

OKI



CAST IRON & STAINLESS
STEEL VALVES

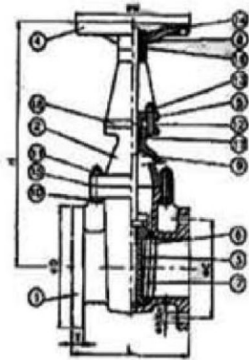


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O.S.&Y. GATE VALVE FLANGED CONNECTION



Rising Stem, Bolted Bonnet,
Solid Wedge Disc, Flange to B16.10

18	YOKE	CAST IRON	A126-B
17	GLAND PACKING	*ASBESTOS	
16	YOKE NUT	CAST IRON	A126-B
15	GASKET	RUBBER	SYNTHETIC RUBBER
14	HANDWHEEL NUT	STEEL	CARBON STEEL
13	GLAND BOLT NUT	STEEL	CARBON STEEL
12	GLAND BOLT	STEEL	CARBON STEEL
11	BONNET BOLT NUT	STEEL	CARBON STEEL
10	BONNET BOLT	STEEL	CARBON STEEL
9	STEM	STAINLESS STEEL	S.S.410
8	STEM NUT	CAST BRONZE	B62
7	DISC SEAT RING	CAST BRONZE	B62
6	BODY SEAT RING	CAST BRONZE	B62
5	GLAND	CAST IRON	A126-B
4	HANDWHEEL	CAST IRON	A126-B
3	DISC	CAST IRON	A126-B
2	BONNET	CAST IRON	A126-B
1	BODY	CAST IRON	A126-B
NO	PART NAME	MATERIAL	ASTM

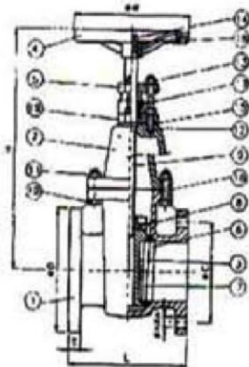
Dimension for ANSI 150LB

Unit: inches

Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
L	7	7 1/2	8	9	10	10 1/2	11 1/2	13	14
H	12 3/8	13 1/2	15 3/8	19	22 1/4	24 7/8	30 3/4	35 7/8	41 7/8
W	6 1/2	6 1/2	7 1/16	9 1/2	10 1/2	11 1/2	13 7/8	14 13/16	17 3/4

Face to Face conform to ANSI B16.10

N.R.S. GATE VALVE FLANGED CONNECTION



Non-Rising Stem, Inside Screw,
Bolted Bonnet, Solid Wedge Disc,
Flange to B16.10

19	STUFFING BOX	CAST IRON	A126-B
18	NAME PLATE	ALUMINUM PLATE	ALUMINUM
17	GLAND PACKING	*ASBESTOS	
16	GASKET	RUBBER	SYNTHETIC RUBBER
15	GASKET	RUBBER	SYNTHETIC RUBBER
14	HANDWHEEL NUT	STEEL	
13	GLAND BOLT NUT	STEEL	
12	GLAND BOLT	STEEL	
11	BONNET BOLT NUT	STEEL	
10	BONNET BOLT	STEEL	CARBON STEEL
9	STEM	STAINLESS STEEL	S.S.410
8	STEM NUT	CAST BRONZE	B62
7	DISC SEAT RING	CAST BRONZE	B62
6	BODY SEAT RING	CAST BRONZE	B62
5	GLAND	CAST IRON	A126-B
4	HANDWHEEL	CAST IRON	A126-B
3	DISC	CAST IRON	A126-B
2	BONNET	CAST IRON	A126-B
1	BODY	CAST IRON	A126-B
NO	PART NAME	MATERIAL	ASTM

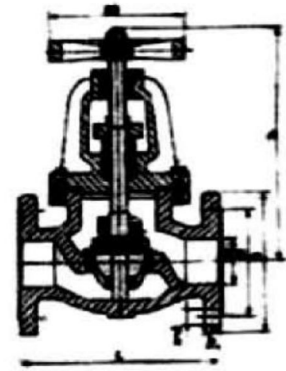
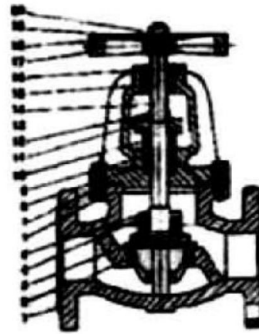
Dimension for ANSI 150LB

Unit: inches

Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
L	7	7 1/2	8	9	10	10 1/2	11 1/2	13	14
H	9 7/8	10 3/4	12	14 3/8	17	19	23	27 7/8	31 7/8
W	6 1/2	6 1/2	7 1/16	9 1/2	10 1/2	11 1/2	13 7/8	14 13/16	17 3/4

Face to Face conform to ANSI B16.10

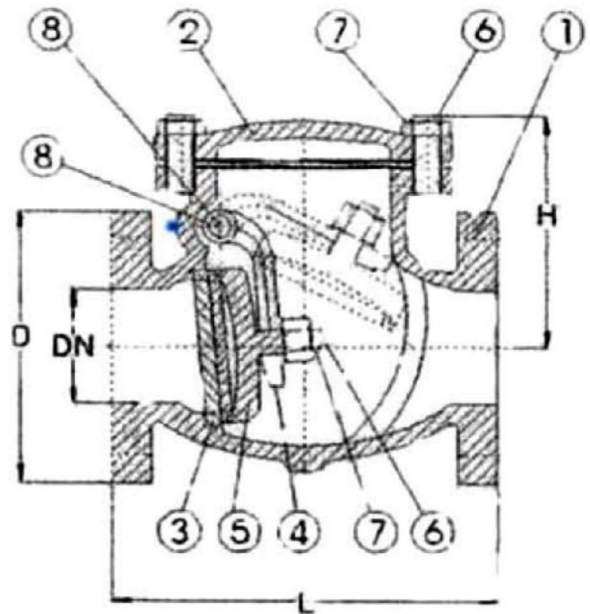
- Flanges drilled to ANSI B16.1 (125lb)
- Face to face dimensions conform to BS5152 Series 2
- Working pressure: 125S, 200WOG
- Suitable media, water, oil, gas



Materials list of casting iron globe valve

NO.	PART	MATERIAL	AMERICAN STANDARD
1	Body	Cast Iron	ASTM A126 Class B
2	Seat Ring	Cast Bronze	ASTM B62
3	Disc	Cast Bronze	ASTM B62
4	Gasket	Brass	ASTM B16
5	Swivel Nut	Cast Brass	ASTM B584
6	Bolts	Steel	ASTM A307-B
7	Body Gasket	Graphite	Non Asbestos
8	Bonnet	Cast Iron	ASTM A126 Class B
9	Packing	Graphite	Non Asbestos
10	Packing Gland	Cast Brass	ASTM B584
11	Gland Follower	Ductile Iron	ASTM A536 65-45-12
12	Gland Bolts	Steel [®]	ASTM A307-B
13	Nuts	Steel	ASTM A307-B
14	Stem	Brass	ASTM B16
15	Yoke Bushing	Cast Brass	ASTM B62
16	Screws	Steel	ASTM B584
17	Hand Wheel	Cast Iron	ASTM A126 Class B
18	Identification Plate	Aluminum	Commercial
19	Washer	Steel	ASTM A307-B
20	Nut	Steel	ASTM A307-B

ANSI-125 / 150 CAST IRON SWING CHECK VALVE



Application

1	Face to face according to ANSI B 16.10	
2	Flange drilled is according to ANSI B 16.1	
TEST		
Working pressure	125PSI	150PSI
Test pressure Shell	21.1Kgf/cm	
Seat	15.4Kgf/cm	

Components

No.	Parts	Material
1	Body	Cast Iron
2	Bonnet	Cast Iron
3	Searing	Cast Bronze
4	Arm	Cast Iron
5	Disc	Cast Iron
6	Bolt	Carbon Steel
7	Nut	Carbon Steel
8	Pin	Stainless Steel
8	Drain Plug	Stainless Steel

Dimensions

DN	40	50	65	80	100	125	150	200	250	300	400
	1.5	2	2.5	3	4	5	6	8	10	12	16
L	165	203	216	241	292	330	356	495	622	698	914
H	101	102	114	139	152	170	203	246	292	330	405
D	127	152	178	191	229	254	279	343	406	483	597

OKI VALVES

Wafer Check Valves

Valve is used for preventing the back-going of medium in pipelines and equipments, and the pressure of medium will lead to opening and closing automatically. When the medium is back-going, valve disc will automatically close to avoid accidents.

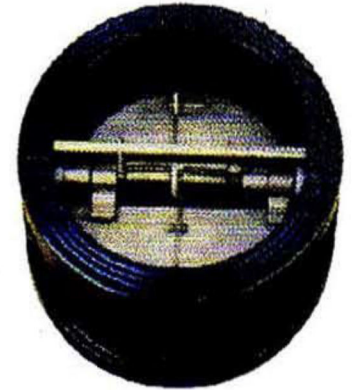


Fig.CV2000

Features

1. This valve is tightly sealed, without leakage under the hydraulic test.
2. Safe and reliable in operation, high interference-resistance.

Technical Data

DN Nominal Diameter		50(2")~1000(40")	50(2")~800(32")	mm(inch)
PN Nominal Pressure		1.0	1.6	MPa
Testing Pressure	Shell	1.5	2.4	
	Sealing	1.1	1.76	
°C Working Temperature		-15~+150		
Suitable Media		Fresh Water, Sewage, Sea Water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis, Salts, etc.		



Fig.CV2000

BUTTERFLY VALVE - LEVER OPERATED

FACE TO FACE

OKI valves are designed to meet ISO 5752 table 5 short.

MOUNTING FLANGE

OKI valves are designed to comply with ISO 5211, so they can be easily fitted with an actuator

FLANGE REQUIREMENTS

Either flat face or raised face, OKI valves are designed to suit:

ANSI 125/150
BS 10 Table E
DIN PN10

PRESSURE RATING

Bi-directional bubble-tight shut off to 10 Bar and tested to 110% of full rating.

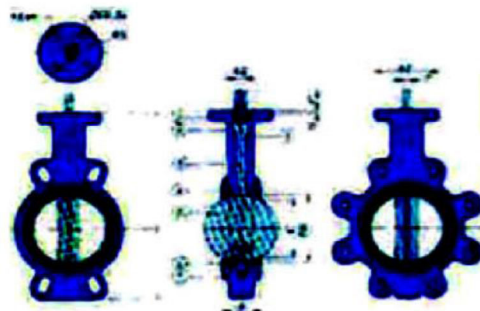
Working Pressure: 10 Bar (150 psi)
Test Pressure: 11 Bar (170 psi)

SHELL TESTING

The body strength can stand 200% of full rating (20 Bar)



8	UPPER BRUSH	DELIN				
7	O-RING	NBR(NITRILE)				
6	BOTTOM BUSH	BRONZE OR SS	B62 OR SS			
5	RETAINING PIN	STAINLESS STEEL	A182F304			
4	SEAT	VITON		-18° ~ 204 °C (-0.4° ~ 400 °F)		
		HYPALON(CSM)		-20° ~ 135 °C (-0.4° ~ 275 °F)		
		SILICON		-20° ~ 204 °C (-0.4° ~ 400 °F)		
		NEOPRENE(CR)		0° ~ 80° C (32° ~ 176 °F)		
		EPDM		-20° ~ 120 °C (-4° ~ 248 °F)		
		NBR(NITRILE)		-10° ~ 80 °C (14° ~ 176 °F)		
3	STEM	STAINLESS STEEL	A182F316 A182F304 A182F410			
		2	DISC	BRONZE	B62	
				STAINLESS STEEL	A351 CF8M A351 CFB	
1	BODY	DUCTILE IRON	A-536-65-45-12			
		CAST IRON	A-536-65-45-12 A126-B			
			ASTM SPECIFICATION	REMARK		
NO	NAME	MATERIALS				



Valve Size		Dimensions (m/m)										Weight (kg)		Operating Torque (Nm)	
Inch	m/m	A	B	C	D	E	T	U	V	Y	W	Wafer Type	Lug Type	ΔP(bar)	
2"	50	43	57	38	82	175	200	171	45	125	150	3.7	4.2	20	25
2 1/2"	65	46	70	53	92	186	200	182	45	125	150	4.5	5.0	25	30
3"	80	46	82	68	98	193	200	189	45	125	150	4.7	5.7	30	A
4"	100	52	104	90	113	213	260	209	45	125	150	6.5	8.8	40	50
5"	125	56	127	114	127	228	260	224	45	125	150	8.5	10.5	60	70
6"	150	56	150	139	141	242	260	238	45	125	150	9.4	11.6	70	90
8"	200	60	194	185	172	278	355	273	71	230	250	16.3	20.3	160	190
10"	250	68	247	238	210	323	355	318	71	230	250	24.0	29.3	240	300
12"	300	78	297	287	242	346	355	341	71	230	250	35.3	46.3	400	500

BUTTERFLY VALVE - GEAR OPERATED

FLANGE REQUIREMENTS

Either flat face or raised face, OKI valves are designed to suit:

- ANSI 125/150
- BS 10 Table E
- DIN PN10

PRESSURE RATING

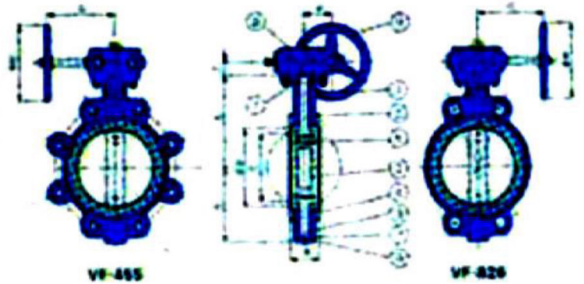
Bi-directional bubble-tight shut off to 10 Bar and tested to 110% of full rating.

Working Pressure: 10 Bar (150 psi)

Test Pressure: 11 Bar (170 psi)

SHELL TESTING

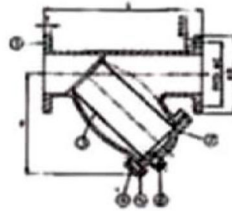
The body hydraulic test can stand 200% of full rating (20 Bar).



9	HANDWHEEL	CAST IRON	A126-B	
8	GEAR BOX	CAST IRON	A126-B	
7	O-RING	NBR(NITRILE)		
6	BOTTOM COVER	CAST IRON	A126-B	
5	TAPER PIN	STAINLESS STEEL	A182F316	
4	SEAT	VITON		-18° ~ 204 °C (-0.4° ~ 176 °F)
		HYPALON(CSM)		-20° ~ 135 °C (-0.4° ~ 275 °F)
		SILICON		-20° ~ 204 °C (-0.4° ~ 400 °F)
		NEOPRENE(CR)		0° ~ 80 °C (32° ~ 176 °F)
		EPDM		-20° ~ 120 °C (-4° ~ 248 °F)
3	STEM	STAINLESS STEEL	A182F316	
			A182F304	
			A182F410	
		BRONZE	B62	
2	DISC	STAINLESS STEEL	A351 CF8M	
			A351 CF8	
		DUCTILE IRON	A-536-65-45-12	
1	BODY	DUCTILE IRON	A-536-65-45-12	
		CAST IRON	A126-B	
NO	NAME	MATERIALS	ASTM SPECIFICATION	REMARK

Valve Size		Dimensions (m/m)									Operation Torque (Nm)	Mounting Flange ISO 5211	Weight (kgs)
Inch	m/m	A	φB	C	D	E	F	K	G	φH			
14"	350	78	332	325	272	325	40	95	290	350	830	F14	63
16"	400	86	387	378	295	355	40	95	290	350	1110	F14	75
18"	450	105	436	425	330	395	40	95	290	350	1390	F14	95
20"	500	130	488	472	360	400	70	114	360	350	1730	F16	140
24"	600	150	564	564	430	490	70	114	360	350	2020	F16	220

Y-STRAINER, FLANGED CONNECTION



Flange Dimension
ANSI B16.10 150LB

Unit: inches

6	DRAIN PLUG	BRONZE	B62
5	COVER BOLT	STEEL	CARBON
4	GASKET	RUBBER	SYNTHETIC RUBBER
3	SCREEN	STAINLESS STEEL	SS304
2	COVER	CAST IRON	A126 B
1	BODY	CAST IRON	A126-B
NO	PART NAME	MATERIAL	ASTM

Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
D	6	7	7 1/2	9	10	11	13 1/2	16	19
C	4 3/4	5 1/2	6	7 1/2	8 1/2	9 1/2	11 3/4	14 1/4	17
T	5/8	1 1/16	3/4	15/16	1	1	1 1/8	1 3/16	1 1/4
h	3/4	3/4	3/4	3/4	7/8	7/8	7/8	1	1
n	4	4	4	8	8	8	8	12	12

Size	50	65	80	100	125	150	200	250	300
L	242	267	306	378	441	535	573	664	772
H	157	194	210	256	318	364	441	530	598

STAINLESS STEEL BALL VALVE (1-piece) SCREWED END

APPLICATIONS

FOR GENERAL CHEMICAL AND INDUSTRIAL SERVICES

PRESSURE RATING:
800 PSI WOG (NON-SHOCK)

STEAM RATING:
150 PSI WSP

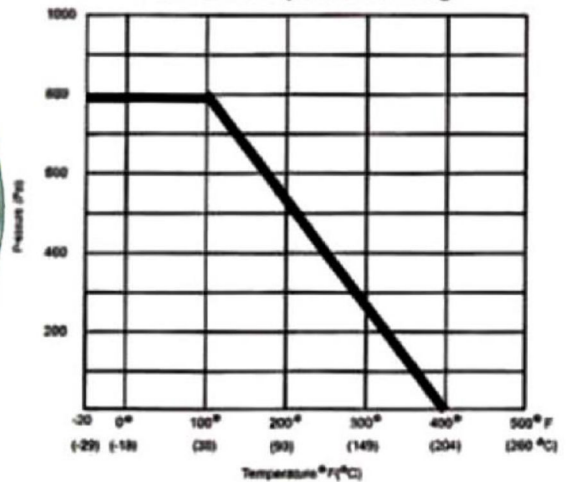
TEMPERATURE RANGE:
-29 °C - +200 °C

SPECIFICATIONS

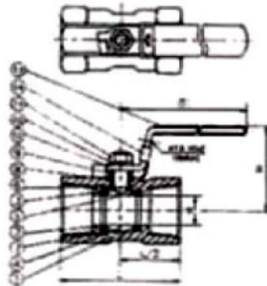
INVESTMENT CAST BODY & END CAP
END TYPE: THREADED BSP OR NPT
BOTTOM-LOADED, BLOW-OUT-PROOF STEM
ADJUSTABLE STEM PACKING
STAINLESS STEEL HANDLE WITH VINYL GRIP
OPTION: LOCKING DEVICE



Pressure Temperature Ratings



14	*LOCKING PLATE	S.S.304
13	HANDLE SLEEVE	VINYL GRIP
12	HANDLE NUT	S.S.304
11	WASHER	S.S.304
10	HANDLE	S.S.304
9	GLAND	S.S.304
8	PACKINGS	PTFE
7	THRUST WASHER	PTFE
6	CAP SEAT	PTFE
5	STEM	S.S.316
4	BALL SEAT	PTFE
3	BALL	ASTM A351 GR.CF8M
2	CAP	S.S.316
1	BODY	ASTM A351 GR.CF8M
NO	PART NAME	SPECIFICATION



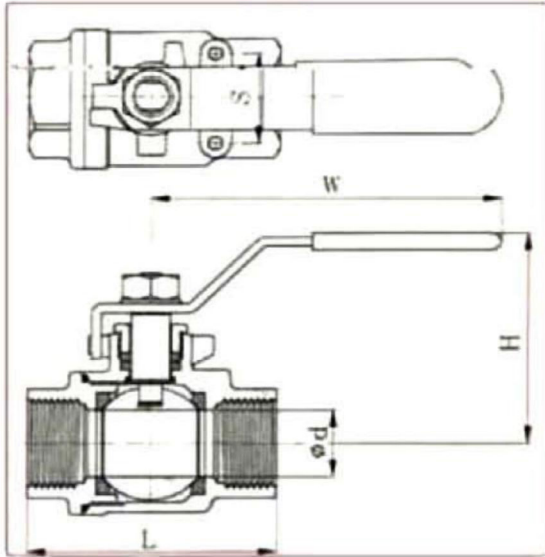
DIMENSIONS (mm)

Size	d	L	H	D1	Cv Factor
1/4	5.0	39.0	36	63	1.0
3/8	7.0	44.5	37	74	2.5
1/2	9.2	56.5	44	91	5.5
3/4	12.5	58.5	47	91	10.0
1"	15.0	71.5	51	106	15.5
1 1/4"	20.0	78.5	54	106	20.0
1 1/2"	25.0	83.5	67	129	37.0
2"	32.0	100.0	72	129	60.0

OKI SCREWED END

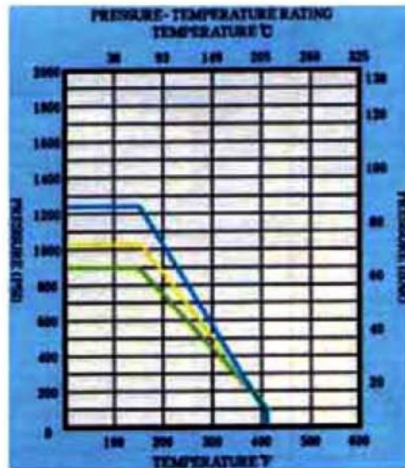
2 Piece Full Bore

BALL VALVE



Features

- * The thread ends conform to ASME B1.20.1 (NPT) DIN 2999 & BS 21 ISO 228/1 & ISO 7/1
- * Investment casting
- * Blow-out proof stem
- * Full bore
- * 1000 psi W.O.G.
- * 15% glassfiber fill PTFE reinforce seat
- * PTFE seal & packing
- * Latch lock handle (option)
- * Mounting pad (option)



PARTS NAME	MATERIAL
BODY	A351-CF8M - (SS 316)
END CAP	A351-CF8M - (SS 316)
BALL	A351-CF8M - (SS 316)
STEM	AISI 316
HANDLE	AISI 304
GLAND NUT	AISI 304
NUT & WASHER	AISI 304
BALL SEAT	R-PTFE
BODY SEAL	PTFE
STEM PACKING	PTFE
THRUST WASHER	PTFE
HANDLE SLEEVE	VINYL

*All dimension are in millimeter. (mm)

*Cv is defined as the flow in GPM that a valve will carry with a pressure drop of 1 psi when liquid is water at 60 °F

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
φ d	11.6	12.7	15	20	25	32	38	50.8	65	80	100
L	61.5	61.5	63.3	76.7	91	100	118	137.5	166	193	260
H	48	48	49	55	69	77	84	93	138	149	155
W	120	120	120	130	155	155	185	185	250	250	280
S	28.5	28.5	28.5	34.8	34.8	38.1	38.1	38.1	65	65	65
Cv	6	7	10	25	35	46	80	110	310	360	820

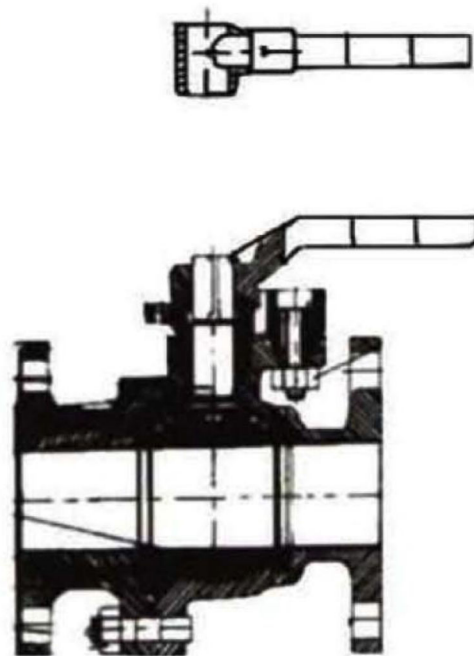
2 PIECE FULL BORE BALL VALVE

APPLICATIONS

- FACE TO FACE: ANSI B 16.10
- FLANGE DIMENSION: ANSI B 16.5
- TEST STANDARD API 598

MATERIALS LIST

NO.	PART NAME	MATERIAL	
		STAINLESS STEEL	CAST IRON
1	BODY	ASTM A351 Gr. CF8M	ASTM A126 Gr. WCB
2	NUT	ASTM A194 Gr. 8	ASTM A194 Gr. 2H
3	BOLT	ASTM A193 GR. B8	ASTM A193 Gr. B7
4	CAP	ASTM A351 Gr. CF8M	ASTM A126 Gr. WCB
5	GASKET	PTFE	PTFE
6	BALL	ASTM A351 Gr. CF8M	ASTM A351 Gr. CF8
7	SEAT	REINFORCED TFE	REINFORCED TFE
8	THRUST WASHER	PTFE	PTFE
9	STEM	ASTM A276 Gr. 316	ASTM A276 Gr. 304
10	PACKING	PTFE	PTFE
11	BEARING	PTFE	PTFE
12	GLAND	ASTM A351 Gr. CF8	ASTM A351 Gr. CF8
13	STOPPER	ASTM A276 Gr. 304	ASTM A276 Gr. 304
14	HANDLE	ASTM A536 Gr. FCD45	ASTM A536 Gr. FCD45
15	SNAP RING	ASTM A276 Gr. 304	ASTM A276 Gr. 304
16	GLAND NUT	ASTM A194 Gr. 8	ASTM A194 Gr. 2H
17	GLAND BOLT	ASTM A193 Gr. B8	ASTM A193 Gr. B7



DIMENSIONS (ANSI #150 & #300) (mm)

SIZE		A	C		F	G	H		K		T		M		N	
inch	MM		150	300			150	300	150	300	150	300	150	300	150	300
1/2"	15	12.7	107.9	139.7	35.0	1.6	60.4	66.5	88.9	95.2	11.1	14.2	15.7	15.7	4	4
3/4"	20	19.0	117.3	152.4	42.9	1.6	69.8	82.5	98.5	117.3	11.1	15.7	15.7	19.0	4	4
1"	25	25.4	127.0	165.1	50.8	1.6	79.2	88.9	107.9	123.9	11.1	17.5	15.7	19.0	4	4
1 1/2"	32	31.7	139.7	177.8	63.5	1.6	88.9	98.5	117.3	133.3	12.7	19.0	15.7	19.0	4	4
1 1/2"	40	38.1	165.1	190.5	73.1	1.6	98.5	114.3	127.0	155.4	14.2	20.5	15.7	19.0	4	4
2"	50	50.8	177.8	215.9	91.9	1.6	120.6	127.0	152.4	165.1	15.7	22.3	19.0	19.0	4	0
2 1/2"	65	63.5	190.5	241.3	104.6	1.6	139.7	149.3	177.8	190.5	17.5	25.4	19.0	22.3	4	0
3"	80	76.2	203.2	262.4	127.0	1.6	152.4	168.1	190.5	209.5	19.0	28.4	19.0	22.3	4	0
4"	100	101.6	228.6	304.8	157.2	1.6	190.5	200.1	209.5	254.0	23.8	31.7	19.0	22.3	8	8
5"	125	127.0	355.6	381.0	185.6	1.6	215.9	234.9	254.0	279.4	23.8	35.0	22.3	22.3	8	8
6"	150	152.4	393.7	403.3	215.9	1.6	241.3	269.7	279.4	317.5	25.4	36.5	22.3	22.3	8	8
8"	200	203.2	457.2	501.6	269.7	1.6	298.4	330.2	342.9	381.0	28.4	41.1	22.3	25.4	8	12
10"	250	254.0	533.4	568.4	323.8	1.6	361.9	387.3	406.4	444.5	30.2	47.7	25.4	28.4	12	16

BALL VALVE (2-WAY)

Materials CLASS 150 LBS

NO.	PART NAME	MATERIAL	
1	Body	Stainless Steel	A351 CF8
2	Bonnet	Stainless Steel	A351 CF8
3	Ball	Stainless Steel	A351 CF8
4	Stem	Stainless Steel	A276 Gr 304, 316
5	Seat Ring	Teflon	PTFE
6	Packing	Teflon	PTFE
7	Packing gland	Stainless Steel	A351 CF8
8	Gear box	Gray Iron	A126 CLB



SS304



(lever Operating)

FEATURES

- *Face to face dimensions conform to ANSI B 16. 10.
- *Wall thickness conform to ANSI B 16.34.
- *Flange dimensions conform to ANSI B 16, 05.
- *Automatic actuator can be furnished upon request

(unit mm)

Dim	Size	3/4 "	1"	1 1/2"	2"	6"
L	CLASS. 150	117	127	165	178	394
H	CLASS. 150	81	86	107	117	325
W	CLASS. 150	130	160	230	230	600