AS2129 T/E
Flanges 100mm	Undrilled
Cold Working Pressure	1380kPa
MAX Working Temperature	180°C

Applications - Water, Oil, Gas, Irrigation

Brass Flanged Gate Valve							
AAP CODE	IMPERIAL SIZE	L	H	W	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
VBGF15	1/2	80	95	60	4	14	1.55
VBGF20	3/4	90	98	60	4	14	1.95
VBGF25	1	100	110	60	4	14	2.48
VBGF32	1 1/4	109	125	70	4	14	3
VBGF40	1 1/2	114	135	70	4	14	3.83
VBGF50	2	110	150	105	4	18	4.82
VBGF65	2 1/2	130	190	130	4	18	6.6
VBGF80	3	150	210	180	4	18	9.27
VBGF94	4	178	257	200		UNDRILLED	13.5

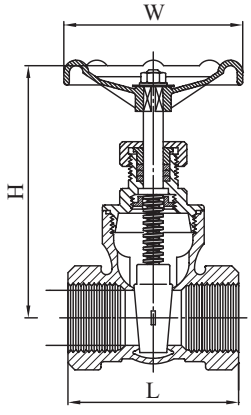


Bronze Screwed Gate Valve

Material List	
PART	MATERIAL
Body	Bronze
Bonnet	Bronze
Wedge	Bronze
Stem	Bronze
Hand Wheel	Ductile Iron

Specifications	
Thread	ISO 228
MAX Working Temperature	180°C
Cold Working Pressure	1600kPa

Applications - Water, Oil, Gas, Irrigation



Bronze Screwed Gate Valve TM-107					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
VBZG15	1/2	43	85	50	0.27
VBZG20	3/4	48	100	50	0.39
VBZG25	1	57	120	58	0.53
VBZG32	1 1/4	63	145	77	0.71
VBZG40	1 1/2	65	155	77	0.89
VBZG50	2	78	190	97	1.27
VBZG80	3	96	260	108	2.4

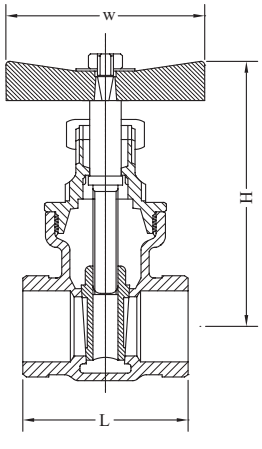
Bronze Shouldered Gate Valve (T - Lever)

Material List	
PART	MATERIAL
Body	Bronze
Bonnet	Bronze
Wedge	Bronze (EPDM capsulated)
Stem	Bronze

Specifications	
MAX Working Temperature	120°C
Cold Working Pressure	1200kPa

Applications - Water, Oil, Gas, Irrigation

Bronze Shouldered Gate Valve (T - Lever)					
AAP CODE	IMPERIAL SIZE	H	L	W	APPROX. KG/PC
VBZG50S	2	102.5	176	104	2.5



Resilient Seat Gate Valves

Certified to AS/NZS:2638:2011
AAP Standards Mark License - SMKP20171.4
This license covers DN80-DN600 valves
Certified to AS4020 - Suitable for contact with drinking water
WSAA Product Appraisal Report 11/26
Sydney Water Approval - No. 200808
Yarra Valley Water Authorisation - Ref. YVW 12/11
City West Water CWW 12/596
South East Water SEW 12/0117
Hunter Water Corporation HWC 2012-35/49/1

Material List	
PART	MATERIAL
Body	Ductile Iron (epoxy resin coating)
Bonnet	Ductile Iron (epoxy resin coating)
Wedge	Ductile Iron (bonded Rubber)
Stem	431 Stainless Steel
O'Ring	EPDM
Seal Bushing	EPDM

Specifications	
MAX Working Temperature	40°C
Cold Working Pressure	1600kPa
Design	AS2638.2*
Flange Drilling T/C	AS4087
Flange Drilling T/E	AS2129
Socket Ends	AS 2280
Coating Thickness	AS4158

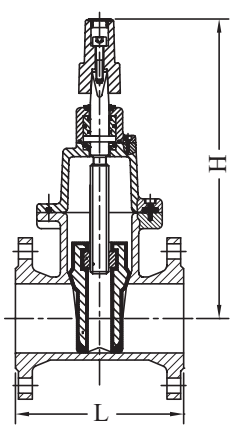
N.B DN50 and DN65 are not covered by AS2638.2

Applications - Water, sewage and neutral liquid applications
"The Valves are distinguished by White cap for Anticlockwise and Red cap for Clockwise"
For buired applications is recomended installation comply with Australian Standard - AS/NZS 2566.2

Resilient Seat Gate Valve Clockwise Table C

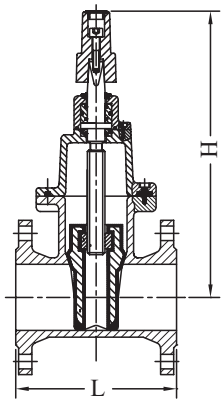
Resilient Seat Gate Valve Clockwise Table C							
AAP CODE		IMPERIAL SIZE	L	H	HOLE DIAMETER	NO. HOLES	APPROX. KG/PC
WITH SPINDLE CAP	WITH GEAR-OP						
VRSCC50C*		2	175	308	18	4	11.5
VRSCC65C*		2 1/2	190	318	18	4	13.5
VRSCC80C		3	203	358	18	4	15
VRSCC100C		4	229	386	18	4	26
VRSCC150C		6	267	406	18	8	48
VRSCC200C		8	292	634	18	8	77
VRSCC250C		10	330	724	22	8	112
VRSCC300C		12	356	834	22	12	163
VRSCC350C	VRSCC350C-GO	14	381	960	26	12	258
VRSCC400C	VRSCC400C-GO	16	406	1103	26	12	330
VRSCC450C	VRSCC450C-GO	18	432	1173	26	12	408
VRSCC600C	VRSCC600C-GO	24	508	1440	30	16	660

* Not Certified



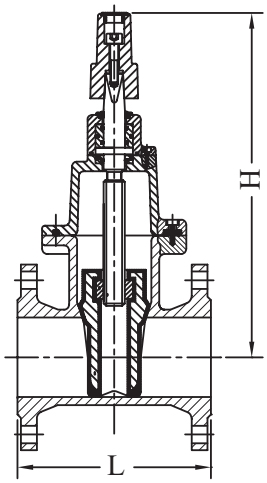
Resilient Seat Gate Valve Clockwise Table E

Resilient Seat Gate Valve Clockwise Table E						
AAP CODE	IMPERIAL SIZE	L	H	HOLE DIAMETER	NO. HOLES	APPROX KG/PC
VRSCC100E	4	229	386	18	8	26
VRSCC150E	6	267	406	22	8	48
VRSCC200E	8	292	634	22	8	77
VRSCC250E	10	330	724	22	12	112
VRSCC300E	12	356	834	26	12	163



Resilient Seat Gate Valve Anti-Clockwise Table C

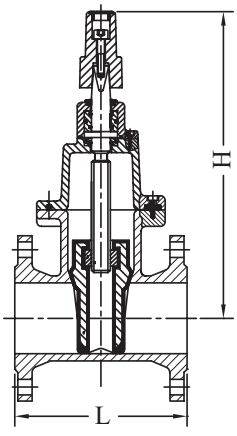
Resilient Seat Gate Valve Anti-Clockwise Table C							
AAP CODE		IMPERIAL SIZE	L	H	HOLE DIAMETER	NO. HOLES	APPROX. KG/PC
WITH SPINDLE CAP	WITH GEAR-OP						
VRSACC80C		3	203	358	18	4	15
VRSACC100C		4	229	386	18	4	26
VRSACC150C		6	267	406	18	8	48
VRSACC200C		8	292	634	18	8	77
VRSACC225C		9	305	660	18	8	99
VRSACC250C		10	330	724	22	8	112
VRSACC300C		12	356	834	22	12	163
VRSACC375C		15	381	1093	26	12	303
VRSACC450C	VRSACC450C-GO	18	432	1173	26	12	408
VRSACC600C	VRSACC600C-GO	24	508	1440	30	16	660



* Not Certified

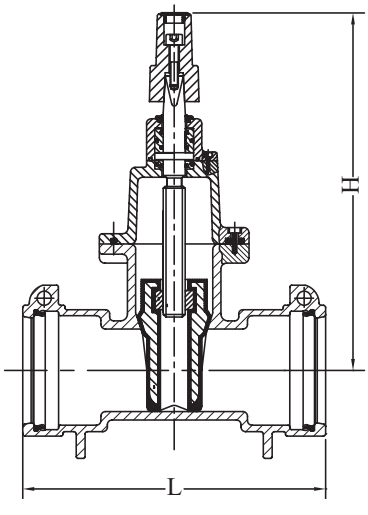
Resilient Seat Gate Valve Anti-Clockwise Table E

Resilient Seat Gate Valve Anti-Clockwise Table E						
AAP CODE	IMPERIAL SIZE	L	H	HOLE DIAMETER	NO. HOLES	APPROX KG/PC
VRSACC100E	4	229	386	18	8	26
VRSACC150E	6	267	406	22	8	48
VRSACC200E	8	292	634	22	8	77
VRSACC250E	10	330	724	22	12	112
VRSACC300E	12	356	834	26	12	163



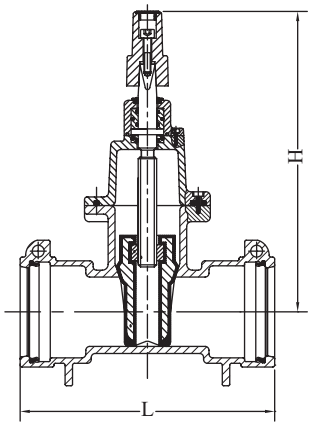
Resilient Seat Socket End Gate Valve Anti-Clockwise

Resilient Seat Gate Valve Anti-Clockwise Socket End				
AAP CODE	IMPERIAL SIZE	L	H	APPROX. KG/PC
VRSACC100SOC	4	340	391	27
VRSACC150SOC	6	373	506	49
VRSACC200SOC	8	460	622	85
VRSACC225SOC	9	305	660	112
VRSACC250SOC	10	482	726	120
VRSACC300SOC	12	520	839	180



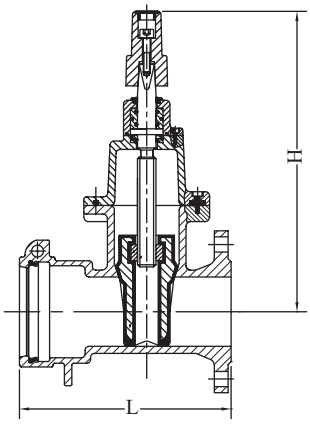
Resilient Seat Socket End Gate Valve Clockwise

Resilient Seat Gate Valve Clockwise Socket End				
AAP CODE	IMPERIAL SIZE	L	H	APPROX. KG/PC
VRSCC100SOC	4	340	391	27
VRSCC150SOC	6	373	506	49
VRSCC200SOC	8	460	622	85
VRSCC225SOC	9	305	660	112
VRSCC250SOC	10	482	726	120
VRSCC300SOC	12	520	839	180



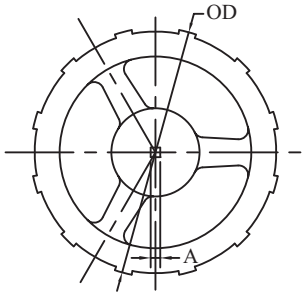
Resilient Seat Gate Valve Anti-Clockwise Table C / Socket End

Resilient Seat Gate Valve Anti-Clockwise Table C / Socket End						
AAP CODE	IMPERIAL SIZE	L	H	HOLE DIAMETER	NO. HOLES	APPROX KG/PC
VRSACC80C/S	3	271	362	18	4	15
VRSACC100C/S	4	284.5	391	18	4	27
VRSACC150C/S	6	320	506	18	8	50



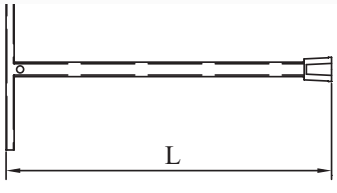
Handle to Suit Resilient Seat Gate Valves

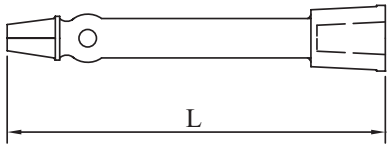
Handle to Suit Resilient Seat Gate Valve					
AAP CODE		IMPERIAL SIZE	A	OD	APPROX. KG/PC
CLOCKWISE (CC)	ANTICLOCKWISE (ACC)				
VRSH50	VRSH50ACC	2	14	200	1.2
VRSH80	VRSH80ACC	2 1/2 & 3	16.5	200	1.2
VRSH100	VRSH100ACC	4	18.5	250	2
VRSH150	VRSH150ACC	6	18.5	350	3.8
VRSH200	VRSH200ACC	8	23.5	350	4
VRSH300	VRSH300ACC	10 &12	26.5	500	8



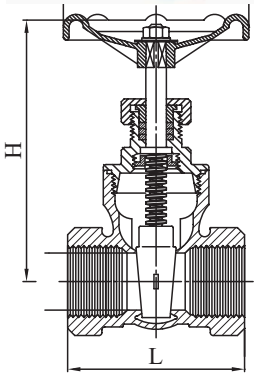
Accessories for Resilient Seat Gate Valve

Accessories for Resilient Seat Gate Valve			
AAP CODE	FUNCTION	L	APPROX. KG/PC
VRSSE150	Stem Extension	150	2.5
VRSSE300	Stem Extension	300	3.7
VRSSE375	Stem Extension	375	4.2
VRSKEY	Key	900	5





Stainless Steel Gate Valve



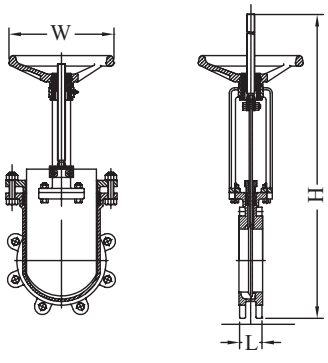
Material List	
PART	MATERIAL
Stem	316 Stainless Steel
Body	CF8M
Bonnet	CF8M
Wedge	CF8M
Gasket	PTFE

Specifications	
Cold Working Pressure	1400kPa
MAX Working Temperature	180°C
Thread	AS 1722.1

Stainless Steel Gate Valve					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
SSGA15	1/2	55	90	70	0.4
SSGA20	3/4	66	98	70	0.54
SSGA25	1	70	108	80	0.69
SSGA32	1 1/4	75	120	90	0.98
SSGA40	1 1/2	85	146	90	1.5
SSGA50	2	95	162	100	2.26
SSGA65	2 1/2	116	213	140	5.8
SSGA80	3	130	241	140	8.8

Stainless Steel Metal Seat Knife Gate Valve (Table E)

Stainless Steel Knife gate valve are designed for inline service. Should the valve be used on dead-end application a support flange should be used



Material List	
PART	MATERIAL
Body	CF8M
Gland Packing	Braided PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	CF8
Hand Wheel	Cast Steel
Stem	304 Stainless Steel
Clevis	CF8
Grease Nipple	304 Stainless Steel

Specifications	
Valve Design	MSS SP-81
Flange	AS2129
Cold Working Pressure	1034kPa
MAX Working Temperature	200°C

Applications - Tailing, Slurries, Mining, Effluents, Food Processing, Abattoir Waste, Paper Pulp, Sugar Engineering, Water Treatment

Stainless Steel Knife Gate Valve - Metal Seat (Unidirectional)							
AAP CODE	IMPERIAL SIZE	L	H	W	BOLT SIZE	NO. BOLTS	APPROX. KG/PC
VKGMS50	2	47	413	203	M16	4	10
VKGMS80	3	51	521	203	M16	4	14.2
VKGMS100	4	51	635	254	M16	8	17.5
VKGMS150	6	57	800	305	M20	8	26.8
VKGMS200	8	70	978	356	M20	8	38.2
VKGMS250	10	70	1110	406	M20	12	56
VKGMS300	12	76	1360	419	M24	12	77
VKGMS350	14	76	1447	480	M24	12	104
VKGMS400	16	89	1676	480	M24	12	164
VKGMS450	18	89	1854	531	M24	16	176

Stainless Steel Metal Seat Knife Gate Valve (Table D)

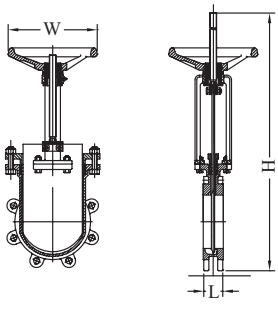
Material List	
PART	MATERIAL
Body	CF8M
Gland Packing	Braided PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	CF8
Hand Wheel	Cast Steel
Stem	304 Stainless Steel
Clevis	CF8
Grease Nipple	304 Stainless Steel

Specifications	
Valve Design	MSS SP-81
Flanges	AS2129
Cold Working Pressure	1034kPa
MAX Working Temperature	200°C

Applications - Tailing, Slurries, Mining, Effluents, Food Processing, Abattoir Waste, Paper Pulp, Sugar Engineering, Water Treatment

Stainless Steel Knife gate valve are designed for inline service. Should the valve be used on dead-end application a support flange should be used

Stainless Steel Knife Gate Valve - Metal Seat (Unidirectional)							
AAP CODE	IMPERIAL SIZE	L	H	W	BOLT SIZE	NO. BOLTS	APPROX. KG/PC
VKGMS100D	4	51	635	254	M16	4	17.5
VKGMS150D	6	57	800	305	M16	8	26.8
VKGMS200D	8	70	978	356	M16	8	38.2
VKGMS250D	10	70	1110	406	M20	8	56
VKGMS300D	12	76	1360	419	M20	12	77



Stainless Steel Knife Gate Valve - Retainer Type (Table D)

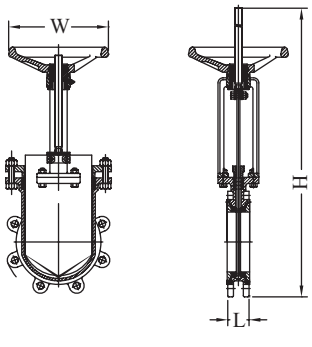
Material List	
PART	MATERIAL
Body	CF8M
Gland Packing	Braided PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	CF8
Hand Wheel	Cast Steel
Stem	304 Stainless Steel
Clevis	CF8
Grease Nipple	304 Stainless Steel
Bearing Housing	CF8
Retainer	CF8M
Retainer Screw	316 Stainless Steel
Seat	NBR

Specifications	
Valve Design	MSS SP-81
Flange	AS2129
Cold Working Pressure	1034kPa
MAX Working Temperature	100°C

AAP Can also supply the following seats - EPDM, PTFE, Stainless Steel Metal Seats, Viton, Ceramic and Polyurethane

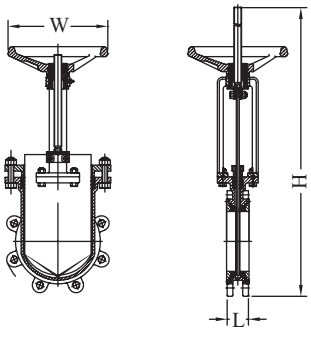
Stainless Steel Knife gate valve are designed for inline service. Should the valve be used on dead-end application a support flange should be used

Stainless Steel Knife Gate Valve - Retainer Type (Table D)							
AAP CODE	IMPERIAL SIZE	L	H	W	BOLT SIZE	NO. BOLTS	APPROX. KG/PC
VKGRS100D	4	51	635	254	M16	4	17.5
VKGRS150D	6	57	800	305	M16	8	26.8
VKGRS200D	8	70	978	356	M16	8	38.2
VKGRS250D	10	70	1110	406	M20	8	56
VKGRS300D	12	76	1360	419	M20	12	77



Stainless Steel Knife Gate Valve - Retainer Type (Table E)

Stainless Steel Knife gate valve are designed for inline service. Should the valve be used on dead-end application a support flange should be used



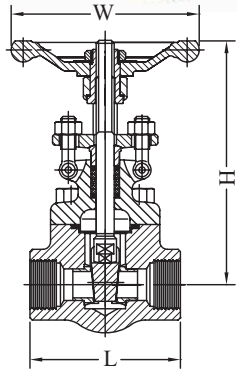
Material List	
PART	MATERIAL
Body	CF8M
Gland Packing	Braided PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	CF8
Hand Wheel	Cast Steel
Stem	304 Stainless Steel
Clevis	CF8
Grease Nipple	304 Stainless Steel
Bearing Housing	CF8
Retainer	CF8M
Retainer Screw	316 Stainless Steel
Seat	NBR

Specifications	
Valve Design	MSS SP-81
Flange	AS2129
Cold Working Pressure	1034kPa
MAX Working Temperature	100°C

AAP Can also supply the following seats - EPDM, PTFE, Stainless Steel Metal Seats, Viton, Ceramic and Polyurethane

Stainless Steel Knife Gate Valve - Retainer Type (Table E)							
AAP CODE	IMPERIAL SIZE	L	H	W	BOLT SIZE	NO. BOLTS	APPROX. KG/PC
VKGRS50	2	47	413	203	M16	4	10
VKGRS80	3	51	521	203	M16	4	14.2
VKGRS100	4	51	635	254	M16	8	17.5
VKGRS150	6	57	800	305	M20	8	26.8
VKGRS200	8	70	978	356	M20	8	38.2
VKGRS250	10	70	1110	406	M20	12	56
VKGRS300	12	76	1360	419	M24	12	77
VKGRS350	14	76	1447	480	M24	12	120
VKGRS400	16	89	1676	480	M24	12	180
VKGRS450	18	89	1854	531	M24	16	176

Forged Steel Gate Valve Class 800 NPT



Material List	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	SS410 (2Cr13)
Seat	H/F Stellite

Specifications	
Design	ANSI B16.34
Thread (NPT)	ASME B1.20.1
Cold Working Pressure	13800kPa
MAX Working Temperature	427°C

Applications - Steam, Oil and Petro Chemical Industry

Forged Steel Gate Valve Class 800 NPT					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
VGA80015	1/2	80	152	88	1.9
VGA80020	3/4	90	158	88	2.3
VGA80025	1	110	196	97	3.6
VGA80032	1 1/4	127	255	138	7
VGA80040	1 1/2	127	255	138	7.3
VGA80050	2	127	290	138	9.7

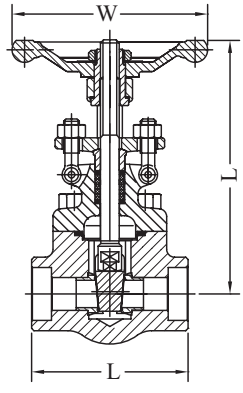
Forged Steel Gate Valve Class 800 (Socketweld)

Material List	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	SS410 (2Cr13)
Seat	H/F Stellite

Specifications	
Design	ANSI B16.34
Socketweld	ASME B16.11
Cold Working Pressure	13800kPa
MAX Working Temperature	427°C

Applications - Steam, Oil and Petro Chemical Industry

Forged Steel Gate Valve Class 800 (Socketweld)					
AAP CODE	IMPERIAL SIZE	L	H	W	APPROX. KG/PC
VGA800SW15	1/2	80	152	88	1.9
VGA800SW20	3/4	90	158	88	2.3
VGA800SW25	1	110	196	97	3.6
VGA800SW32	1 1/4	127	255	138	7
VGA800SW40	1 1/2	127	255	138	7.3
VGA800SW50	2	127	290	138	9.7



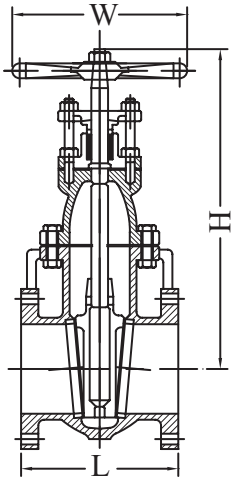
Cast Iron Flanged Solid Wedge Disc Gate Valve Non- Rising Stem (Table D)

Materials	
PART	MATERIAL
Body	Cast Iron
Seat Ring	Cast Bronze
Wedge Face Ring	Cast Bronze
Wedge	Cast Iron
Wedge Nut	Cast Bronze
Stem	Brass
Body Gasket	Full Face Nitrile Gasket
Bolt and Nut	Z/P Steel
Bonnet	Cast Iron
Gland Follower Bolt	Steel
Stuffing Box Gasket	Teflon
Stuffing Box	Cast Iron
Packing	Teflon
Gland Follower	Ductile Iron
Yoke bushing	Cast Brass
Hand wheel	Cast Iron

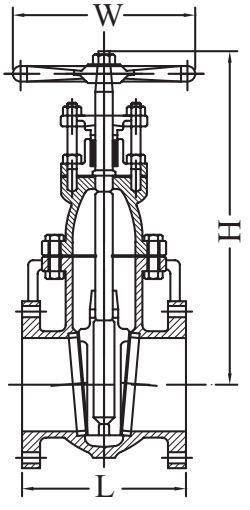
Specifications	
Flange	AS2129
MAX Temperature	100°C
Cold Working Pressure	1379kPa

Applications - Water, Sewage and neutral liquid applications

Cast Iron Flanged Solid Wedge Disc Gate Valve Non- Rising Stem (Table D)							
AAP CODE	IMPERIAL SIZE	L	H	W	HOLE DIAMETER	NO. HOLES	APPROX. KG/PC
VCIG94D	4	229	425	254	18	4	47
VCIGX25D	10	330	754	400	22	8	202



Cast Iron Flanged Solid Wedge Disc Gate Valve Non- Rising Stem (Table E)



Materials	
PART	MATERIAL
Body	Cast Iron
Seat Ring	Cast Bronze
Wedge Face Ring	Cast Bronze
Wedge	Cast Iron
Wedge Nut	Cast Bronze
Stem	Brass
Body Gasket	Full Face Nitrile Gasket
Bolt and Nut	Z/P Steel
Bonnet	Cast Iron
Gland Follower Bolt	Steel
Stuffing Box Gasket	Teflon
Stuffing Box	Cast Iron
Packing	Teflon
Gland Follower	Ductile Iron
Yoke bushing	Cast Brass
Hand wheel	Cast Iron

Specifications	
Flange	AS2129
MAX Temperature	100°C
Cold Working Pressure	1379kPa

Applications - Water, Sewage and neutral liquid applications

Cast Iron Flanged Solid Wedge Disc Gate Valve Non- Rising Stem (Table E)							
AAP CODE	IMPERIAL SIZE	L	H	W	HOLE DIAMETER	NO. HOLES	APPROX. KG/PC
VCIG50E	2	178	313	200	18	4	18
VCIG65E	2 1/2	191	334	200	18	4	25
VCIG80E	3	203	370	200	18	4	30
VCIG94E	4	229	425	254	18	8	47
VCIG95E	5	254	453	300	18	8	65
VCIG96E	6	267	544	300	22	8	80
VCIG98E	8	292	667	345	22	8	141
VCIGX25E	10	330	754	400	22	12	202
VCIGX30E	12	356	879	450	26	12	291

Cast Iron Flanged Solid Wedge Disc Gate Valve - Rising Stem

Materials	
PART	**MATERIAL**
Body	Cast Iron
Seat Ring	Cast Bronze
Wedge Face Ring	Cast Bronze
Wedge	Cast Iron
Wedge Nut	Cast Bronze
Stem	Brass
Body Gasket	Graphite/Steel
Bonnet	Cast Iron
Stuffing Box Gasket	Teflon
Stuffing Box	Cast Iron
Packing	Teflon
Gland Follower	Ductile Iron
Yoke bushing	Cast Brass
Hand wheel	Cast Iron

Specifications	
Flange	AS2129
MAX Temperature	200°C
Cold Working Pressure	1379kPa

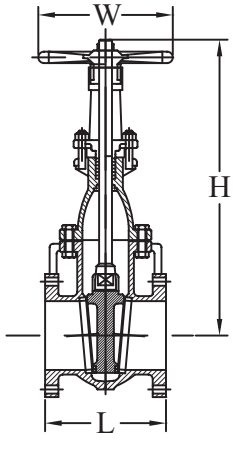
Applications - Water, Sewage and neutral liquid applications

Cast Iron Solid Wedge Disc Gate Valve - Rising Stem (Table E)

Cast Iron Flanged Solid Wedge Disc Gate Valve - Rising Stem (Table E)							
AAP CODE	**IMPERIAL SIZE**	**L**	**H**	**W**	**HOLE DIAMETER**	**NO. HOLES**	**APPROX. KG/PC**
VCIGRS50E	2	178	320	200	18	4	20
VCIGRS65E	2 1/2	191	345	200	18	4	26
VCIGRS80E	3	203	387	200	18	4	32
VCIGRS94E	4	229	490	254	18	8	50
VCIGRS95E	5	254	576	300	18	8	70
VCIGRS96E	6	267	680	300	22	8	89
VCIGRS98E	8	292	808	345	22	8	141
VCIGRSX25E	10	330	1010	406	22	12	218
VCIGRSX30E	12	356	1080	450	26	12	315

Cast Iron Solid Wedge Disc Gate Valve - Rising Stem (Table D)

Cast Iron Solid Wedge Disc Gate Valve - Rising Stem (Table D)							
AAP CODE	**IMPERIAL SIZE**	**L**	**H**	**W**	**HOLES DIAMETER**	**NO. HOLES**	**APPROX. KG/PC**
VCIGRS94D	4	229	562	254	18	4	50

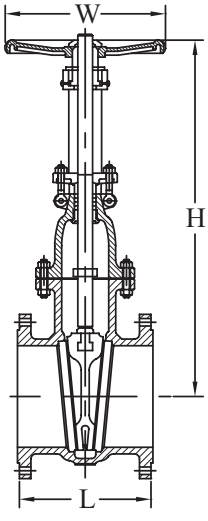


Cast Steel Flanged Gate Valves ANSI 150 & 300

Materials	
PART	MATERIAL
Body	ASTM A216 WCB
Seat Ring	ASTM + H/F Stellite
Wedge	ASTM A216 WCB+13Cr
Stem	ASTM A276 T410
Bonnet Gasket	13Cr+Graphite
Bonnet	ASTM A216 WCB
Back Seat Bushing	ASTM A276 T410
Packing	Graphite
Packing Gland	ASTM A276 T410
Gland Follower	ASTM A216 WCB
Oil Cup	Brass
Stem Nut Bushing	Carbon Steel
Hand wheel	ASTM A536

Specifications		
Flange Dimensions		ANSI B16.5
MAX Working Temperature	Class 150	300°C
	Class 300	440°C
Cold Working Pressure	Class 150	1960kPa
	Class 300	5100kPa

Applications - Petrochemical, Refinery, Chemical, Pharmaceutical Power



ANSI 150

Cast Steel Flanged Gate Valve ANSI 150							
AAP CODE	IMPERIAL SIZE	L	H	W	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
VGA15050	2	177.8	342	200	4	20	23
VGA15065	2 1/2	190.5	415	200	4	20	30
VGA15080	3	203.2	465	250	4	20	36
VGA15094	4	228.6	509	250	8	20	53
VGA15095	5	254	676	300	8	22	71
VGA15096	6	266.7	641	300	8	22	85
VGA15098	8	292.1	784	360	8	22	136
VGA150X25	10	330.2	922	400	12	26	220
VGA150X30	12	355.6	1096	450	12	26	323

ANSI 300

Cast Steel Flanged Gate Valve ANSI 300 (Reducing Bore)							
AAP CODE	IMPERIAL SIZE	L	H	W	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
VGA30050	2	215.9	356	250	8	20	30
VGA30065	2 1/2	241.3	395	250	8	22	39
VGA30080	3	282.3	440	300	8	22	55
VGA30094	4	304.8	500	350	8	22	83
VGA30096	6	403.4	630	400	12	22	137
VGA30098	8	419.1	850	500	12	26	240

Notes