

OKI

Brochure

OKI[®]



PRODUCT LINEUP

Cast Iron Gate Valve, OS & Y & NRS FT

Cast Iron Globe Valve Flanged End

Cast Iron Check Valve Flanged End

Cast Iron Butterfly Valve, LO & GO

Cast Iron Y-Strainer, Flanged Type

SS304 (1pc) Ball Valve Screwed End

SS304 (2pc) Ball Valve Screwed End

SS304 (2pc) Ball Valve Flanged Type



CAST IRON GATE VALVE OS & Y FLANGED ENDS

Features:

- Rising Stem
- Bolted Bonnet
- Solid Wedge Disc
- Face to Face dimensions conform to B16.10

Materials item list of Casting Iron Globe Valve

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	SS 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
	PART NAME	MATERIAL	ASTM



CAST IRON GLOBE VALVE FLANGED ENDS

Features:

- Flanges drilled to ANSI B 16 (125lb)
- Face to Face dimensions conform to BS5152 Series 2
- Working Pressure 125S WOG
- Suitable Media: Water, Oil, Gas

Materials item list of Casting Iron Globe Valve

20	Nut	Steel	ASTM A307-B
19	Washer	Steel	ASTM A307-B
18	Identification Plate	Aluminum	Commercial
17	Hand Wheel	Cast Iron	ASTM A126 CLASS B
16	Screws	Steel	ASTM B584
15	Yoke Bushing	Cast Brass	ASTM B62
14	Stem	Brass	ASTM B16
13	Nuts	Steel	ASTM A307-B
12	Gland Bolts	Steel	ASTM A307-B
11	Gland Follower	Ductile Iron	ASTM A536 65-45-12
10	Packing Gland	Cast Brass	ASTM B584
9	Packing	Graphite	Non Asbestos
8	Bonnet	Cast Iron	ASTM A126 CLASS B
7	Body Gasket	Graphite	Non Asbestos
6	Bolts	Steel	ASTM A307-B
5	Swivel Nut	Cast Brass	ASTM B584
4	Gasket	Brass	ASTM B16
3	Disc	Cast Bronze	ASTM B62
2	Seat Ring	Cast Bronze	ASTM B62
1	Body	Cast Iron	ASTM A126 CLASS B
	Part Name	Material	ASTM



ANSI – 125 / 150 CAST IRON SWING CHECK VALVE

Features:

- Face to face according to ANSI B 16.10
- Flange drilled is according to ANSI B 16.1
- Suitable Media: Water, Air, Low Pressure Steam, Non-corrosive Oils, Non-corrosive Chemicals

Components

8	Drain Plug	Stainless Steel
8	Pin	Stainless Steel
7	Nut	Carbon Steel
6	Bolt	Carbon Steel
5	Disc	Cast Iron
4	Arm	Cast Iron
3	Searing	Cast Bronze
2	Bonnet	Cast Iron
1	Body	Cast Iron
	Part Name	Material

Dimensions

DN	40	50	65	80	100	125
	1.5	2	2.5	3	4	5
L	165	203	216	241	292	330
H	101	102	114	139	152	170
D	127	152	178	191	229	254

DN	150	200	250	300	400
	6	8	10	12	16
L	356	495	622	698	914
H	203	246	292	330	405
D	279	343	406	483	597

Test

Working Pressure	125 PSI	150 PSI
Test Pressure Shell	21.1 kgf/cm ²	
Seat	15.4 kgf/cm ²	



ANSI – 125 / 150 CAST IRON SWING CHECK VALVE

Features:

- This valve is tightly sealed, without leakage under the hydraulic test.
- 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	1.75	
°C Working Temperature		-15 ~+150		
Suitable Media		Fresh Water, Sewage, Sea Water, Air, Vapor, Food, Medicine, Oils, Acids, Alkalis Salts, etc.		



BUTTERFLY VALVE LEVER OPERATED

This valve controls the flow of medium in pipelines, allowing start, stop, or regulation.

Operated by a lever handle, it enables quick disc movement with minimal effort and ensures a reliable seal to prevent leakage or backflow.

Features:

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 easily be fitted with an actuator

Flange Requirements

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

- ANSI 125/510
- BS 10 Table E
- DIN PN 10

Pressure Rating

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

Shell Testing

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

BUTTERFLY VALVE LEVER OPERATED

Dimensions

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	36	62	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	60
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 LEVER OPERATED

Components

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° ~ 40 °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 CF6M	
			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



BUTTERFLY VALVE GEAR OPERATED

This valve controls the flow of medium in pipelines, allowing start, stop, or regulation.

Operated via a gear mechanism, it offers smooth disc adjustment with minimal effort and reliable sealing to prevent leakage or backflow.

Features:

Flange Requirements

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

- ANSI 125/510
- BS 10 Table E
- DIN PN 10

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)

BUTTERFLY VALVE GEAR OPERATED

Dimensions

Valve Size		Dimensions (m/m)									Operating Torque (Nm)	Mounting Flange ISO 5211	Weight (kga)
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	378	40	95	290	350	1110	F14	75
18"	450	105	436	425	330	425	40	95	290	350	1390	F14	95
20"	500	130	472	472	360	472	70	114	360	350	1730	F16	140
24"	600	150	564	564	430	564	70	114	360	350	2020	F16	220

BUTTERFLY VALVE GEAR OPERATED

Components

9	HANDWHEEL	CAST IRON	A126-B	
8	GEAR BOX	CAST IRON	A126-B	
7	O-RING	NBR (NITRILE)		
6	BOTTOM COVER	BRONZE OR SS	B62 OR SS	
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)
		NBR (NITRILE)		-10° ~ 80 °C (14° ~ 176 °F)
3	STEM	STAINLESS STEEL	A182F316	
			A182F304	
			A182F410	
2	DISC	BRONZE	B62	
		STAINLESS STEEL	A351 CF6M	
			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



Y-STRAINER FLANGED ENDS

Designed to protect pipelines and downstream equipment, this Y-strainer efficiently filters out debris from the flow of liquid or gas.

Ideal for start-up systems or continuous flow applications. Prevents clogging and damage by capturing particles.

Components

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
	PART NAME	MATERIALS	ASTM SPECIFICATION

Y-STRAINER FLANGED ENDS

Size	2"	2½"	3"	4"	5"	6"	8"	10"	12"
D	6	7	7 ½	9	10	11	13 ½	16	19
C	4 ¾	5 ½	6	7 ½	8 ½	9 ½	11¾	14¼	17
T	450	105	436	425	330	425	40	95	290
h	500	130	472	472	360	472	70	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

2 PC FULL BORE BALL VALVE FT



Features:

- Face to face according to ANSI B 16.10
- Flange dimension to ANSI B 16.5
- Test Standard API 598

Components

8	THRUST WASHER	PTFE
7	SEAT	REINFORCED TFE
6	BALL	ASTM A351 GR. CF8M
5	GASKET	PTFE
4	CAP	ASTM A351 GR. CF8M
3	BOLT	ASTM 194 GR. 8
2	NUT	ASTM 194 GR. 8
1	BODY	ASTM A351 GR. CF8M
NO	NAME	STAINLESS STEEL

17	GLAND BOLT	ASTM A193 GR. B8
16	GLAND NUT	ASTM A194 GR. 8
15	SNAP RING	ASTM A276 GR. 304
14	HANDLE	ASTM A536
13	STOPPER	ASTM A276 GR. 304
12	GLAND	ASTM A351 GR. CF8
11	BEARING	PTFE
10	PACKING	PTFE
9	STEM	ASTM A276 GR. 316
NO	NAME	STAINLESS STEEL

2 PC FULL BORE BALL VALVE FT



Features:

- Face to face according to ANSI B 16.10
- Flange dimension to ANSI B 16.5
- Test Standard API 598

Components

8	THRUST WASHER	PTFE
7	SEAT	REINFORCED TFE
6	BALL	ASTM A351 GR. CF8
5	GASKET	PTFE
4	CAP	ASTM A126 Gr. WCB
3	BOLT	ASTM A153 Gr. B7
2	NUT	ASTM A154 Gr. 2H
1	BODY	ASTM A126 Gr. WCB
NO	NAME	CAST IRON

17	GLAND BOLT	ASTM A193 GR. B7
16	GLAND NUT	ASTM A194 GR. 2H
15	SNAP RING	ASTM A276 GR. 304
14	HANDLE	ASTM A570 Gr. FCD45
13	STOPPER	ASTM A276 GR. 304
12	GLAND	ASTM A351 GR. CF8
11	BEARING	PTFE
10	PACKING	PTFE
9	STEM	ASTM A276 GR. 304
NO	NAME	CAST IRON

2 PIECE FULL BORE BALL VALVE FT

Dimensions (ANSI #150 & #300) inches

Size		A	c		F	G	H		K		T		M		N	
inch	MM		150	300			150	300	150	300	150	300	150	300	150	300
½"	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
¾"	20	19.0	117.3	152.7	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	68.9	107.9	123.9	11.1	17.5	15.7	19.0	4	4
1¼"	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
1½"	40	38.1	185.1	190.5	73.1	1.6		114.3	127.0	155.4	14.2	20.5	15.7	19.0	4	4
2"	50	50.8		215.3	91.9	1.6	120.1	127.0	157.7	160.1	15.7	22.3	19.0	19.0	4	5
2½"	65	63.5	190.5	241.3	104.5	1.6	139.7	149.3	177.8	190.5	17.5	25.4	19.0	22.3	4	5
3"	90	76.2	203.2	282.4	127.0	1.6	152.4	168.1	100.5	200.5	19.0	28.4	19.0	22.3	4	8
4"	100	101.6	225.6	304.8	157.2	1.6	190.5	200.1	202.5	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	12
8"	200	203.2	457.2	501.6	269.7	1.6	293.4	330.2	342.9	381.0	28.4	41.1	22.3	22.3	8	12
10"	250	254.0	533.4	568.4	323.8	1.6	361.5	387.3	406.4	444.5	30.2	47.7	25.4	25.4	12	16



2 PIECE FULL BORE VALVE THREADED

Features:

- Thread ends conform to ASME B1.20.1 (NPT)
- Investment casting
- Blow-out proof stem
- 1000 psi W.O.G
- Latch lock handle (option)
- Mounting pad (option)

Components

12	HANDLE SLEEVE	VINYL
11	THRUST WASHER	PTFE
10	STEM PACKING	PTFE
9	BODY SEAL	PTFE
8	BALL SEAT	R-PTFE
7	NUT & WASHER	AISI 304
6	GLAND NUT	AISI 304
5	HANDLE	AISI 304
4	STEM	AISI 316
3	BALL	A351 GR. CFM8 (SS 316)
2	END CAP	A351 GR. CFM8 (SS 316)
1	BODY	A351 GR. CFM8 (SS 316)
NO	NAME	MATERIAL

2 PIECE FULL BORE BALL VALVE NPT

- 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"
Ød	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



STAINLESS STEEL BALL VALVE (1 PIECE) NPT

Features:

- For General Chemical and Industrial Services
- Pressure Rating: 600 PSI WOG (Non-Shock)
- Steam Rating : 150 PSI WSP
- Temperature Range: -29° ~ +200 °

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

Size	d	L	H	D1	Cv Factor
¼	5.0	39.0	36	63	1.0
⅜	7.0	44.5	37	74	2.5
½	9.2	56.5	44	91	5.1
¾	12.5	58.5	47	91	100
1"	15.0	71.2	51	106	155
1 ¼"	20.0	78.5	54	106	200
1 ½"	25.0	83.5	67	129	370
2	32.0	100.0	72	129	600

Components

14	LOCKING PLATE	SS304
13	HANDLE SLEEVE	VINLY GRIP
12	HANDLE NUT	SS304
11	WASHER	SS304
10	HANDLE	SS304
9	GLAND	SS304
8	PACKINGS	PTFE
7	THRUST WASHER	PTFE
6	CAP SEAT	PTFE
5	STEM	SS316
4	BALL SEAT	PTFE
3	BALL	ASTM A351 GR. CF8M
2	CAP	SS316
1	BODY	ASTM A351 GR. CFM8
NO	NAME	SPECIFICATION



2 WAY BALL VALVE (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 16.5
- Automatic actuator can be furnished upon request

Materials class 150 LBS

8	GEAR BOX	GRAY IRON	A126 CLE
7	PACKING GLAND	STAINLESS STEEL	A351 CF8
6	PACKING	TEFLON	PTFE
5	SEAT RING	TEFLON	PTFE
4	STEM	STAINLESS STEEL	A276 GR. 304, 316
3	BALL	STAINLESS STEEL	A351 CF8
2	BONNET	STAINLESS STEEL	A351 CF8
1	BODY	STAINLESS STEEL	A351 CF8
	NAME	MATERIAL	

Class 150 LBS

(unit mm)

Dim	¾"	1"	1 ½ "	2"	6"
L	117	127	165	178	394
H	81	86	107	117	325
W	130	160	230	230	600



GATE



CHECK



BALL



Y-STRAINER



GLOBE

STANDARDS:

ASTM A105 , API, ASME, AND ANSI B16.5

- size: 1/4" - 48"
- Thickness: Class 150 -2,500
- All Items will have an accompanying Mill Test Certificate upon request

APPLICATIONS:

- Industrial
- Residential
- Petrochemical Plants
- Oil & Gas
- Refineries
- Sugar Mills
- Energy

- Construction & Infrastructure
- Chemicals
- Machineries
- Boilers
- Food & Beverage
- Shipping
- Desalination Plant
- Power Plants

- Automotive & Transport
- High-Pressure Vessel

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