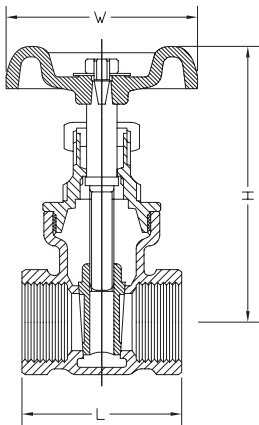




Section 14

Gate Valves

A-Gate Brass Gate Valve



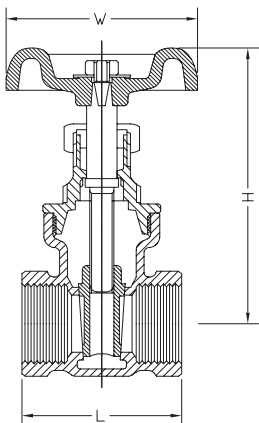
MATERIALS	
PART	MATERIAL
Body	Brass
Bonnet	Brass
Wedge	Brass
Stem	Brass
Hand Wheel	Ductile Iron
Threading	ISO 228

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	16 bar

General Purpose Brass Gate Valve					
CODE	SIZE	L	H	W	APPROX KG
AGVFF/015	15	43	85	50	0.24
AGVFF/020	20	48	100	50	0.36
AGVFF/025	25	57	120	58	0.53
AGVFF/032	32	63	145	77	0.78
AGVFF/040	40	65	155	77	1.05
AGVFF/050	50	78	190	97	1.63
AGVFF/065	65	85	220	97	2.28
AGVFF/080	80	96	260	108	3.97
AGVFF/100	100	105	300	126	5.39

Applications – Water, Oil, Irrigation

Peakflo Bronze Gate Valve



MATERIALS	
PART	MATERIAL
Body	Bronze
Bonnet	Bronze
Wedge	Bronze
Stem	Bronze
Hand Wheel	Ductile Iron

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	170°C
Cold Working Pressure	20 Bar

Bronze Gate Valve 152A					
CODE	SIZE	L	H	W	APPROX KG
PGV/015	15	42	74	52	0.2
PGV/020	20	47	87	60	0.4
PGV/025	25	53	95	60	0.5
PGV/032	32	62	116	70	0.8
PGV/040	40	64	125	78	1
PGV/050	50	76	150	92	1.65

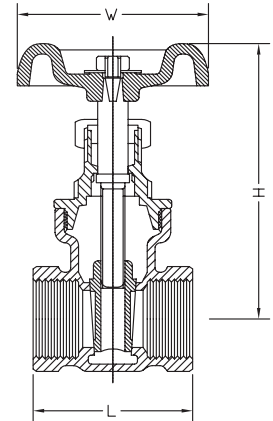
VM Stainless Steel Gate Valve

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

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	14 bar



Stainless Steel Gate Valve TC311					
CODE	SIZE	L	H	W	APPROX KG
HSGAVSS/015	15	55	118	70	0.44
HSGAVSS/020	20	60	127	70	0.63
HSGAVSS/025	25	65	133	80	0.82
HSGAVSS/032	32	75	157	80	1.1
HSGAVSS/040	40	85	179	90	1.6
HSGAVSS/050	50	95	208	100	2.27



Vogt Forged Steel Class 800 Gate Valves Socket Weld or Screwed NPT Ends

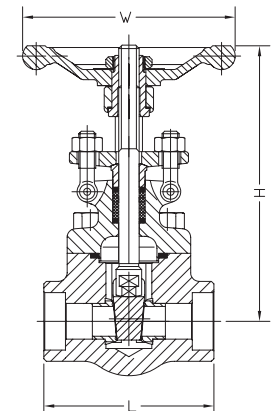
MATERIALS	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	Cr13
Seat	H/F Stellite

SPECIFICATIONS	
Design	ANSI B16.34
Thread (NPT)	ASME B1.20.1
Socket weld End	ASME B16.11
MAX Working Temperature	537°C
Cold Working Pressure	136 Bar

Applications – Steam, Oil and Petro
Chemical Industry



Forged Steel Gate Valve Class 800 API 602 Fig 12111						
CODE SW ENDS	CODE NPT ENDS	SIZE	L	H	W	APPROX KG
VVGASW/015	VVGANPT/015	15	86	162	102	2.3
VVGASW/020	VVGANPT/020	20	86	162	102	2.3
VVGASW/025	VVGANPT/025	25	102	211	121	3.8
VVGASW/032	VVGANPT/032	32	121	257	146	7.5
VVGASW/040	VVGANPT/040	40	121	257	146	7.5
VVGASW/050	VVGANPT/050	50	133	282	178	9.9



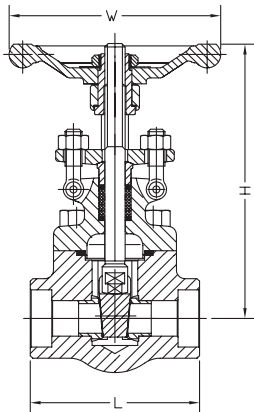
DK Forged Steel Class 800 Gate Valves API 8 Half Stellite Trim Socket Weld or Screwed NPT Ends



MATERIALS	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	Cr13 or Stellite
Seat	H/F Stellite

SPECIFICATIONS	
Design	ANSI B16.34
Thread (NPT)	ASME B1.20.1
Socket weld End	ASME B16.11
MAX Working Temperature	537°C
Cold Working Pressure	136 Bar

Applications – Steam, Oil and Petro
Chemical Industry

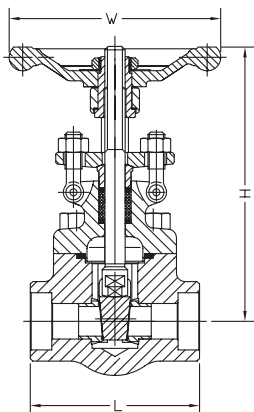


Forged Steel Gate Valve Class 800 API 602 Fig W1GHA Half Stellite						
CODE SW ENDS	CODE NPT ENDS	SIZE	L	H	W	APPROX KG
DKVGASW/015	DKVGANPT/015	15	73	139	75	1.4
DKVGASW/020	DKVGANPT/020	20	87	151	95	1.9
DKVGASW/025	DKVGANPT/025	25	96	181	95	2.7
DKVGASW/032	DKVGANPT/032	32	123	213	135	4.8
DKVGASW/040	DKVGANPT/040	40	142	226	135	5.4
DKVGASW/050	DKVGANPT/050	50	163	260	160	8.9

DK Forged Steel Class 800 Gate Valve API 5 Full Stellite Trim Socket Weld or Screwed NPT Ends



Forged Steel Gate Valve Class 800 API 602 Fig W1GHA Full Stellite						
CODE SW ENDS	CODE NPT ENDS	SIZE	L	H	W	APPROX KG
DKVGASWFS/015	DKVGANPTFS/015	15	73	139	75	1.4
DKVGASWFS/020	DKVGANPTFS/020	20	87	151	95	1.9
DKVGASWFS/025	DKVGANPTFS/025	25	96	181	95	2.7
DKVGASWFS/032	DKVGANPTFS/032	32	123	213	135	4.8
DKVGASWFS/040	DKVGANPTFS/040	40	142	226	135	5.4
DKVGASWFS/050	DKVGANPTFS/050	50	163	260	160	8.9



Maxiflo Resilient Seat Gate Valve Clockwise Closing Flanged Ends

AAP Standards Mark Licence – SMKP20171. This licence covers DN50-DN300 valves. DN350-DN600 – Approval Pending.
 Certified to AS4020 – suitable for contact with drinking water

MATERIALS	
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

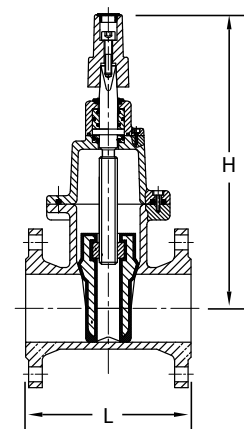
SPECIFICATIONS	
Design	AS2638.2*
Flange Drilling T/C	AS4087
Coating Thickness	AS4158
MAX Working Temperature	40°C
Cold Working Pressure	1600KPa

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



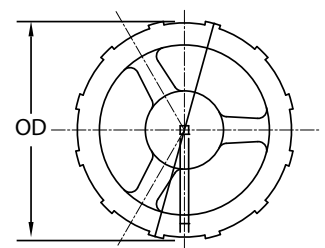
Applications – Water, sewage and neutral liquid applications

Resilient Seat Gate Valve Clockwise Closing AS4087 Flanged Fig B5 (bolting same as AS2129 Table D)							
CODE		SIZE	L	H	BOLT HOLE DIAMETER	NUMBER HOLES	APPROX KG
HAND WHEEL	GEAR-OPERATED						
SVFH/050		50	175	308	18	4	11.5
SVFH/065		65	190	318	18	4	13.5
SVFH/080		80	203	358	18	4	15
SVFH/100		100	229	386	18	4	26
SVFH/150		150	267	406	18	8	48
SVFH/200		200	292	634	18	8	77
SVFH/225		225	305	724	18	8	110
SVFH/250		250	330	724	22	8	112.5
SVFH/300		300	356	834	22	12	163
SVFH/350	SVFG/350	350	381	960	26	12	258
SVFH/375	SVFG/375	375	381	1093	26	12	298
SVFH/400	SVFG/400	400	406	1103	26	12	330
SVFH/450	SVFG/450	450	432	1173	26	12	408
SVFH/500	SVFG/500	500	457	1279	26	16	534
SVFH/600	SVFG/600	600	508	1440	30	16	660

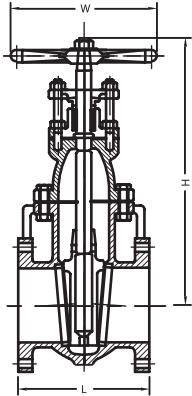


Handwheel to Suit Resilient Seat Gate Valves above

Handle to Suit Resilient Seat Gate Valve			
CODE	SIZE	OD	APPROX KG
SVFHW/050	50	200	1.2
SVFHW/065-080	65 & 80	200	1.2
SVFHW/100	100	250	2
SVFHW/150	150	350	3.8
SVFHW/200	200	350	4
SVFHW/250-300	250 & 300	500	8



Cast Iron Wedge Gate Valve OS&Y Rising Stem Flanged 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 T/E
MAX Temperature	150°C
Cold Working Pressure	13.8 Bar
Design	BS5150
Test	ISO 5208

HIWA Cast Iron Solid Wedge Gate Valve Table E Type Z41032					
CODE	SIZE	L	H	W	APPROX KG
MVCIGRS/100	100	229	535	200	35
MVCIGRS/150	150	267	739	280	63
MVCIGRS/200	200	292	936	300	92
MVCIGRS/250	250	330	1133	360	149
MVCIGRS/300	300	356	1330	400	198

DK Forged Steel OS&Y Gate Valves Class 150 Half Stellite Trim Ends Flanged ANSI 150



MATERIALS	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	Cr13 or Stellite
Seat	H/F Stellite

SPECIFICATIONS	
Design	ANSI B16.34
Cold Working Pressure	19.6 bar
MAX Working Temperature	537°C

Forged Steel Gate Valve Class 150 Fig W1RF2AA2HF Half Stellite					
CODE	SIZE	FACE TO FACE	H	HANDWHELL	APPROX KG
DKVGA150CS/015	15	108	139	75	3.1
DKVGA150CS/020	20	117	151	95	3.9
DKVGA150CS/025	25	127	181	95	5.5
DKVGA150CS/040	32	140	226	135	10.6

DK Forged Steel OS&Y Gate Valves Class 300 Half Stellite Trim Ends Flanged ANSI 300



MATERIALS	
PART	MATERIAL
Body	ASTM A105
Bonnet	ASTM A105
Wedge	ASTM A105
Gasket	Graphite
Disc	Cr13 or Stellite
Seat	H/F Stellite

SPECIFICATIONS	
Design	ANSI B16.34
Cold Working Pressure	52.1 bar
MAX Working Temperature	537°C

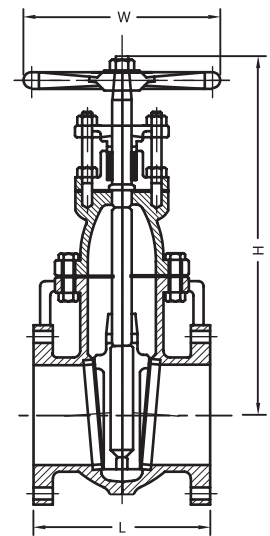
Forged Steel Gate Valve Class 300 Fig W1RF2BA2HF Half Stellite					
CODE	SIZE	FACE TO FACE	H	HANDWHELL	APPROX KG
DKVGA300CS/015	15	140	139	75	3.3
DKVGA300CS/020	20	152	151	95	4.9
DKVGA300CS/025	25	165	181	95	6.7

SUFA Cast Steel Class 150/300 Gate Valves API 8 Half Stellite Trim

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
Packing	Graphite
Packing Gland	A182F6
Gland Follower	ASTM A216 WCB
Stem Nut Bushing	Carbon Steel
Hand wheel	Ductile iron

SPECIFICATIONS		
Flange Dimensions		ANSI B16.5
MAX Working Temperature	Class 150	371°C
	Class 300	371°C
Cold Working Pressure	Class 150	19.6 Bar
	Class 300	51 Bar

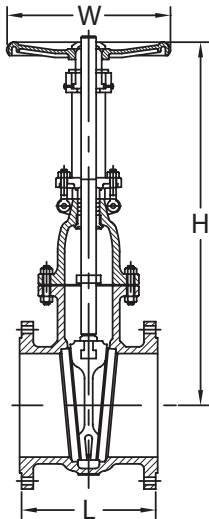
NB. Max Temperature depends on gasket material



SUFA Cast Steel Gate Valve Class 150					
CODE	SIZE	L	H	W	APPROX KG
SUVGA150CS/050	50	177.8	409	200	20
SUVGA150CS/065	65	190.5	472	200	30
SUVGA150CS/080	80	203.2	532	250	36
SUVGA150CS/100	100	228.6	612	250	53
SUVGA150CS/125	125	254	710	300	71
SUVGA150CS/150	150	266.7	806	300	85
SUVGA150CS/200	200	292.1	990	360	136
SUVGA150CS/250	250	330.2	1186	450	220
SUVGA150CS/300	300	355.6	1405	500	323

SUFA Steel Gate Valve Class 300					
CODE	SIZE	L	H	W	APPROX KG
SUVGA300CS/050	50	215.9	400	200	30
SUVGA300CS/065	65	241.3	477	250	39
SUVGA300CS/080	80	282.3	543	250	55
SUVGA300CS/100	100	304.8	650	300	83
SUVGA300CS/150	150	403.4	880	350	137
SUVGA300CS/200	200	419.1	1037	450	240

SUFA Cast Steel Class 150/300 Gate Valve API 5 Full Stellite Trim



MATERIALS	
PART	MATERIAL
Body	ASTM A216 WCB
Seat Ring	ASTM + H/F Stellite
Wedge	ASTM + H/F Stellite
Stem	17-4 PH
Bonnet Gasket	13Cr+Graphite
Bonnet	ASTM A216 WCB
Packing	Klinger K54F
Packing Gland	A182F6
Gland Follower	ASTM A216 WCB
Stem Nut Bushing	Carbon Steel
Hand wheel	Ductile iron

SPECIFICATIONS		
Flange Dimensions		ANSI B16.5
MAX Working Temperature	Class 150	371°C
	Class 300	371°C
Cold Working Pressure	Class 150	19.6 Bar
	Class 300	51 Bar

NB. Max Temperature depends on gasket material

Cast Steel Gate Valve Class 150 API 5 Full Stellite Trim & Klinger K54F Packing for Geothermal Service					
CODE	SIZE	L	H	W	APPROX KG
SUVGA150CS/5/K54F/050	50	177.8	400	200	20
SUVGA150CS/5/K54F/065	65	190.5	477	250	30
SUVGA150CS/5/K54F/080	80	203.2	543	250	36
SUVGA150CS/5/K54F/100	100	228.6	650	300	53
SUVGA150CS/5/K54F/150	150	266.7	770	350	85
SUVGA150CS/5/K54F/200	200	292.1	880	450	136
SUVGA150CS/5/K54F/250	250	330.2	1275	500	220
SUVGA150CS/5/K54F/300	300	355.6	1438	560	323

Cast Steel Gate Valve Class 300 API 5 Full Stellite Trim & Klinger K54F Packing for Geothermal Service					
CODE	SIZE	L	H	W	APPROX KG
SUVGA300CS/5/K54F/050	50	215.9	400	200	30
SUVGA300CS/5/K54F/065	65	241.3	477	250	39
SUVGA300CS/5/K54F/080	80	282.3	543	250	55
SUVGA300CS/5/K54F/100	100	304.8	650	300	83
SUVGA300CS/5/K54F/150	150	403.4	770	350	137
SUVGA300CS/5/K54F/200	200	419.1	880	450	240
SUVGA300CS/5/K54F/250	250	457	1275	500	333
SUVGA300CS/5/K54F/300	300	502	1438	560	536

CMO Stainless Steel Knife Gate Valve Flanged ANSI 150 & Table E

MATERIALS	
PART	MATERIAL
Body	CF8M
Gland Packing	Synthetic+PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	Steel
Hand Wheel	Ductile Iron
Stem	304 Stainless Steel
Clevis	CF8
Seat	EPDM

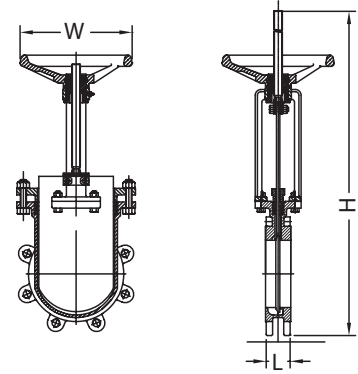
SPECIFICATIONS	
Flange	ANSI 150 & AS2129 T/E
MAX Working Temperature	90°C
Cold Working Pressure	5 to 10 Bar depending on size



Stainless Steel Knife Gate Valve – EPDM Seat (Unidirectional)

CODE ANSI FLANGE	CODE T/E FLANGE	SIZE	L	H	W	FLANGE TAPPINGS	APPROX KG
CMVA5V211/080	CMVA7V211/080	80	50	470	225	M16	9
CMVA5V211/100	CMVA7V211/100	100	50	510	225	M16	11
	CMVA7V211/125	125	50	605	225	M16	13
CMVA5V211/150	CMVA7V211/150	150	60	630	225	M20	16
CMVA5V211/200	CMVA7V211/200	200	60	800	325	M20	27
CMVA5V211/250	CMVA7V211/250	250	70	990	325	M20	40
CMVA5V211/300	CMVA7V211/300	300	70	1090	380	M20	53

Applications – Tailing, Slurries, Mining, Effluents, Food Processing, Abattoir Waste, Pulp Stock, Sugar Engineering, Water Treatment

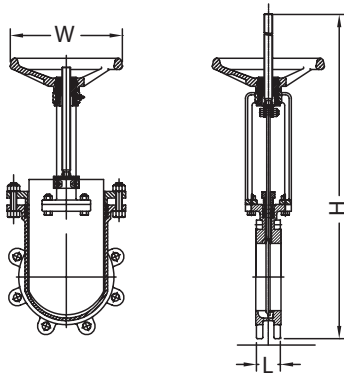


Pneumatic Actuator for CMO Knife Gate Valves

CODE	SIZE	LENGTH	WIDTH	DEPTH	APPROX KG
CMA/080	80	196	110	110	2.25
CMA/100	100	216	110	110	3
CMA/150	150	268	135	135	5
CMA/200	200	326	170	170	9
CMA/250	250	393	215	215	15
CMA/300	300	443	215	215	16



Fabri Stainless Steel Knife Gate Valve – Bi-Directional Type



MATERIALS	
PART	MATERIAL
Body	CF8M
Gland Packing	Acrylic+PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	CF8
Hand Wheel	Cast Iron
Stem	304 Stainless Steel
Clevis	CF8
Seat	White EPDM

SPECIFICATIONS	
MAX Working Temperature	138°C
Cold Working Pressure	10.3 bar

Stainless Steel Knife Gate Valve – EPDM Seat Bidirectional Type C67S						
CODE	SIZE	L	H	W	FLANGE TAPPINGS UNC	APPROX KG
FAVC67S316/080	80	51	448	254	5/8	10
FAVC67S316/100	100	51	503	254	5/8	14
FAVC67S316/150	150	57	695	406	3/4	34
FAVC67S316/200	200	70	868	406	3/4	45
FAVC67S316/250	250	70	1006	406	7/8	63
FAVC67S316/300	300	76	1175	508	7/8	87

Stafsjo Stainless Steel Throughgoing Knife Gate Valve Flanged ANSI 150



MATERIALS	
PART	MATERIAL
Body	SS 1.4408
Gland Packing	PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	SS2333-02
Hand Wheel	Ductile Iron
Stem	Stainless Steel 2320-02
Seat	PTFE with Viton o-ring

SPECIFICATIONS	
Flange	ANSI 150
MAX Working Temperature	180°C with Viton Seat
Cold Working Pressure	6 to 10 Bar depending on size

Stainless Steel Knife Gate Valve – PTFE Seat Bi-Directional Type HG							
CODE	SIZE	FACE TO FACE	CENTRE TO TOP	CENTRE TO BOTTOM	BODY WIDTH	FLANGE TAPPINGS	APPROX KG
STAFVHG/080	80	51	488	285	180	5/8 UNC	17
STAFVHG/100	100	51	533	385	210	5/8 UNC	22
STAFVHG/125	125	56	665	424	240	3/4 UNC	29
STAFVHG/150	150	60	735	455	260	3/4 UNC	34
STAFVHG/200	200	60	886	600	330	3/4 UNC	75
STAFVHG/250	250	69	1021	725	390	7/8 UNC	100
STAFVHG/300	300	78	1257	865	455	7/8 UNC	170