



UNITEK VALVES PVT
MANUFACTURER OF INDUSTRIAL VALVES



AN ISO 9001-2015 CERTIFIED COMPANY



GATE / GLOBE / CHECK VALVES

Unitek Valves Pvt. Ltd offer you a wide range of Industrial valves available in Cast Steel, Forged Steel, Stainless Steel, Alloy Steel & Cast Iron as Material of Construction and Pressure Rating ranging from #150 to #2500. We have manufactured our products as per the latest national and international standards and designed using latest manufacturing techniques and stringent quality checks.



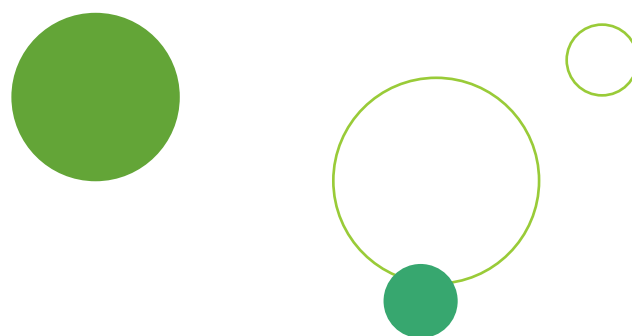
CATALOGUE





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OUR PRODUCTS

PRODUCT 1: GATE VALVE



Gate Valves are available in wide range of sizes and weights. These are widely suited for high pressure and temperature and variety of fluids.

Gate valves are adequate for all service media along with Hydrogen service, Oxygen service, Hydrocarbon service and NACE applications and other features are available on request.

PRODUCT 2: GLOBE VALVE



Globe Valves are highly efficient for services requiring frequent operation and throttling. The internal passage within the valve diverts flow through 90° changes of direction resulting in pressure drop and turbulence. Globe valves are generally considered where moderate control or regulation of flow is required.

Globe valves are adequate for all service media. The Globe Valves is generally faster to operate due to less travel. But requires much force to operate compared to Gate valves.

PRODUCT 3: CHECK VALVE

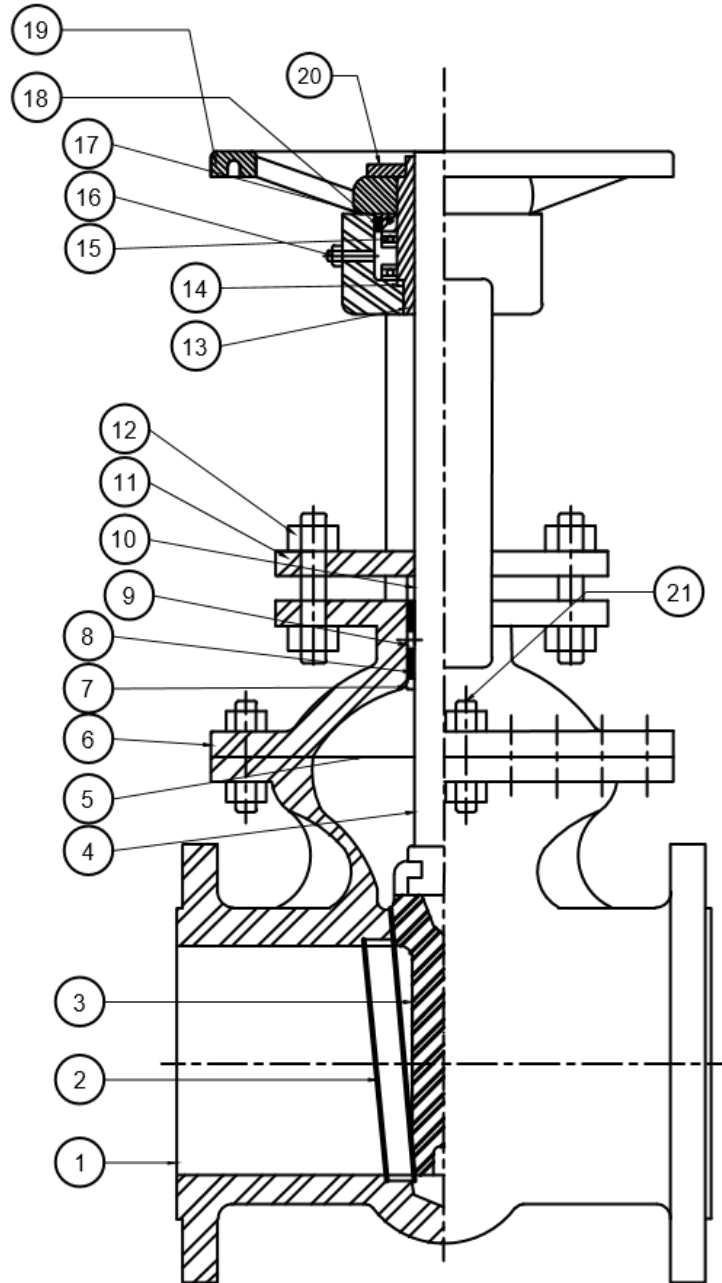


Check valves are normally designed for horizontal installations. It can be installed in vertical direction with flow in upward under the disc. There is no tendency for seat to disc because the disc meets flat surface without rubbing upon contact.

Flow directions are marked as cast on the body for ease of installation. Swing Check valves are adequate for all service media.



CAST STEEL GATE VALVE



TRIM MATERIAL COMBINATION

Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI316	F316/AISI316	F316/AISI316
12	316+STELLITE	316	F316/AISI316	F316/AISI316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20



CAST STEEL GATE VALVE

STANDARD MATERIAL COMBINATION

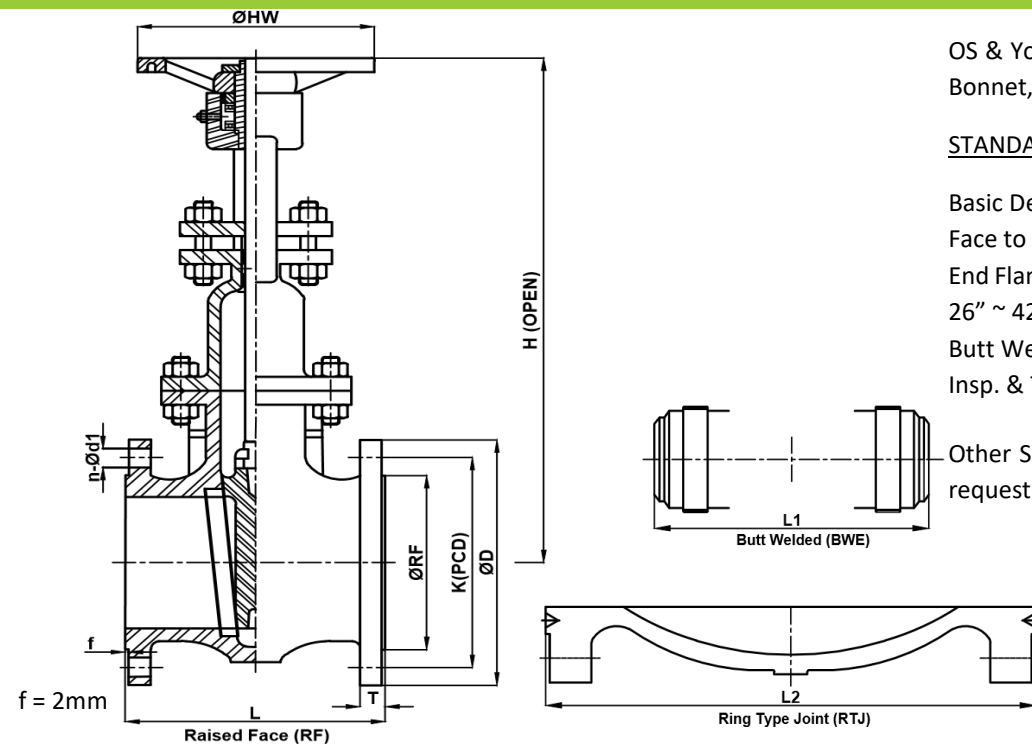
P. NO.	PART DESCRIPTION	Carbon steel to ASTM		Alloy steel to ASTM					Stainless steel to ASTM			
		Type WCB	Type LCB	Type WC1	Type WC6	Type WC9	Type C5	Type C12	Type CF8	Type CF8M	Type CF3	Type CF3M
1	BODY	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	SEAT RING	As per Trim Material Combination										
3	WEDGE	As per Trim Material Combination										
4	STEM	As per Trim Material Combination										
5	GASKET	Stainless steel + Graphoil										
6	BONNET	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	BACK SEAT BUSH	As per Trim Material Combination										
8	PACKING	To suit service conditions										
9	LANTERN RING	As per Trim Material Combination										
10	GLAND	A 182 F6a	A182 F304	A 182 F6a	A 182 F6a	A 182 F6a	A 182 F6a	A 182 F6a	F-304	F-316	F-304L	F-316L
11	GLAND FLANGE	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	NUTS	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
13	YOKE SLEEVE	Al, Bronze BS1982 CC331G or Ni - resist to A439 D2										
14	OIL SEAL	EPDM/BUNA 'N' RUBBER										
15	THRUST BEARING	STEEL										
16	LUBRICATOR	STEEL										
17	YOKE SLEEVE RETAINING NUT	STEEL IS:2062										
18	LOCKING SCREW	STEEL IS:2062										
19	HANDWHEEL	D1 A536 80-55-D6 OR MI 1S 2108 BM 290/ASTMA338										
20	HANDWHEEL RETAINING NUT	STEEL IS:2062										
21	STUDS	A193 B7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8

Other Materials can be provided on request.



CAST STEEL GATE VALVE

CLASS 150



OS & Yoke, Rising Stem, Flexible Wedge, Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End Flange Dimension: 1 1/2" ~ 24" to ASME B16.5
26" ~ 42" to ASME B16.47 Series A or B.
Butt Weld Ends: ASME B16.25
Insp. & Testing: API 598

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 150#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
40	1 1/2"	165	165	178	125	12.7	98.4	04	15.9	325	365	74	210	16.6
50	2"	178	216	191	150	14.3	120.6	04	19	335	386	92	210	20
65	2 1/2"	190	241	230	180	15.9	139.7	04	19	366	431	105	210	28
80	3"	203	282	216	190	17.5	152.4	04	19	371	451	127	235	32.5
100	4"	229	305	242	230	22.3	190.5	08	19	451	551	157	255	51.2
125	5"	254	381	267	255	22.3	215.9	08	22.2	556	681	185.7	310	74
150	6"	267	403	280	280	23.9	241.3	08	22.2	595	745	216	310	85
200	8"	292	419	305	245	27	298.4	08	22.2	745	945	270	400	136
250	10"	330	457	343	405	28.6	362	12	25.4	916	1166	324	460	189
300*	12"	356	502	369	485	30.2	431.8	12	25.4	-	-	381	500	289
350*	14"	381	572	394	535	33.4	476.2	12	28.6	-	-	413	450	467
400*	16"	407	610	420	595	35	539.8	16	28.6	-	-	470	450	920
450*	18"	432	660	445	635	38.1	577.8	16	31.8	-	-	533	450	738
500*	20"	457	711	470	700	41.3	635	20	31.8	-	-	584	450	970
550*	22"	508	762	521	748.3	45	692.1	20	34.9	-	-	-	450	1045
600*	24"	508	813	521	815	46.1	749.3	20	34.9	-	-	692	450	1290
650*	26"	559	-	-	786	41.1	744.5	36	22.4	-	-	-	450	1513
700*	28"	609.6	-	-	836.6	45.5	795.3	40	22.3	-	-	800	450	1735
750*	30"	609.6	-	-	984.3	74.7	914.4	28	35.1	-	-	857	450	1910
900*	36"	711	-	-	1057	75.7	1009.7	44	25.4	-	-	1022	700	2528
1000*	40"	874	-	-	1067	-	-	-	-	-	-	1124	-	-
1050*	42"	914	-	-	1090	-	-	-	-	-	-	1194	-	-

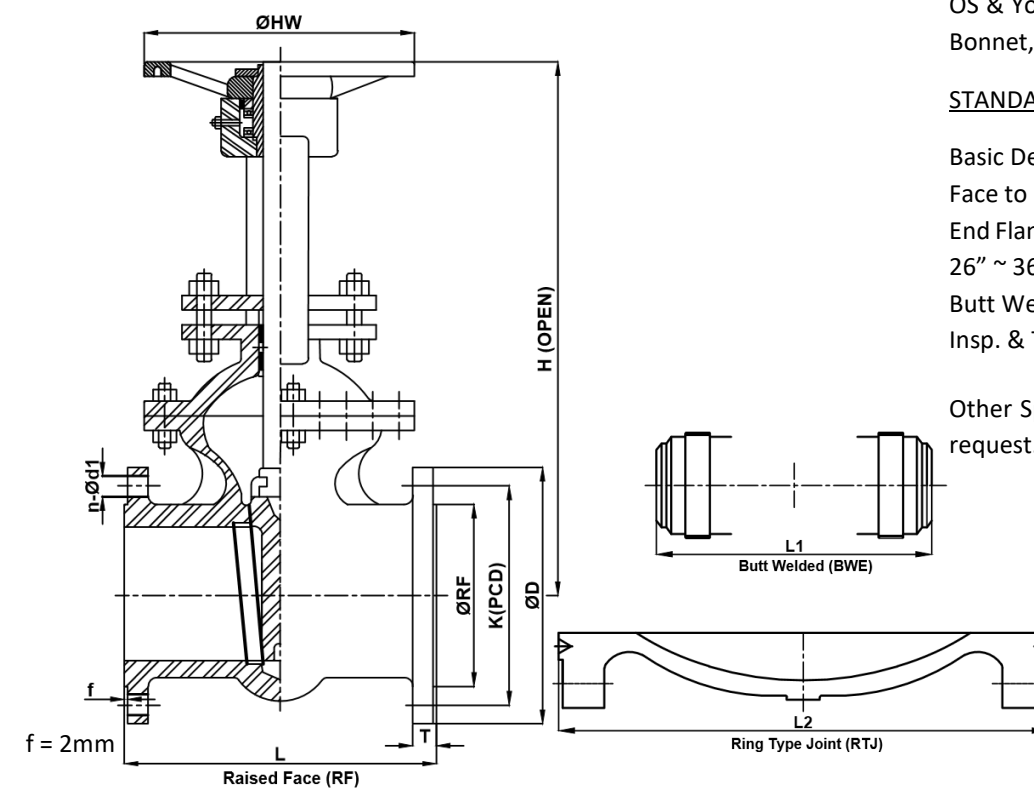
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves



CAST STEEL GATE VALVE

CLASS 300



OS & Yoke, Rising Stem, Flexible Wedge, Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End Flange Dimension: 1 1/2" ~ 24" to ASME B16.5
26" ~ 36" to ASME B16.47 Series A or B.
Butt Weld Ends: ASME B16.25
Insp. & Testing: API 598

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 300#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
40	1 1/2"	190	190	204	155	19.1	114.3	04	22.2	356	396	74	210	24.5
50	2"	216	216	232	165	20.7	127	08	19	381	431	92	210	29
65	2 1/2"	241	241	257	190	23.9	149.2	08	22.2	415	480	105	210	47.1
80	3"	282	282	296	210	27	168.3	08	22.2	433	513	127	225	55
100	4"	305	305	321	255	30.2	200	08	22.2	521	621	157	310	80.5
125	5"	381	381	397	280	33.4	235	08	22.2	761	886	185.7	310	161.6
150	6"	403	403	419	320	35	269.9	12	22.2	745	895	216	400	167.6
200	8"	419	419	435	380	39.7	330.2	12	25.4	920	1120	270	450	263
250	10"	457	457	473	445	46.1	387.4	16	28.6	1170	1420	324	450	458
300*	12"	502	502	518	520	49.3	450.8	16	31.8	-	-	381	450	610
350*	14"	762	762	778	585	54.4	514.4	20	31.8	-	-	413	-	920
400*	16"	838	838	854	650	55.6	571.5	20	35	-	-	470	-	1056
450*	18"	914	914	930	710	58.8	628.7	24	35	-	-	533	-	1145
500*	20"	991	991	1010	775	62	685.8	24	35	-	-	584	-	2055
600*	24"	1143	1143	1165	915	68.3	812.8	24	41	-	-	692	-	2730
650*	26"	1245	-	1270	867	89	803.2	32	35	-	-	-	-	-
750*	30"	1397	-	1422	990.6	93.7	920.8	36	38.1	-	-	857	-	-
900*	36"	1727	-	1755	1270	104.6	1168.4	36	53.8	-	-	1022	-	-

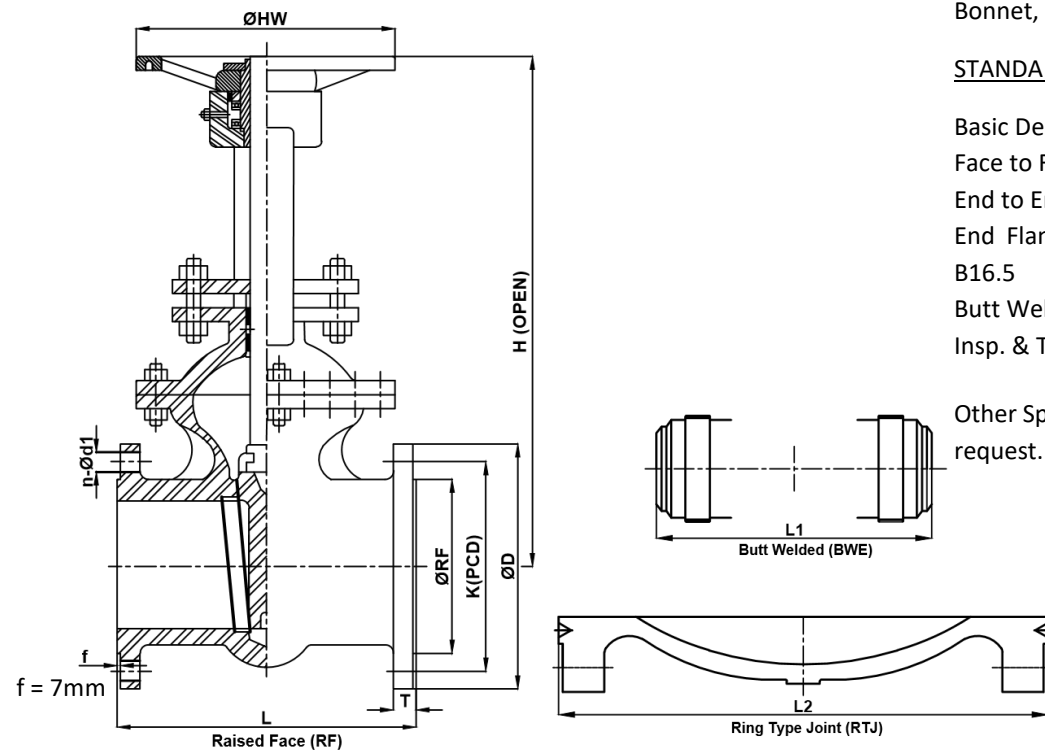
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves.



CAST STEEL GATE VALVE

CLASS 600



OS & Yoke, Rising Stem, Flexible Wedge, Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 1 1/2" ~ 24" to ASME B16.5
Butt Weld Ends: ASME B16.25
Insp. & Testing: API 598

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 600#

DN	NPS	L	L1	L2	OD	T	K(PCD)	n	OD1	H close	H open	ORF	OHW	Approx wt.
40	1 1/2"	241	241	241	155	22.7	114.3	04	22.2	351	391	74	229	32.9
50	2"	292	292	295	165	25.4	127	08	19	426	476	92	229	46
65	2 1/2"	330	330	333	190	28.6	149.3	08	22.2	476	541	105	229	75
80	3"	356	356	359	210	31.8	168.1	08	22.2	538	618	127	254	80
100	4"	432	432	435	275	38.1	216	08	25.4	624	724	157	356	153
125	5"	508	508	511	330	44.5	266.7	08	28.6	751	876	185.7	406	264
150	6"	559	559	562	355	47.7	292.1	12	28.6	889	1039	216	508	298.5
200	8"	660	660	663	420	55.6	349.2	12	31.8	979	1179	270	508	593
250	10"	787	787	790	510	63.5	431.8	16	34.9	1041	1291	324	610	677
300*	12"	838	838	841	560	66.7	489	20	34.9	-	-	381	450	1015
350*	14"	889	889	890	605	69.9	527	20	38.1	-	-	413	450	1321
400*	16"	991	991	993	685	76.2	603.2	20	41.1	-	-	470	450	1760
450*	18"	1092	1092	1095	745	82.6	654	20	44.5	-	-	533	700	2415
500*	20"	1194	1194	1200	815	88.9	724	24	44.5	-	-	584	700	2920
600*	24"	1397	1397	1407	940	101.6	838.2	24	50.8	-	-	692	700	4400

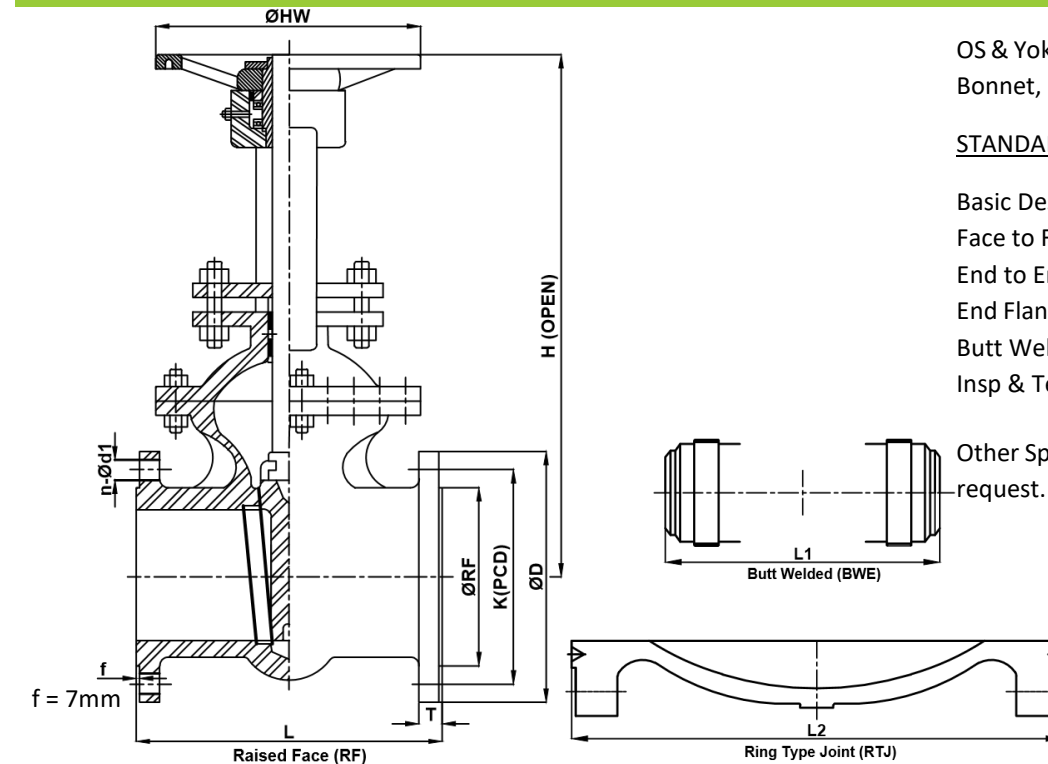
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST STEEL GATE VALVE

CLASS 900 & CLASS 1500



OS & Yoke, Rising Stem, Flexible Wedge, Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 2" ~ 24" to ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 900#

DN	NPS	L	L1	L2	OD	T	K(PCD)	n	OD1	H close	H open	ORF	OHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	481	531	92	300	88
80	3"	381	381	421	240	38.1	190.5	08	25.4	596	676	127	300	182
100	4"	457	457	473	290	44.5	234.5	08	31.8	664	764	157	400	275
150*	6"	610	610	549	380	55.6	317.5	12	31.8	1322	-	216	450	478
200*	8"	737	737	711	470	63.5	393.7	12	38.1	1531	-	270	700	710
250*	10"	838	838	841	545	69.9	469.9	16	38.1	1781	-	324	700	810
300*	12"	965	965	968	610	79.4	533.4	20	38.1	1884	-	381	700	1330
350*	14"	1029	1029	1039	640	85.8	558.8	20	41.3	2029	-	413	700	1937.36
400*	16"	1130	1130	1140	705	88.9	615.9	20	44.5	2401	-	470	700	2710
450*	18"	1219	1219	1232	787	101.6	685.8	20	50.6	2590	-	533	1000	-
500*	20"	1321	1321	1334	855	108	749.3	20	54	2859	-	584	1000	-
600*	24"	1568	1568	1587	1040	139.7	901.7	20	66.7	3533	-	692	1000	7789

DIMENSIONAL DATA 1500#

DN	NPS	L	L1	L2	OD	T	K(PCD)	n	OD1	H close	H open	ORF	OHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	479	529	92	300	93
65	2 1/2"	419	419	422	245	41.3	190	08	28.6	551	616	105	350	140
80*	3"	470	470	473	265	47.7	203.2	08	31.8	601	-	127	400	173.5
100*	4"	546	546	549	310	54	241.3	08	35	719	-	157	450	327
150*	6"	705	705	711	345	82.6	317.5	12	38.1	1145	-	216	700	633.81
200*	8"	832	832	842	485	92.1	393.7	12	44.5	1264	-	270	700	1218
250*	10"	991	991	1001	585	108	482.6	12	50.8	1384	-	324	700	2405
300*	12"	1130	1130	1146	670	123.9	571.5	16	54	1504	-	381	700	3065

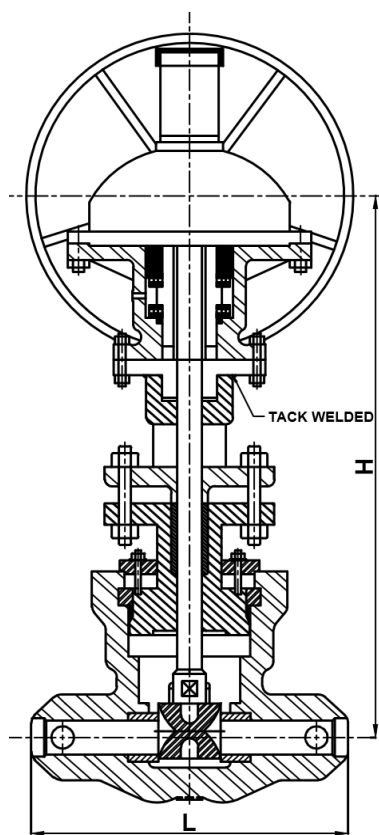
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST STEEL GATE VALVE

CLASS 900

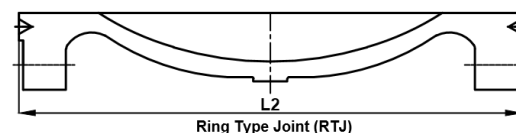
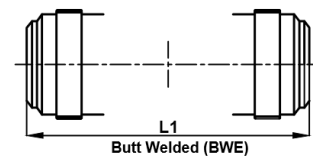


OS & Yoke, Rising Stem, Flexible Wedge,
Pressure Seal Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 2" ~ 24" to ASME B16.5
Butt Weld Ends: ASME B16.25
Insp. & Testing: API 598

Other Special Requirement can be provided on request.



DIMENSIONAL DATA 900#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	216	216	371	215	38.1	165.1	08	25.4	481	531	92	300	45
80	3"	305	305	421	240	38.1	190.5	08	25.4	596	676	127	300	55
100	4"	356	356	473	290	44.5	234.5	08	31.8	664	764	157	400	95
150*	6"	508	508	549	380	55.6	317.5	12	31.8	1322	-	216	450	190
200*	8"	660	660	711	470	63.5	393.7	12	38.1	1531	-	270	700	350
250*	10"	787	787	841	545	69.9	469.9	16	38.1	1781	-	324	700	710
300*	12"	914	914	968	610	79.4	533.4	20	38.1	1884	-	381	700	1000
350*	14"	991	991	1039	640	85.8	558.8	20	41.3	2029	-	413	700	1145
400*	16"	1092	1092	1140	705	88.9	615.9	20	44.5	2401	-	470	700	-
450*	18"	-	-	1232	787	101.6	685.8	20	50.6	2590	-	533	1000	-
500*	20"	-	-	1334	855	108	749.3	20	54	2859	-	584	1000	-
600*	24"	-	-	1587	1040	139.7	901.7	20	66.7	3533	-	692	1000	-

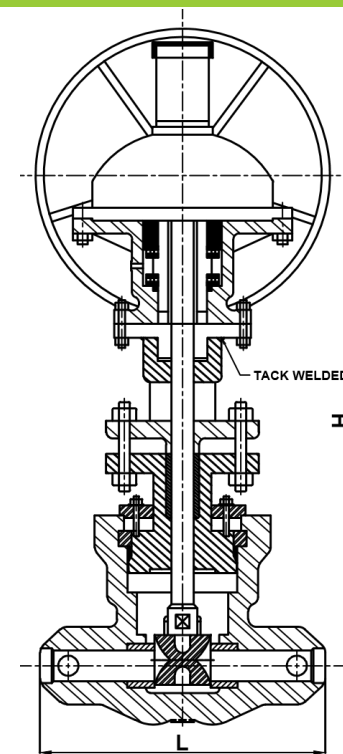
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST STEEL GATE VALVE

CLASS 1500 & CLASS 2500

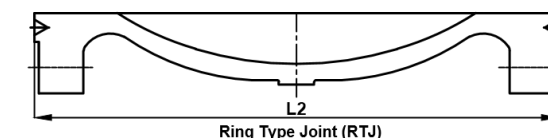
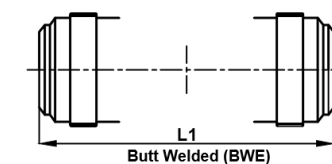


OS & Yoke, Rising Stem, Flexible Wedge,
Pressure Seal Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: API 600 or ASME B16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 2" ~ 24" to ASME B16.5
Butt Weld Ends: ASME B16.25
Insp. & Testing: API 598

Other Special Requirement can be provided on request.



DIMENSIONAL DATA 1500#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	216	216	371	215	38.1	165.1	08	25.4	479	529	92	300	45
65	2 ½"	260	260	421	245	41.3	190	08	28.6	551	616	105	351	50
80	3"	305	305	473	265	47.8	203.2	08	31.8	601	-	127	400	60
100	4"	406	406	549	310	54	241.3	08	35	719	-	157	450	105
150*	6"	559	559	711	395	82.6	317.5	12	38.1	1145	-	216	700	230
200*	8"	711	711	842	485	92.1	393.7	12	44.5	1264	-	270	700	440
250*	10"	864	864	1001	585	108	482.6	12	50.8	1384	-	324	700	850
300*	12"	991	991	1146	675	123.9	571.5	16	54	1504	-	381	700	1045
350*	14"	1067	1067	-	-	-	-	-	-	-	-	413	700	-
400*	16"	1194	1194	-	-	-	-	-	-	-	-	470	700	-
450*	18"	1346	1346	-	-	-	-	-	-	-	-	533	1000	-
500*	20"	1473	1473	-	-	-	-	-	-	-	-	584	1000	-

DIMENSIONAL DATA 2500#

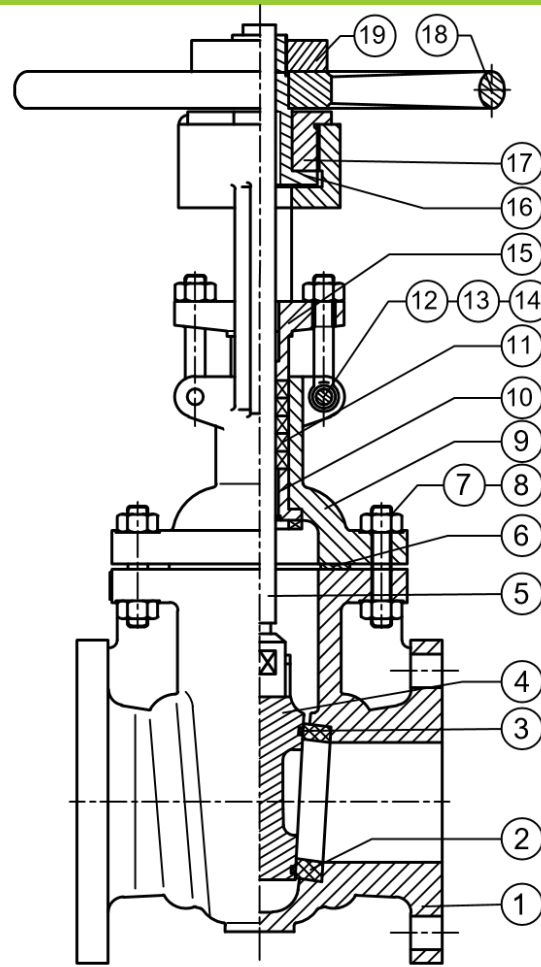
DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	279	279	454	235	50.9	171.5	08	29.6	357	407	92	300	50
80*	3"	368	368	584	305	66.7	228.6	08	35	500	-	127	400	120
100*	4"	457	457	684	355	76.2	273	08	41.3	530	-	157	450	140
150*	6"	610	610	928	485	108	368.3	12	53.9	670	-	216	700	305
200*	8"	762	762	1038	550	127	438.2	12	53.8	730	-	270	700	685
250*	10"	914	914	1292	675	165.1	539.8	12	66.5	810	-	324	700	1270
300*	12"	1041	1041	1445	760	184.2	619.2	12	73.2	970	-	381	700	1895

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST IRON GATE VALVE



MATERIAL SPECIFICATION

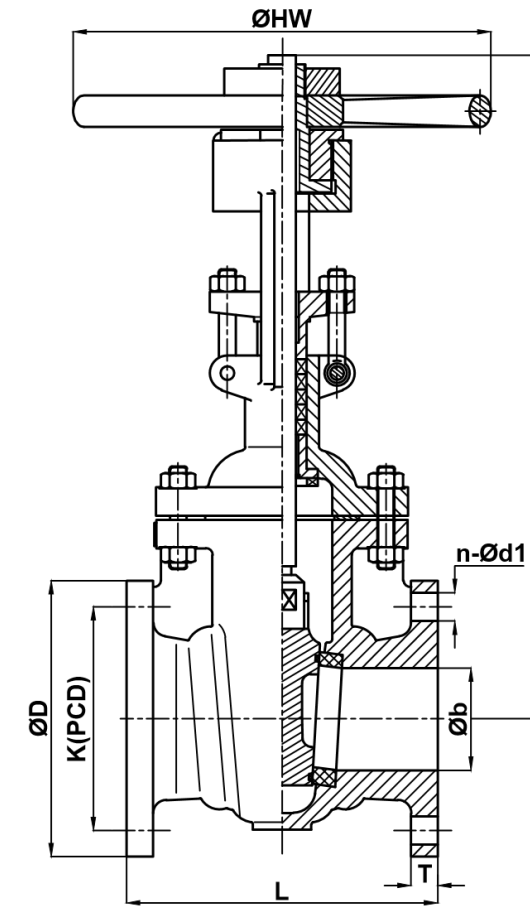
P. No.	PART DESCRIPTION	MATERIAL			
		GREY IRON		DUCTILE IRON	
1	BODY	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
2	SEAT RING	ASTM B62	13CR	ASTM B62	13CR
3	WEDGE RING	ASTM B62	13CR	ASTM B62	13CR
4	WEDGE	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
5	STEM	ASTM B16	13CR	ASTM B16	13CR
6	BONNET GASKET	GRAPHITE + STEEL			
7	BONNET BOLT	ASTM A307			
8	BONNET NUT	CARBON STEEL			
9	BONNET	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
10	BACK SEAT	ASTM B16	13CR	ASTM B16	13CR
11	PACKING	GRAPHITE			
12	GLAND EYE BOLT	CARBON STEEL			
13	GLAND NUT	CARBON STEEL			
14	PIN	CARBON STEEL			
15	PACKING GLAND	ASTM A536			
16	STEM NUT	Mn-BRASS			
17	SCREW	CARBON STEEL			
18	HANDWHEEL	ASTM A126 CL B			
19	HANDWHEEL NUT	ASTM A536			

Other Materials can be provided on request.



CAST IRON GATE VALVE

CLASS 125 (RISING STEM)

OS & Yoke, Rising Stem, Solid Wedge,
Bolted Bonnet, Rolled-in Wedge Ring

STANDARD COMPLIANCE:

Basic Design: MSS SP-70

Face to Face Dimension: ANSI B16.10

End Flange Dimension: ASME B16.1

Insp. & Testing: MSS SP-70

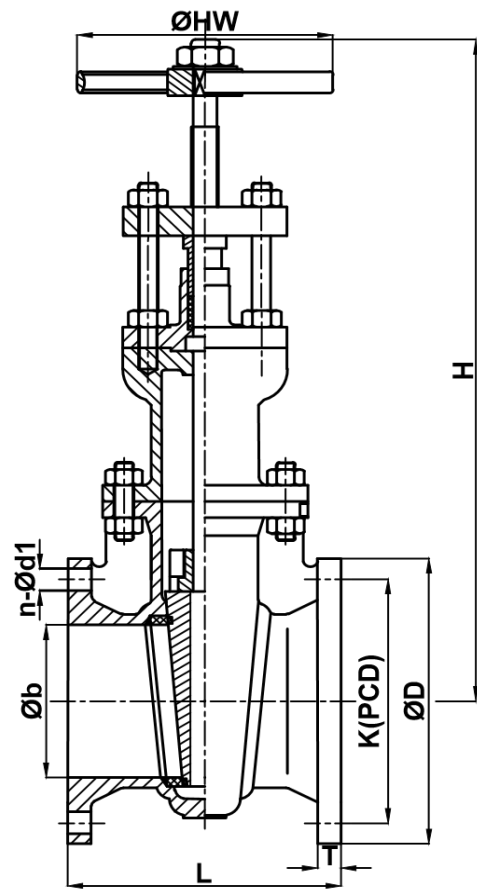
Other Special Requirement can be provided
on request.

DIMENSIONAL DATA 125# (RISING STEM)

DN	NPS	Øb	L (FF)	K (PCD)	ØD	T	n	Ød1	H	ØHW	Approx. wt.
50	2"	51	178	120.7	152	15.8	04	19	320	200	20
65	2 ½"	63.5	190	139.7	178	17.5	04	19	345	200	26
80	3"	76	203	152.4	191	19	04	19	387	200	32
100	4"	102	229	190.5	229	23.9	08	19	490	254	50
125	5"	127	254	215.9	254	23.9	08	22	576	300	70
150	6"	152	267	241.3	279	25.4	08	22	680	300	89
200	8"	203	292	298.5	343	28.5	08	22	808	345	141
250	10"	254	330	362	406	30.2	12	25	1010	400	218
300	12"	305	356	431.8	483	31.8	12	25	1080	450	315
350	14"	356	381	476.3	533	35	12	29	1258	505	457
400	16"	406	406	539.8	597	36.6	16	29	1385	556	570
450	18"	457	432	577.9	635	39.6	16	32	1545	610	735
500	20"	508	457	635	699	42.9	20	32	1688	610	990
600	24"	610	508	749.3	813	47.8	20	35	2342	700	1341
750	30"	762	610	914.4	984	53.9	28	35	2535	700	2630
900	36"	914	711	1086	1168	60.5	32	41	2690	800	4180

All Dimensions are in mm & Weight given in Kg.

Other sizes valves can be provided on request.

**CAST IRON GATE VALVE CLASS 125 (NON-RISING STEM)**

Non-Rising Stem, Solid Wedge, Bolted Bonnet, Rolled-in Wedge Ring

STANDARD COMPLIANCE:

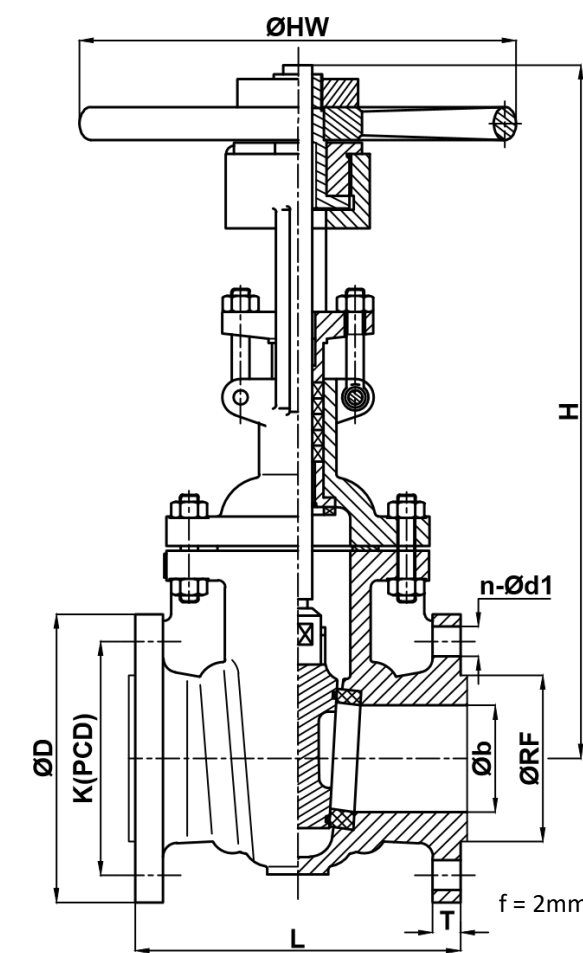
Basic Design: MSS SP-70
Face to Face Dimension: ANSI B16.10
End Flange Dimension: ASME B16.1
Insp. & Testing: MSS SP-70

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 125# (Non-RISING STEM)

DN	NPS	Øb	L (FF)	K (PCD)	ØD	T	n	Ød1	H	ØHW	Approx. wt.
50	2"	51	178	120.7	152	15.8	04	19	313	200	18
65	2 ½"	63.5	190	139.7	178	17.5	04	19	334	200	25
80	3"	76	203	152.4	191	19	04	19	370	200	30
100	4"	102	229	190.5	229	23.9	08	19	425	254	47
125	5"	127	254	215.9	254	23.9	08	22	454	300	65
150	6"	152	267	241.3	279	25.4	08	22	544	300	80
200	8"	203	292	298.5	343	28.5	08	22	667	345	140
250	10"	254	330	362	406	30.2	12	25	754	400	202
300	12"	305	356	431.8	483	31.8	12	25	879	450	291
350	14"	356	381	476.3	533	35	12	29	1002	505	437
400	16"	406	406	539.8	597	36.6	16	29	1100	556	538
450	18"	457	432	577.9	635	39.6	16	32	1210	610	635
500	20"	508	457	635	699	42.9	20	32	1380	610	947
600	24"	610	508	749.3	813	47.8	20	35	1455	700	1280
750	30"	762	610	914.4	984	53.9	28	35	2140	700	2440
900	36"	914	711	1086	1168	60.5	32	41	2385	800	3908

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

**CAST IRON GATE VALVE CLASS 250 (RISING STEM)**

OS & Yoke, Rising Stem, Solid Wedge, Bolted Bonnet, Rolled-in Wedge Ring

STANDARD COMPLIANCE:

Basic Design: MSS SP-70
Face to Face Dimension: ANSI B16.10
End Flange Dimension: ASME B16.1
Insp. & Testing: MSS SP-70

Other Special Requirement can be provided on request.

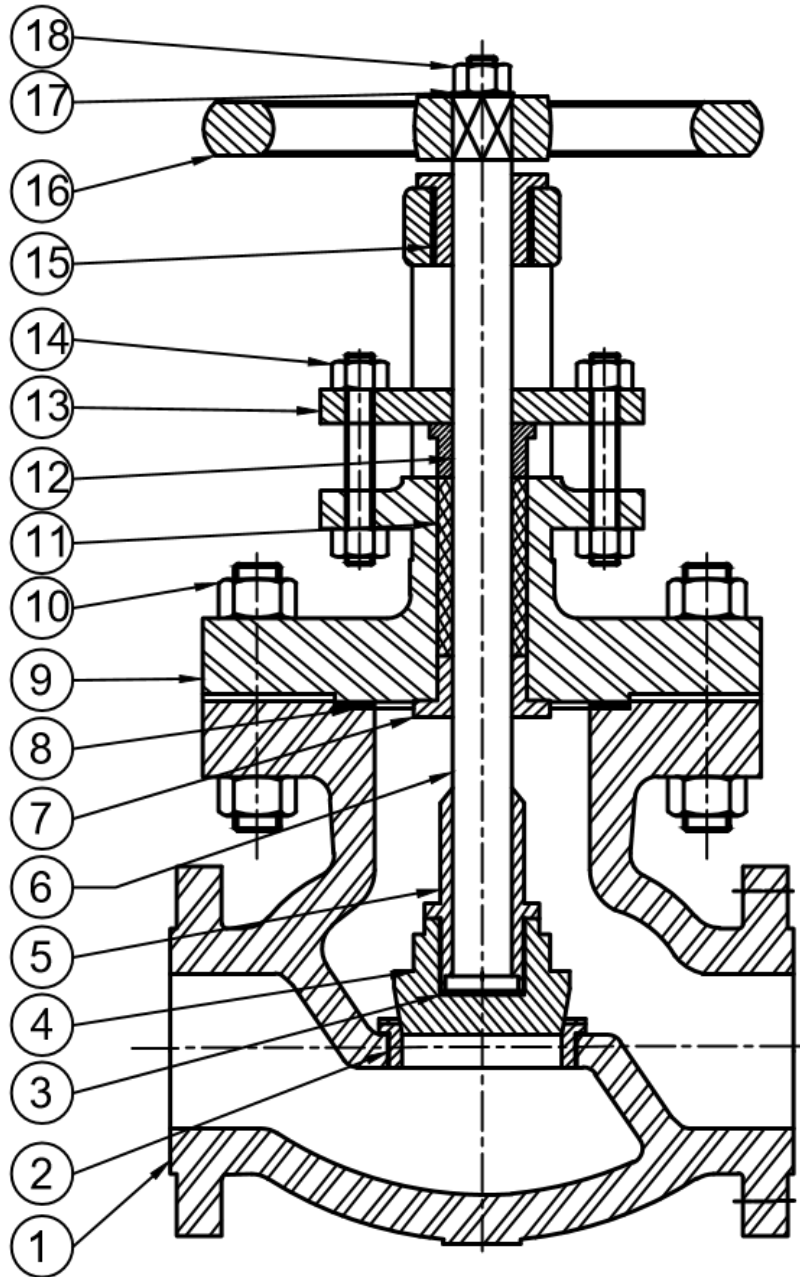
DIMENSIONAL DATA 250# (RISING STEM)

DN	NPS	Øb	L (RF)	ØRF	K (PCD)	ØD	T	n	Ød1	H	ØHW	Approx. wt.
50	2"	51	216	106.5	127	165	22.3	08	19	342	200	27
65	2 ½"	64	241	125.5	149	191	25.4	08	22	392	200	39
80	3"	76	283	144.5	168	210	28.6	08	22	435	250	50
100	4"	102	305	176.5	200	254	31.8	08	22	495	300	74
125	5"	127	381	211.5	235	279	35	08	22	580	300	92
150	6"	152	403	246.5	270	318	36.6	12	22	664	350	128
200	8"	203	419	303.3	330	381	41.3	12	25	842	400	211
250	10"	254	459	357.5	387	445	47.6	16	29	1034	450	314
300	12"	305	502	418	451	521	50.8	16	32	1130	505	433

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST STEEL GLOBE VALVE



TRIM MATERIAL COMBINATION

Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI316	F316/AISI316	F316/AISI316
12	316+STELLITE	316	F316/AISI316	F316/AISI316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20



CAST STEEL GLOBE VALVE

STANDARD MATERIAL COMBINATION

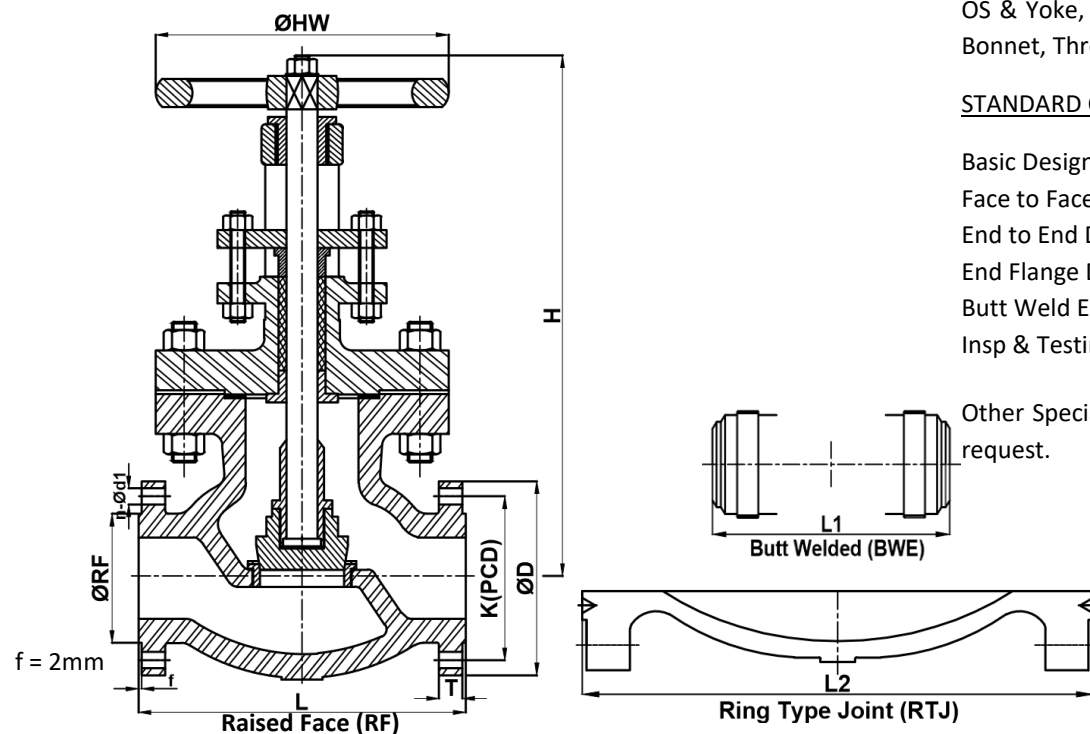
P. NO.	PART DESCRIPTION	Carbon steel to ASTM		Alloy steel to ASTM					Stainless steel to ASTM			
		Type WCB	Type LCB	Type WC1	Type WC6	Type WC9	Type C5	Type C12	Type CF8	Type CF8M	Type CF3	Type CF3M
1	BODY	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	BODY SEAT RING	As per Trim Material Combination										
3	THRUST PLATE	HARDENED STEEL										
4	DISC	As per Trim Material Combination										
5	DISC NUT	A182 F6a	F304	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A276 F304	A182 F316	A182 304L	A182 316L
6	STEM	As per Trim Material Combination										
7	BACK SEAT BUSH	As per Trim Material Combination										
8	GASKET	Spiral wound Stainless Steel Graphoil Filled										
9	BONNET	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
10	BODY BONNET STUDS AND NUTS	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
		A194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 8M	A194 Gr.8	A194 8M
11	PACKING	To suit service conditions										
12	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A276 F304	A182 F316	A182 304L	A182 316L
13	GLAND FLANGE	A105	A350 LF2	A105	A105	A105	A105	A105	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
14	STUDS & NUTS	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
		A194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
15	YOKE BUSH	Al. Bronze BS 1982 CC331G or Ni - resist to A4390D2										
16	HANDWHEEL	DI A536 80-55-06 OR MI 1S2108 BM290/ASTMA338										
17	WASHER	STEEL										
18	HANDWHEEL RETAINING NUT	STEEL										

Other Materials can be provided on request.



CAST STEEL GLOBE VALVE

CLASS 150

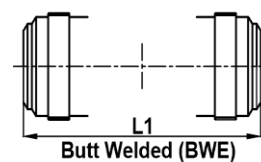


OS & Yoke, Rising Stem, Plug Type Disc, Bolted Bonnet, Threaded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.



Ring Type Joint (RTJ)

DIMENSIONAL DATA 150#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
40	1 ½"	165	165	178	125	12.7	98.5	04	15.7	296	306	74	203	16.5
50	2"	203	203	216	150	14.3	120.6	04	19.1	331	344	92	203	25.5
65	2 ½"	216	216	229	180	15.9	139.7	04	19.1	423	439	105	229	35
80	3"	241	241	254	190	17.5	152.4	04	19.1	446	466	127	229	44
100	4"	292	292	305	230	22.3	190.5	08	19.1	491	516	157	254	77
125	5"	356	356	369	255	22.3	215.9	08	22.3	571	602	185.7	254	102
150	6"	406	406	409	280	23.9	241.3	08	22.3	601	639	216	304	126
200	8"	495	495	508	345	27	298.5	08	22.3	643	693	270	457	220
250	10"	622	622	635	405	28.6	362	12	25.4	771	834	324	559	337
300*	12"	698	698	711	485	30.2	431.8	12	25.4	826	901	381	635	564
350*	14"	787	787	800	535	33.4	476.2	12	28.6	1181	1269	413	450	803
400*	16"	914	914	927	595	35	539.8	16	28.6	1219	1319	470	450	851
500*	20"	978	978	991	700	41.3	635	20	32	2084	2209	584	700	-

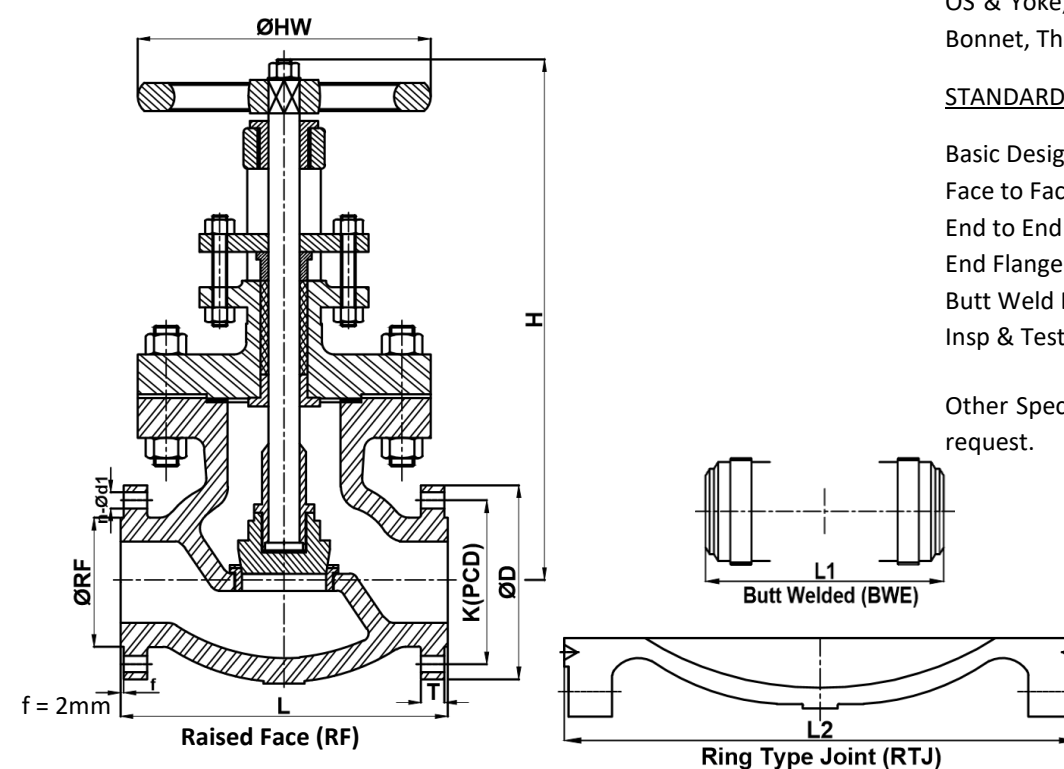
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves



CAST STEEL GLOBE VALVE

CLASS 300

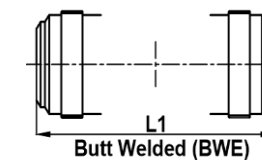


OS & Yoke, Rising Stem, Plug Type Disc, Bolted Bonnet, Threaded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.



Ring Type Joint (RTJ)

DIMENSIONAL DATA 300#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
40	1 ½"	229	229	242	155	19.1	114.3	04	22.3	361	371	74	216	26
50	2"	267	267	283	165	20.7	127	08	19.1	401	414	92	216	37.5
65	2 ½"	292	292	308	190	23.9	149.2	08	22.2	419	435	105	254	60
80	3"	318	318	334	210	27	168.3	08	22.2	516	536	127	254	68.5
100	4"	356	356	372	255	30.2	200.1	08	22.2	589	614	157	356	103
125	5"	401	401	417	280	33.4	235	08	22.2	681	712	185.7	406	164
150	6"	444	444	460	320	35	269.7	12	22.2	681	719	216	457	221
200	8"	559	559	575	380	39.7	330.2	12	25.4	821	871	270	508	318
250	10"	622	622	638	445	46.1	387.4	16	28.6	836	899	324	559	572
300*	12"	711	711	727	520	49.3	450.8	16	31.8	1001	1076	381	864	679
400*	16"	864	-	880	650	55.6	511.5	20	35	-	-	470	-	-
500*	20"	1016	-	1035	775	62	685.8	24	35	-	-	584	-	-
600*	24"	1346	-	1368	915	68.3	812.8	24	41.3	-	-	692	-	-

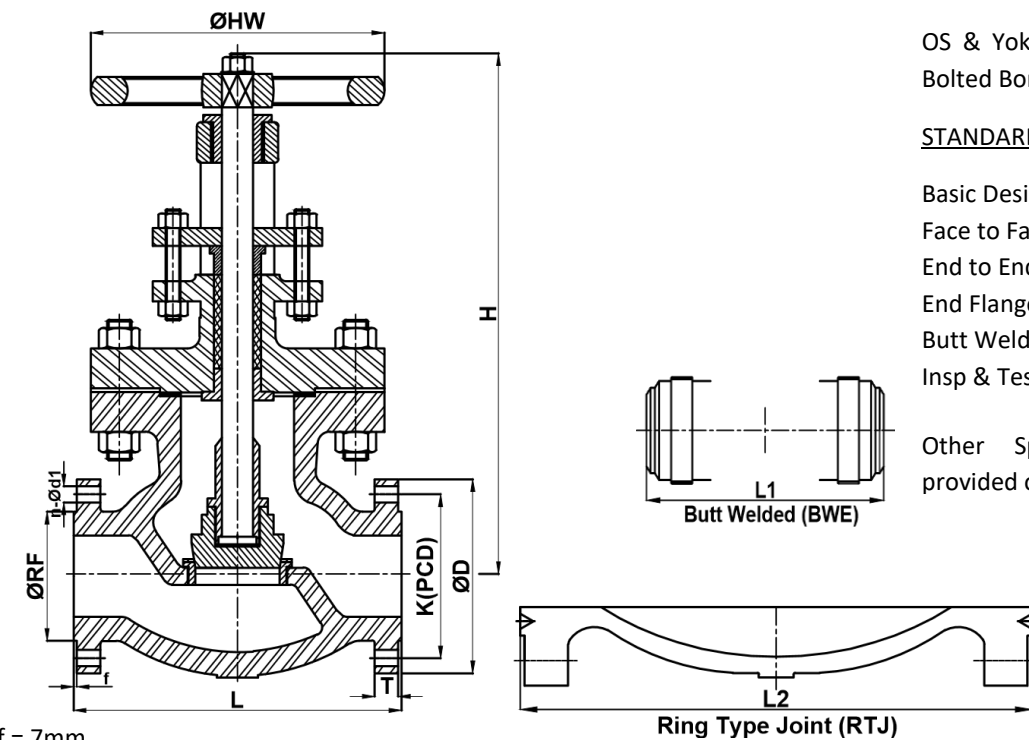
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves.



CAST STEEL GLOBE VALVE

CLASS 600



OS & Yoke, Rising Stem, Flexible Wedge,
Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be
provided on request.

DIMENSIONAL DATA 600#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	292	292	295	165	25.4	127	08	19	401	411	92	254	42.5
65	2 ½"	330	330	333	190	28.6	149.2	08	22.2	516	529	105	305	66
80	3"	356	356	359	210	31.8	168.3	08	22.2	531	551	127	305	88
100	4"	432	432	435	275	38.1	215.9	08	25.4	646	671	157	457	164.5
125	5"	508	508	511	330	44.4	266.7	08	28.6	751	782	185.7	508	-
150	6"	559	559	562	355	47.7	292.1	12	28.6	801	-	216	599	340
200	8"	660	660	663	420	55.6	349.2	12	31.8	831	-	270	610	495
250	10"	787	787	790	510	63.5	431.8	16	34.9	859	-	324	650	834
300*	12"	838.2	838.2	842	560	66.7	489	20	35	885	-	381	650	996
400*	16"	1194	1194	993	1197	76.2	603.2	20	41.2	-	-	470	-	-

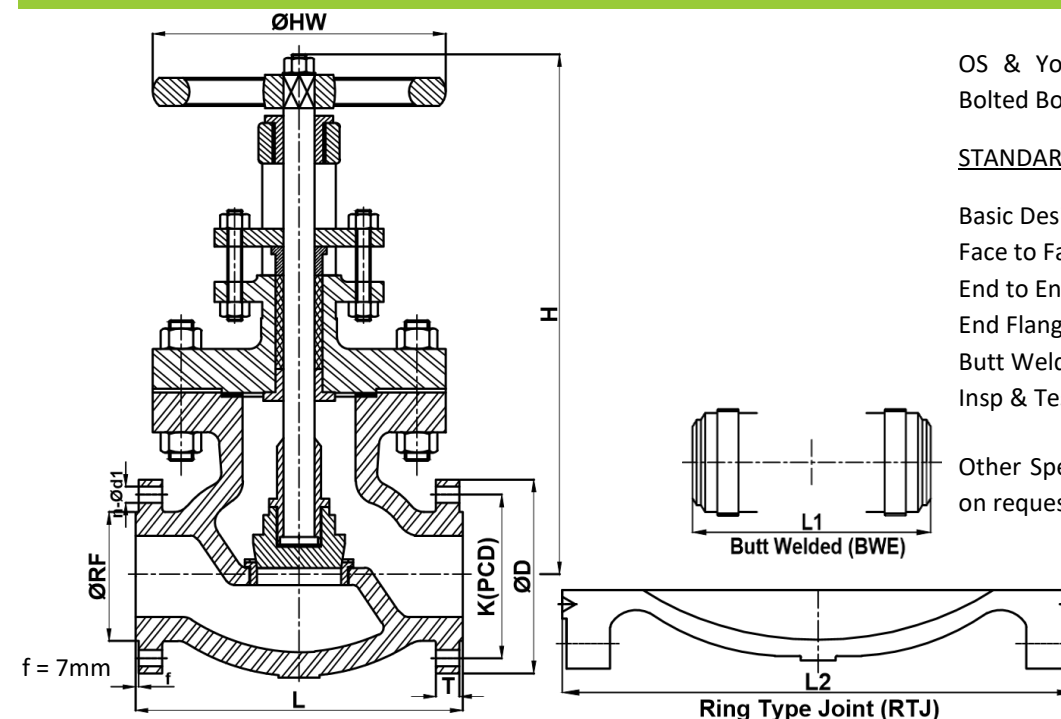
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST STEEL GLOBE VALVE

CLASS 900 & CLASS 1500



OS & Yoke, Rising Stem, Flexible Wedge,
Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided
on request.

DIMENSIONAL DATA 900#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	621	634	92	300	105.2
80	3"	381	381	384	240	38.1	190.5	08	25.4	691	811	127	300	162
100	4"	457.5	457.5	461	290	44.5	234.5	08	31.8	839	864	157	400	218
150*	6"	610	610	613	380	55.6	317.5	12	31.8	1146	-	216	450	603
200*	8"	736.6	736.6	740	470	63.5	393.7	12	38.1	1146	-	270	450	930
250*	10"	838	838	841	545	69.9	469.9	16	38.1	1301	-	324	450	1360
300*	12"	965	965	968	610	79.4	533.4	20	38.1	1401	-	381	450	1960

DIMENSIONAL DATA 1500#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	611	625	92	300	42
65	2 ½"	419	419	422	245	41.3	203.2	08	31.8	661	679	105	350	98
80*	3"	470	470	473	265	47.7	203.2	08	31.8	971	-	127	450	148.2
100*	4"	546	546	549	310	54	241.3	08	35	1139	-	157	450	174.5
150*	6"	705	705	711	345	82.6	317.5	12	38.1	1701	-	216	450	517
200*	8"	832	832	842	485	92.1	393.7	12	44.5	1790	-	270	450	1245
250*	10"	991	991	1001	585	108	482.6	12	50.8	1799	-	324	700	1475
300*	12"	1130	1130	1146	670	123.9	571.5	16	53.8	2201	-	381	700	1701.4

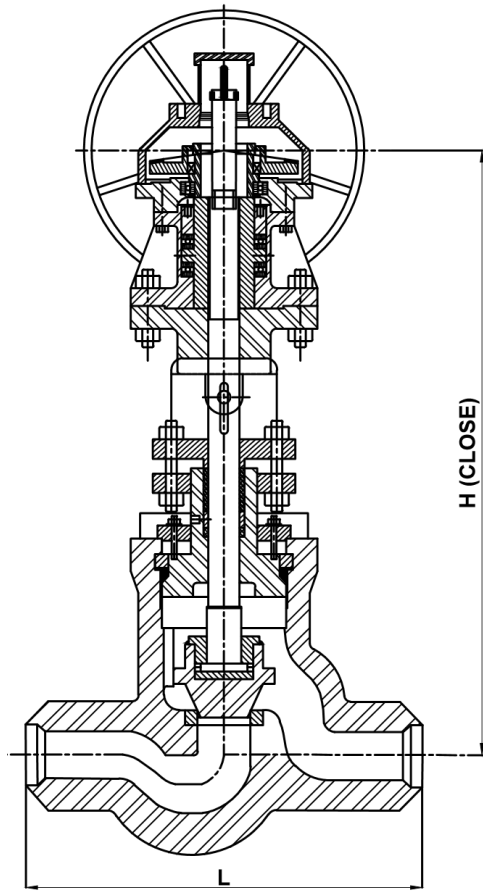
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

***For Gear Operated Valves.**



CAST STEEL GLOBE VALVE

CLASS 900

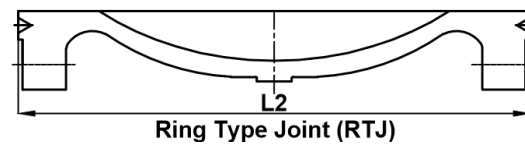
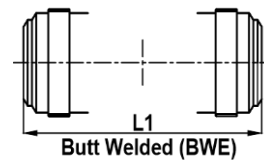


OS & Yoke, Rising Stem, Flexible Wedge,
Pressure Seal Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.



DIMENSIONAL DATA 900#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	621	634	92	300	105.2
80	3"	381	381	384	240	38.1	190.5	08	25.4	691	811	127	300	162
100	4"	457.5	457.5	461	290	44.5	234.5	08	31.8	839	864	157	400	218
150*	6"	610	610	613	380	55.6	317.5	12	31.8	1146	-	216	450	603
200*	8"	736.6	736.6	740	470	63.5	393.7	12	38.1	1146	-	270	450	930
250*	10"	838	838	841	545	69.9	469.9	16	38.1	1301	-	324	450	1360
300*	12"	965	965	968	610	79.4	533.4	20	38.1	1401	-	381	450	1960

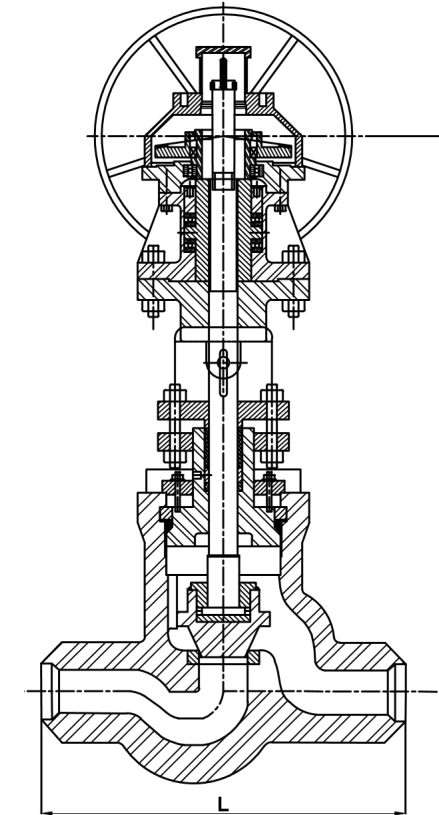
All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves.



CAST STEEL GLOBE VALVE

CLASS 1500 & CLASS 2500

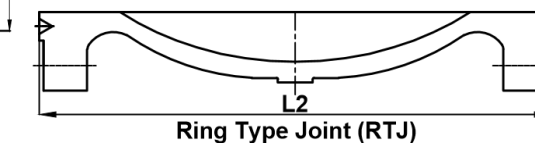
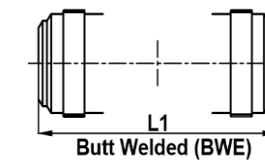


OS & Yoke, Rising Stem, Flexible Wedge,
Pressure Seal Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 2" ~ 24" to ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.



DIMENSIONAL DATA 1500#

DN	NPS	L	L1	L2	ØD	T	K (PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	368	368	371	215	38.1	165.1	08	25.4	611	625	92	300	42
65	2 ½"	419	419	422	245	41.3	203.2	08	31.8	661	679	105	350	98
80	3"	470	470	473	265	47.7	203.2	08	31.8	971	-	127	450	148.2
100	4"	546	546	549	310	54	241.3	08	35	1139	-	157	450	174.5
150*	6"	705	705	711	345	82.6	317.5	12	38.1	1701	-	216	450	517
200*	8"	832	832	842	485	92.1	393.7	12	44.5	1790	-	270	450	1245
250*	10"	991	991	1001	585	108	482.6	12	50.8	1799	-	324	700	1475
300*	12"	1130	1130	1146	670	123.9	571.5	16	53.8	2201	-	381	700	1701.4

DIMENSIONAL DATA 2500#

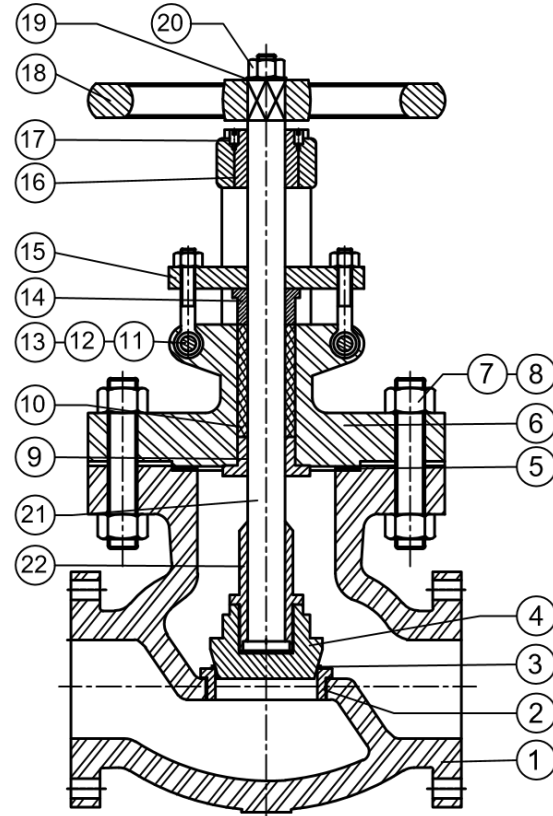
DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H close	H open	ØRF	ØHW	Approx wt.
50	2"	451	451	454	235	50.9	171.5	08	28.5	611	626	92	350	116
65	2 ½"	508	508	511	246	57.2	196.6	08	31.8	649	665	105	350	178.5
80*	3"	578	578	581	305	66.7	228.6	08	35.1	751	-	127	450	241
100*	4"	673	673	677	355	76.2	273	08	41.2	851	-	157	450	665
150*	6"	914	914	918	485	108	368.3	08	53.9	1099	-	216	700	1025
200*	8"	1022	1022	1027	550	165.1	438.2	12	53.9	1301	-	270	700	1499.5

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

*For Gear Operated Valves.



CAST IRON GLOBE VALVE



MATERIAL SPECIFICATION

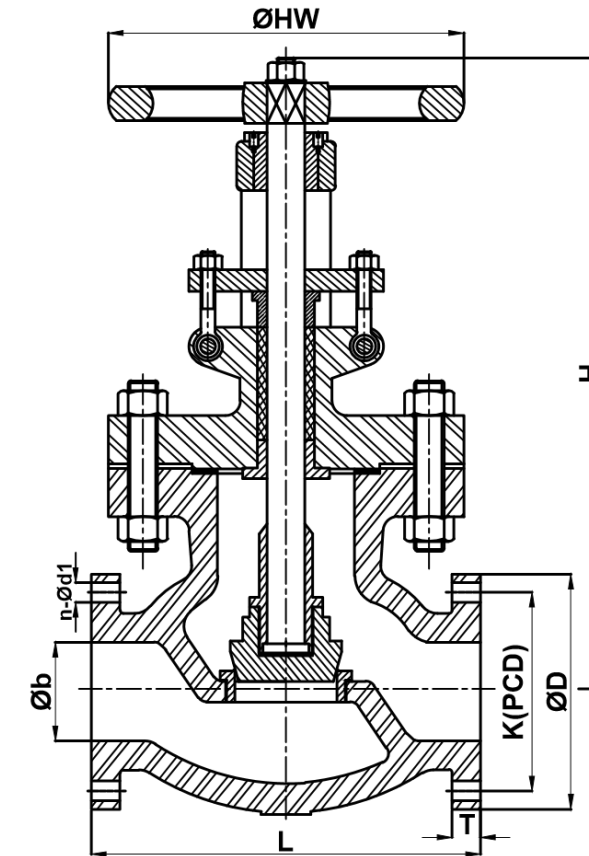
P. No.	PART DESCRIPTION	MATERIAL			
		GREY IRON		DUCTILE IRON	
1	BODY	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
2	SEAT RING	ASTM B62	13CR	ASTM B62	13CR
3	DISC SEAL RING	ASTM B62	13CR	ASTM B62	13CR
4	DISC	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
5	GASKET	GRAPHITE + STEEL			
6	BONNET	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
7	BONNET BOLT	ASTM A307			
8	BONNET NUT	CARBON STEEL			
9	BACK SEAT	ASTM B16	13CR	ASTM B16	13CR
10	PACKING	GRAPHITE			
11	GLAND EYE BOLT	CARBON STEEL			
12	GLAND NUT	CARBON STEEL			
13	PIN	CARBON STEEL			
14	PACKING GLAND	ASTM A307			
15	GLAND FOLLOWER	ASTM A536			
16	STEM NUT	Mn-BRASS			
17	SCREW	CARBON STEEL			
18	HANDWHEEL	ASTM A126 CL B			
19	WASHER	CARBON STEEL			
20	HANDWHEEL NUT	ASTM A536			
21	STEM	ASTM B16	13CR	ASTM B16	13CR
22	DISC COVER	CARBON STEEL			

Other Materials can be provided on request.



CAST IRON GLOBE VALVE

CLASS 125 (RISING STEM)



OS & Yoke, Rising Stem, Plug Disc, Bolted Bonnet, Rolled-in Disc Ring

STANDARD COMPLIANCE:

Basic Design: MSS SP-85

Face to Face Dimension: ANSI B16.10

End Flange Dimension: ASME B16.1

Insp & Testing: MSS SP-85

Other Special Requirement can be provided on request.

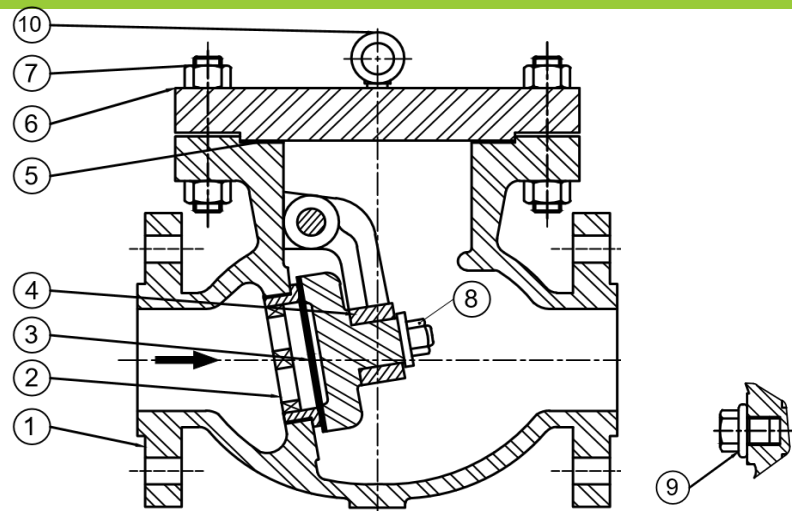
DIMENSIONAL DATA 125# (RISING STEM)

DN	NPS	Øb	L (FF)	K (PCD)	ØD	T	n	Ød1	H	ØHW	Approx. wt.
50	2"	51	203	120.7	152	15.8	04	19	298	200	17
65	2 ½"	64	216	139.7	178	17.5	04	19	314	200	21
80	3"	76	241	152.4	191	19	04	19	333	200	28
100	4"	102	292	190.5	229	23.9	08	19	353	250	42
125	5"	127	330	215.9	254	23.9	08	22	388	300	66
150	6"	152	356	241.3	279	25.4	08	22	427	300	80
200	8"	203	495	298.5	343	28.5	12	22	476	360	165
250	10"	254	622	362	406	30.2	12	25	539	450	290
300	12"	305	699	431.8	483	31.8	12	25	612	500	402

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST STEEL SWING CHECK VALVE



STANDARD MATERIAL COMBINATION

P. NO.	PART DESCRIPTION	Carbon steel to ASTM		Alloy steel to ASTM					Stainless steel to ASTM			
		Type WCB	Type LCB	Type WC1	Type WC6	Type WC9	Type C5	Type C12	Type CF8	Type CF8M	Type CF3	Type CF3M
1	BODY	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	BODY SEAT RING	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	DISC	As per Trim Material Combination										
4	HING	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	GASKET	Stainless Steel + Graphoil										
6	BONNET	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	STUDS & NUTS	A193 B7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
		A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
8	DISC NUT	Stainless Steel										
9	SIDE PLUG	Stainless Steel										
10	LIFTING HOOK	Carbon Steel										

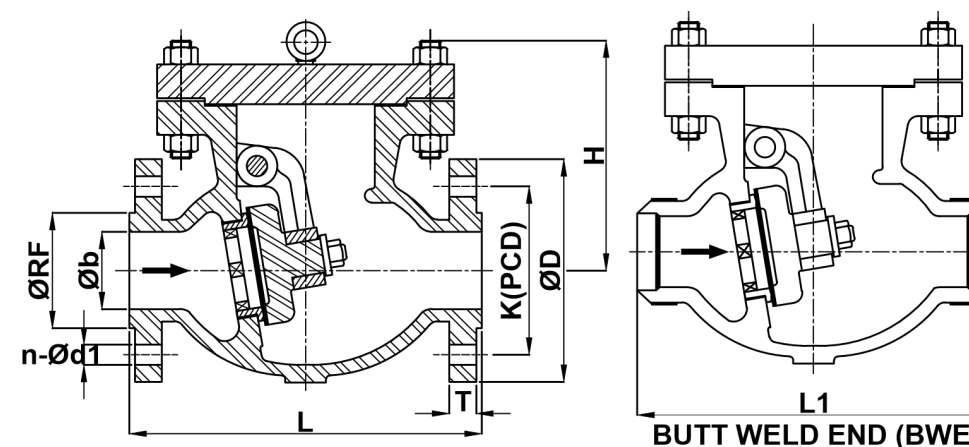
TRIM MATERIAL COMBINATION

Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI316	F316/AISI316	F316/AISI316
12	316+STELLITE	316	F316/AISI316	F316/AISI316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20



CAST STEEL SWING CHECK VALVE

CLASS 150

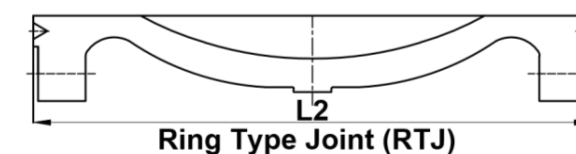


Bolted Cover, Swing Type Disc
Threaded or Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1868
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be
provided on request.



Ring Type Joint (RTJ)

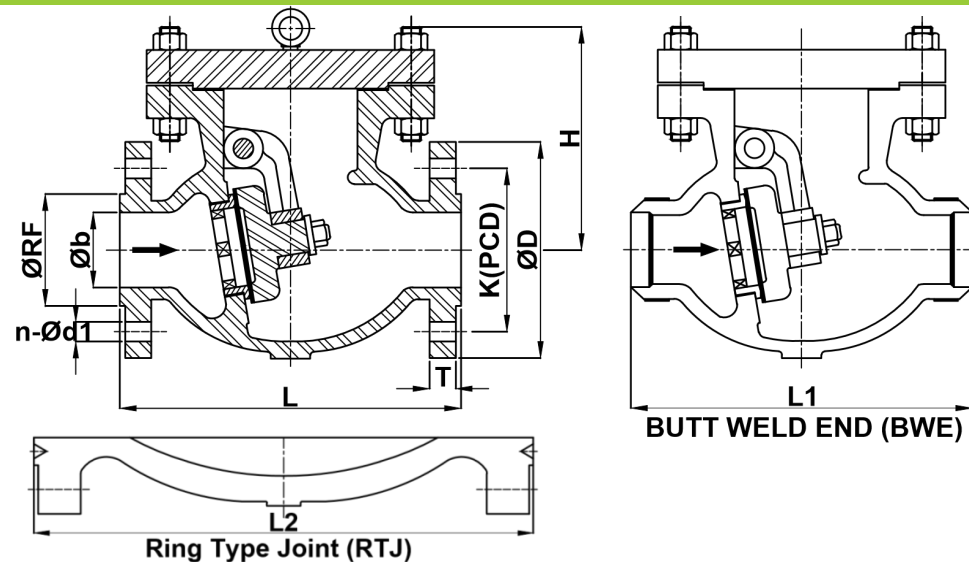
DIMENSIONAL DATA 150#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx wt.
40	1 ½"	165	165	178	125	12.7	98.4	04	15.9	131	38	74	12
50	2"	203	203	216	150	14.3	121.7	04	19	141	51	92	17
65	2 ½"	216	216	229	180	15.9	139.7	04	19	166	64	105	27.1
80	3"	241	241	254	190	17.5	152.4	04	19	169	76	127	34.5
100	4"	292	292	305	230	22.3	190.5	08	19	191	102	157	56
125	5"	330	330	343	255	22.3	215.9	08	22.2	229	127	185.7	76
150	6"	356	356	369	280	23.9	241.3	08	22.2	231	152	216	93
200	8"	495	495	508	345	27	298.5	08	22.2	262	203	270	159
250	10"	622	622	635	405	28.6	362	12	25.4	346	254	324	277
300	12"	698	698	711	485	30.2	431.8	12	25.4	357	300	381	580
350	14"	787	787	800	515	33.4	476.2	12	28.6	426	337	413	687
400	16"	864	864	877	595	35	539.8	16	28.6	469	387	470	715
450	18"	978	978	991	635	38.1	577.8	16	31.8	541	438	533	905
500	20"	978	978	991	300	41.3	635	20	31.8	601	489	584	986
600	24"	1295	1295	1308	815	46.1	749.3	20	34.9	681	591	692	1400

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST STEEL SWING CHECK VALVE CLASS 300 & CLASS 600



Bolted Cover, Swing Type Disc
Threaded or Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1868
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided on request.

DIMENSIONAL DATA 300#

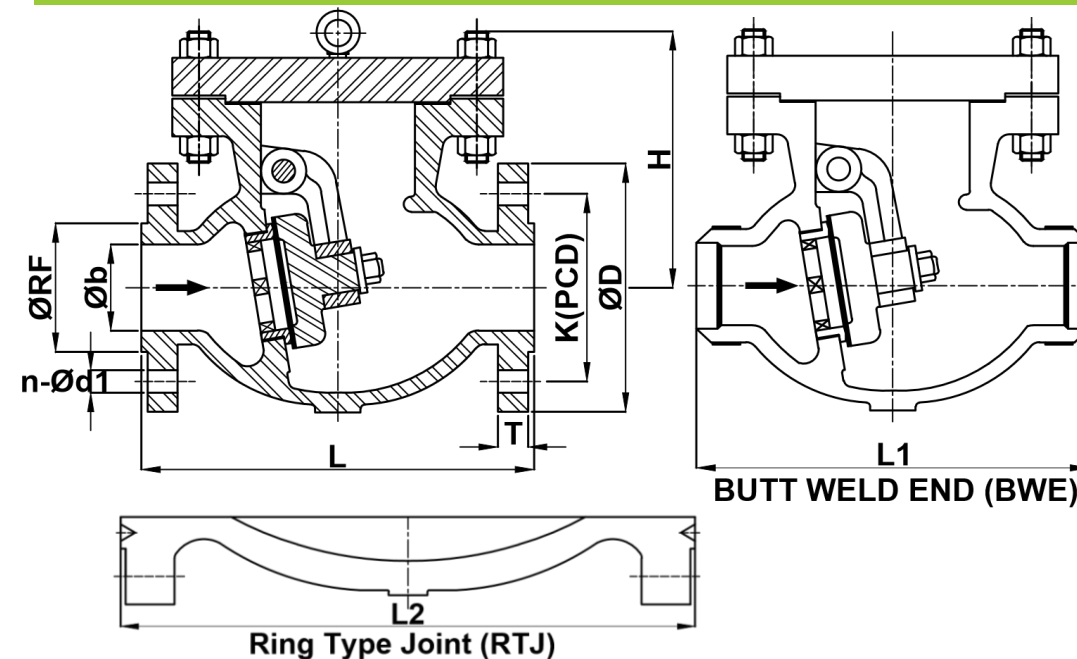
DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx wt.
40	1 1/2"	241	241	254	155	19.1	114.3	04	22.2	146	38	74	22.3
50	2"	267	267	283	165	20.7	127	08	19	171	51	92	29
65	2 1/2"	292	292	308	190	23.9	149.2	08	22.2	183	64	105	51.1
80	3"	318	318	334	210	27	168.8	08	22.2	201	76	127	54.5
100	4"	356	356	372	255	30.2	200	08	22.2	217	102	157	75
125	5"	400	400	416	280	33.4	235	08	22.2	320	127	185.7	161.5
150	6"	444	444	460	320	35	269.9	12	22.2	276	152	216	161.5
200	8"	533	533	549	380	39.7	330.2	12	25.4	333	203	270	240
250	10"	622	622	638	445	46.1	387.3	16	28.6	386	254	324	380
300	12"	711	711	727	520	49.3	450.8	16	31.8	456	305	381	584
350	14"	838	838	854	585	54.4	514.4	20	31.8	521	337	413	729
400	16"	864	864	880	650	55.6	571.5	20	35	786	387	470	865
450	18"	978	978	994	710	58.8	628.6	24	35	786	432	533	1158
500	20"	1016	1016	1035	775	62	685.3	24	35	868	483	584	1580
600	24"	1346	1346	1368	915	68.3	813	24	41	1027	584	692	1975

DIMENSIONAL DATA 600#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx wt.
40	1 1/2"	241	241	243	156	22.3	114.3	04	22.2	146	38	74	33.85
50	2"	292	292	295	165	25.4	127	08	19	171	51	92	42
65	2 1/2"	330	330	333	190	28.6	149.2	08	22.2	183	64	105	62.55
80	3"	356	356	359	210	31.8	168.3	08	22.2	201	76	127	65
100	4"	432	432	435	273	38.1	215.9	08	25.4	217	102	157	157
125	5"	508	508	511	330	44.4	266.7	08	28.6	321	127	185.7	233.5
150	6"	559	559	562	356	47.6	292.1	12	28.6	276	152	216	274
200	8"	660	660	663	419	55.6	349.2	12	31.8	333	200	270	472
250	10"	787	787	790	508	63.5	431.8	16	34.9	386	248	324	692
300	12"	838	838	841	559	66.7	489	20	34.9	456	298	381	875
350	14"	889	889	892	603	69.9	527	20	38.1	581	327	413	1270
400	16"	991	991	994	685.8	76.2	603.3	20	41.2	671	375	470	1346
450	18"	1092	1092	1095	743	82.6	654	20	44.5	751	419	533	2080
500	20"	1194	1194	1200	812.8	88.9	724	24	44.5	821	464	584	2746
600	24"	1397	1397	1419	940	101.6	838.2	24	50.8	1110	591	692	4275



CAST STEEL SWING CHECK VALVE CLASS 900 & CLASS 1500



Bolted Cover, Swing Type Disc
Threaded or Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1868
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

DIMENSIONAL DATA 900#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx. wt.
40	1 1/2"	305	305	308	178	31.8	124	04	28.6	189	38	74	47.7
50	2"	368.3	368.3	372	216	38.1	165.1	08	25.4	258	47.5	92	94.5
80	3"	381	381	384	241.3	38.1	190.5	08	25.4	303	73	127	128
100	4"	457.2	457.2	460	292.1	44.5	235	08	31.8	341	98.3	157	214.5
150	6"	609.6	609.6	613	381	55.6	317.5	12	31.8	420	146	216	388.5
200	8"	736.6	736.6	740	470	63.5	393.7	12	38.1	431	190.5	270	645
250	10"	838.2	838.2	841	546.1	69.9	469.9	16	38.1	551	238	324	1431
300	12"	965.2	965.2	968	609.6	79.4	533.4	20	38.1	646	283	381	1790
350	14"	1029	1029	1039	641.4	88.9	558.8	20	41.1	741	311	413	2464
400	16"	1130	1130	1140	704.9	88.9	616	20	44.4	781	356	470	3080

DIMENSIONAL DATA 1500#

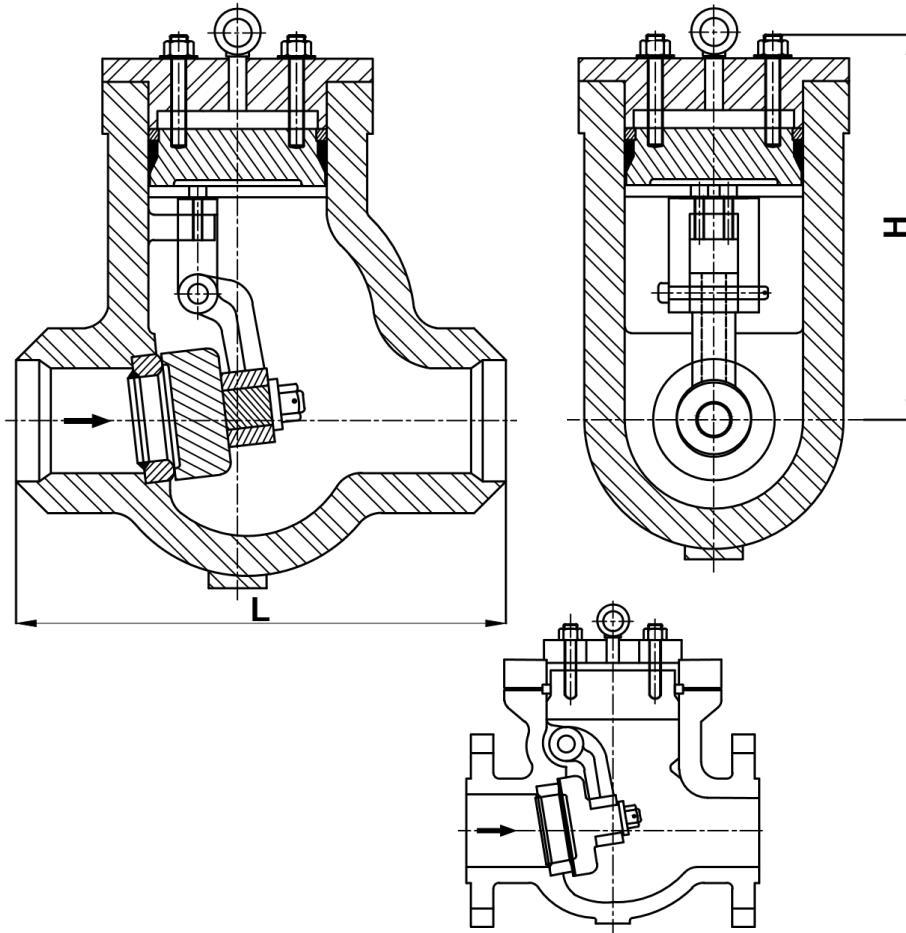
DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx wt.
50	2"	368.3	368.3	371	216	38.1	165.1	08	25.4	301	48	92	72
80	3"	470	470	473	266.7	47.7	203.2	08	31.8	449	70	127	104.8
100	4"	546	546	549	311.1	54	241.3	08	35	501	992	157	128.6
150	6"	705	705	711	393.7	82.6	317.5	12	38.1	599	137	216	330.8
200	8"	832	832	842	482.6	92.1	393.7	12	44.5	701	178	270	-
250	10"	990.6	990.6	1001	584.2	108	482.6	12	50.8	801	222	324	-
300	12"	1130.3	1130.3	1147	673.1	123.9	571.5	16	53.8	949	264	381	-
350	14"	1257.3	1257.3	1277	749.3	133.4	635	16	60.4	1019	289	413	-

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST STEEL SWING CHECK VALVE

CLASS 900



PRESSURE SEAL BONNET DESIGN

OS & Yoke, Rising Stem, Flexible Wedge,
Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be
provided on request.

DIMENSIONAL DATA 900#

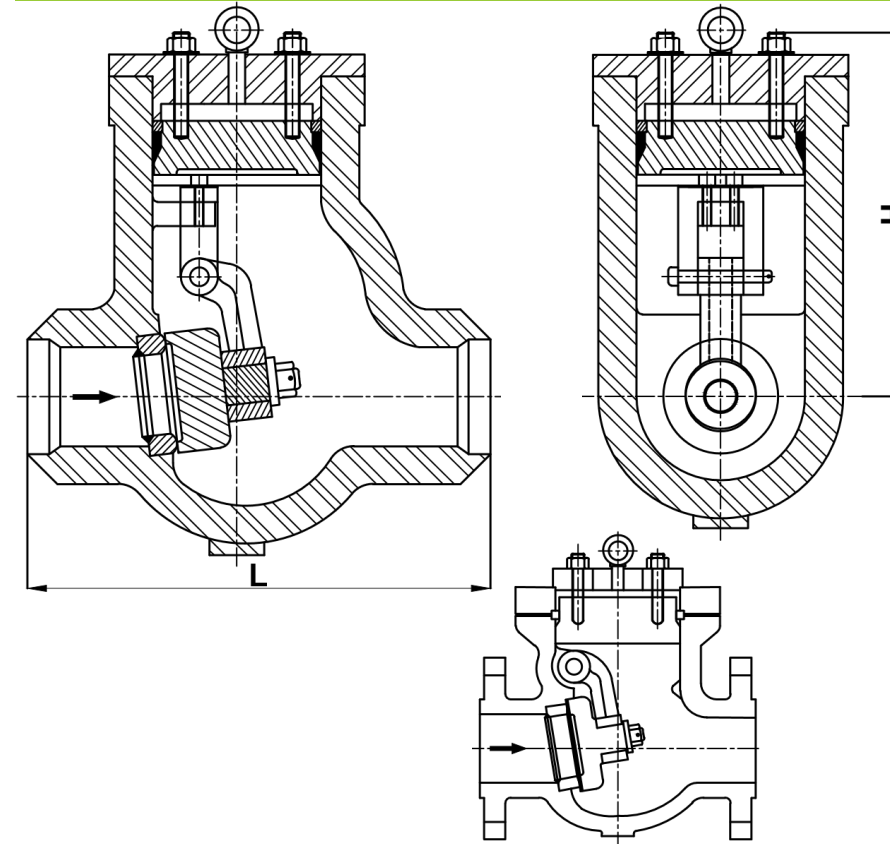
DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx. wt.
40	1 ½"	305	305	308	178	31.8	124	04	28.6	189	38	74	47.7
50	2"	368.3	368.3	372	216	38.1	165.1	08	25.4	258	47.5	92	94.5
80	3"	381	381	384	241.3	38.1	190.5	08	25.4	303	73	127	128
100	4"	457.2	457.2	460	292.1	44.5	235	08	31.8	341	98.3	157	214.5
150	6"	609.6	609.6	613	381	55.6	317.5	12	31.8	420	146	216	388.5
200	8"	736.6	736.6	740	470	63.5	393.7	12	38.1	431	190.5	270	645
250	10"	838.2	838.2	841	546.1	69.9	469.9	16	38.1	551	238	324	1431
300	12"	965.2	965.2	968	609.6	79.4	533.4	20	38.1	646	283	381	1790
350	14"	1029	1029	1039	641.4	88.9	558.8	20	41.1	741	311	413	2464
400	16"	1130	1130	1140	704.9	88.9	616	20	44.4	781	356	470	3080

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST STEEL SWING CHECK VALVE

CLASS 1500 & CLASS 2500



PRESSURE SEAL BONNET DESIGN

OS & Yoke, Rising Stem, Flexible Wedge,
Bolted Bonnet, Welded Seat Ring

STANDARD COMPLIANCE:

Basic Design: BS 1873 / ASME 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: ASME B16.5
Butt Weld Ends: ASME B16.25
Insp & Testing: API 598

Other Special Requirement can be provided
on request.

DIMENSIONAL DATA 1500#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx. wt.
50	2"	368.3	368.3	371	216	38.1	165.1	08	25.4	301	48	92	72
80	3"	470	470	473	266.7	47.7	203.2	08	31.8	449	70	127	104.8
100	4"	546	546	549	311.1	54	241.3	08	35	501	992	157	128.6
150	6"	705	705	711	393.7	82.6	317.5	12	38.1	599	137	216	330.8
200	8"	832	832	842	482.6	92.1	393.7	12	44.5	701	178	270	-
250	10"	990.6	990.6	1001	584.2	108	482.6	12	50.8	801	222	324	-
300	12"	1130.3	1130.3	1147	673.1	123.9	571.5	16	53.8	949	264	381	-
350	14"	1257.3	1257.3	1277	749.3	133.4	635	16	60.4	1019	289	413	-

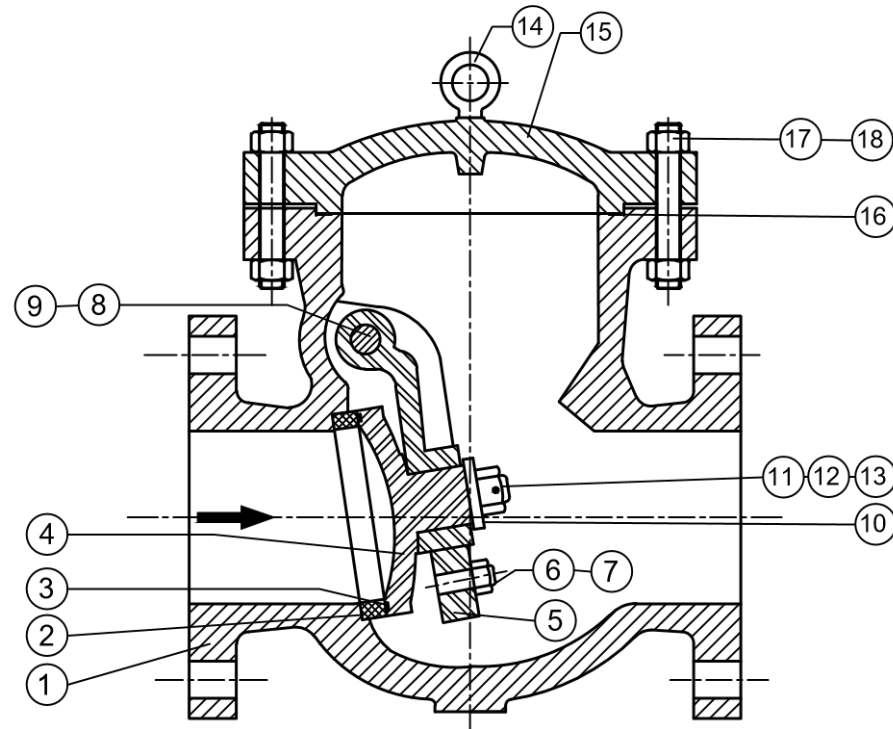
DIMENSIONAL DATA 2500#

DN	NPS	L	L1	L2	ØD	T	K(PCD)	n	Ød1	H	Øb	ØRF	Approx. wt.
50	2"	450	450	453	235	50.9	171.5	08	28.4	356	38	92	45
80	3"	578	578	584	304.8	66.7	228.6	08	35	499	57	127	78
100	4"	673	673	683	355.6	76.2	273	08	41.1	531	73	157	120
150	6"	914	914	927	482.6	108	368.3	08	53.8	669	111	216	295
200	8"	1022	1022	1038	552.5	127	438.1	12	53.8	731	146	270	450
250	10"	1270	1270	1292	673.1	165.1	539.8	12	66.5	811	184	324	865
300	12"	1422	1422	1444	762	184.2	619.2	12	73.1	971	219	381	1075

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CAST IRON SWING CHECK VALVE



MATERIAL SPECIFICATION

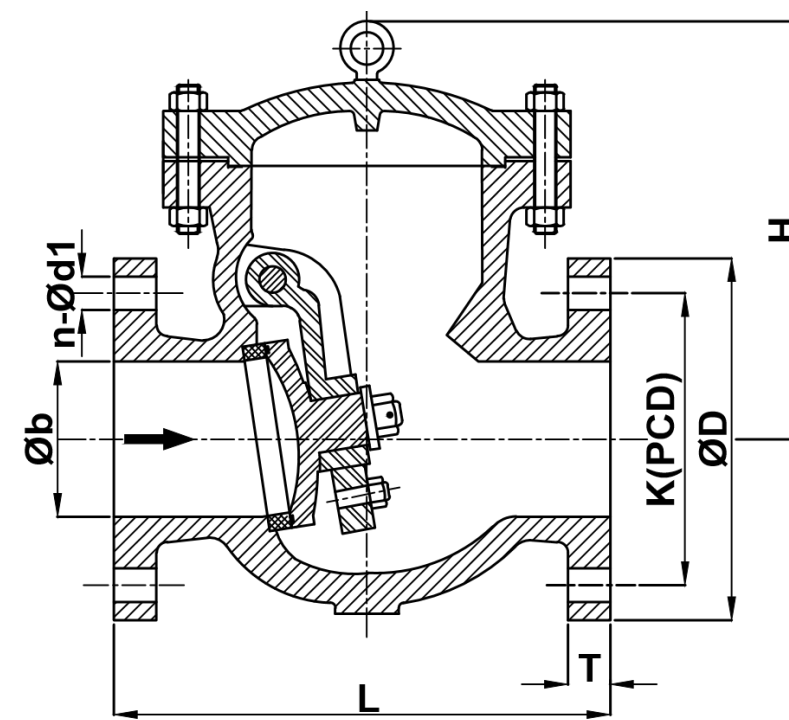
P. No.	PART DESCRIPTION	MATERIAL			
		GREY IRON		DUCTILE IRON	
1	BODY	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
2	SEAT RING	ASTM B62	13CR	ASTM B62	13CR
3	DISC SEAL RING	ASTM B62	13CR	ASTM B62	13CR
4	DISC	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
5	HINGE	ASTM A216 WCB			
6	ADJUSTING SCREW	CARBON STEEL			
7	NUT	CARBON STEEL			
8	HINGE PIN	13 CR			
9	PLUG	ASTM A536			
10	WASHER	CARBON STEEL			
11	DISC NUT	CARBON STEEL			
12	DISC STUD	CARBON STEEL			
13	SPLIT PIN	SS 304			
14	EYE SCREW	CARBON STEEL			
15	COVER	ASTM A126 CL B	ASTM A126 CL B	ASTM A536	ASTM A536
16	GASKET	GRAPHITE + STEEL			
17	BOLT	ASTM A307			
18	NUT	CARBON STEEL			

Other Materials can be provided on request.



CAST IRON SWING CHECK VALVE

CLASS 125



Swing Disc, Bolted Cover, Rolled-in Ring

STANDARD COMPLIANCE:

Basic Design: MSS SP-71
Face to Face Dimension: ANSI B16.10
End Flange Dimension: ANSI B16.1
Butt Weld Ends: ASME B16.25
Insp. & Testing: MSS SP-71

Other Special Requirement can be provided on request.

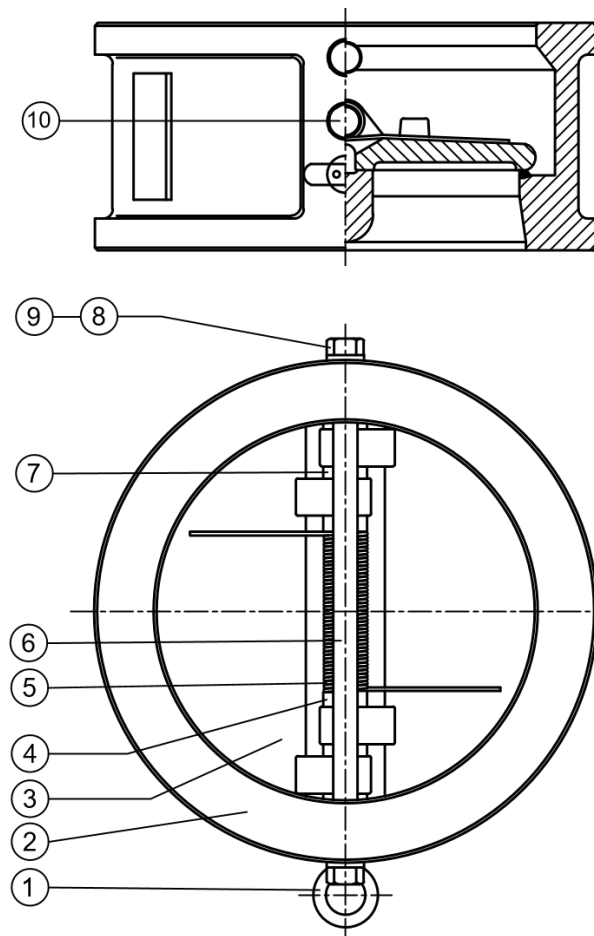
DIMENSIONAL DATA 125#

DN	NPS	Øb	L	K (PCD)	ØD	T	n	Ød1	H	Approx. wt.
50	2"	51	203	120.7	152	15.8	04	19	153	17.6
65	2 ½"	64	216	139.7	178	17.5	04	19	162	20.5
80	3"	76	241	152.4	191	19	04	19	176	28
100	4"	102	292	190.5	229	23.9	08	19	220	45
125	5"	127	330	215.9	254	23.9	08	22	226	60
150	6"	152	356	241.3	279	25.4	08	22	256	77
200	8"	203	495	298.5	343	28.5	08	22	298	128
250	10"	254	622	362	406	30.2	12	25	376	199
300	12"	305	699	431.8	483	31.8	12	25	410	308
350	14"	356	787	476.3	533	35	12	29	444	500
400	16"	406	914	539.8	597	36.6	16	29	501	680
450	18"	457	914	577.9	635	39.6	16	32	698	780
500	20"	508	1016	635	699	42.9	20	32	742	1000
600	24"	610	1219	749.3	813	47.8	20	35	844	1600
750	30"	762	1327	914.4	984	53.9	28	35	890	2300
800	32"	800	1359	977.9	1060	60	28	41	940	2600

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



CHECK VALVE



MATERIAL SPECIFICATION

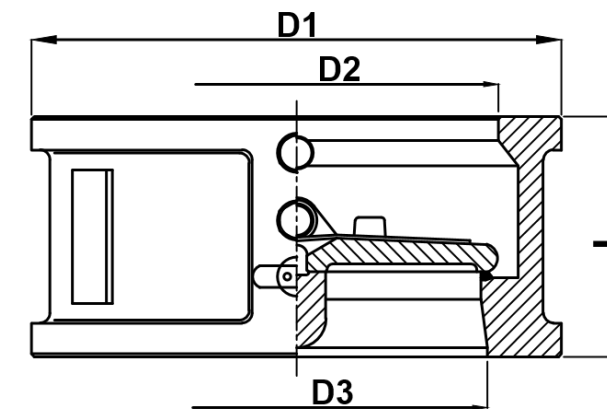
P. No.	PART DESCRIPTION	MATERIAL				
		A216 WCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
1	HOCK BOLT	CARBON STEEL	SS 304	SS316	SS304L	SS316L
2	BODY	A216 WCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	DISC	A216 CA15	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	SPRING SEAT	A276 420	SS 304	SS316	SS304L	SS316L
5	SPRING	INCONEL X-750				
6	STOP PIN	A276 420	SS 304	SS316	SS304L	SS316L
7	PLATE-LUG BEARING	A276 420	SS 304	SS316	SS304L	SS316L
8	RETAINER	A276 420	SS 304	SS316	SS304L	SS316L
9	GASKET	A276 420	SS 304	SS316	SS304L	SS316L
10	HINGE PIN	A276 420	SS 304	SS316	SS304L	SS316L

Other Materials can be provided on request.



WAFER CHECK VALVE

CLASS 150 & CLASS 300



DIMENSIONAL DATA 150#

DN	NPS	L	D1	D2	D3	Approx. wt.
50	2"	60	103	56	51	2
65	2 ½"	67	122	73	65	3
80	3"	73	135	88	80	4
100	4"	73	173	108	102	6
125	5"	86	195	132	127	8
150	6"	98	220	160	152	13
200	8"	127	277	210	203	25
250	10"	146	337	266	254	39
300	12"	181	407	310	305	54
350	14"	184	448	355	350	80
400	16"	191	512	405	400	117
450	18"	203	547	455	450	138
500	20"	219	604	505	500	163
600	24"	222	715	605	600	331
700	28"	305	773	700	700	380
750	30"	305	824	750	746	425
800	32"	305	878	800	796	560
900	36"	368	983	910	898	640
1050	42"	432	1142	1055	1050	960
1200	48"	524	1302	1205	1200	1400

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

DIMENSIONAL DATA 300#

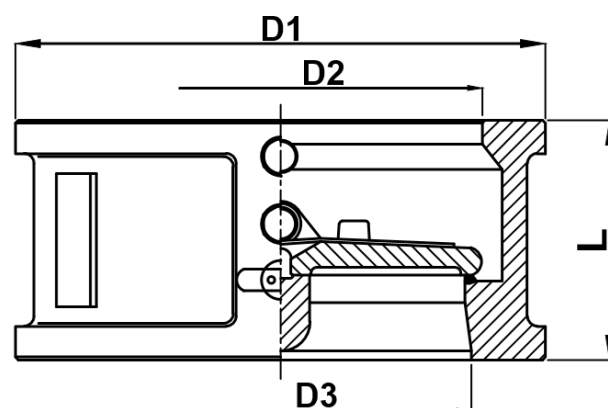
DN	NPS	L	D1	D2	D3	Approx. wt.
50	2"	60	110	58	51	3
65	2 ½"	67	128	73	65	4
80	3"	73	147	88	80	6
100	4"	73	179	108	102	8
125	5"	86	214	132	127	15
150	6"	98	249	160	152	18
200	8"	127	305	210	203	31
250	10"	146	359	266	254	51
300	12"	181	420	310	305	77
350	14"	222	483	355	350	117
400	16"	232	537	405	400	190
450	18"	264	594	455	450	200
500	20"	292	652	505	500	365
600	24"	318	772	608	600	410
750	30"	368	882	740	735	660
900	36"	483	1044	880	873	1020
1050	42"	568	1196	105	1035	1540
1200	48"	629	1365	1190	1179	2260

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



WAFER CHECK VALVE

CLASS 600



DIMENSIONAL DATA 600#

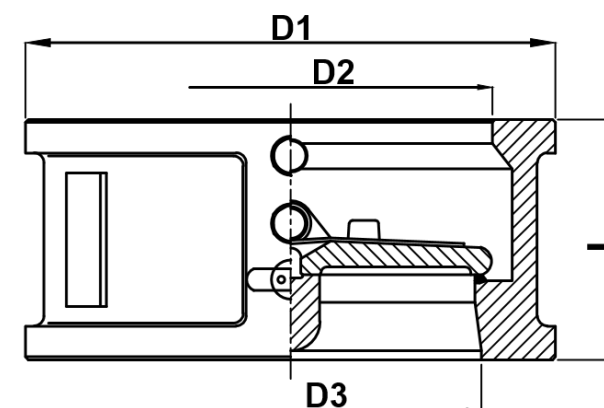
DN	NPS	L	D1	D2	D3	Approx. wt.
50	2"	60	110	58	51	4
65	2 ½"	67	128	73	65	5
80	3"	73	147	88	80	8
100	4"	79	191	108	102	11
125	5"	105	239	136	127	20
150	6"	136	264	162	152	26
200	8"	165	318	212	203	55
250	10"	213	398	266	250	95
300	12"	229	455	312	305	140
350	14"	273	490	355	337	223
400	16"	305	562	405	387	360
450	18"	362	610	450	438	395
500	20"	368	680	500	489	518
600	24"	438	786	600	591	836

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.



WAFER CHECK VALVE

CLASS 900 & CLASS 1500



DIMENSIONAL DATA 900#

DN	NPS	L	D1	D2	D3	Approx. wt.
50	2"	70	140	56	51	8
65	2 ½"	83	162	73	65	11
80	3"	83	165	90	80	14
100	4"	102	204	108	102	20
125	5"	110	245	132	127	30
150	6"	159	286	162	150	42
200	8"	206	356	212	200	84
250	10"	241	432	266	250	145
300	12"	292	495	312	305	220
350	14"	356	518	355	337	350
400	16"	384	572	400	387	470
450	18"	451	635	455	438	605
500	20"	451	695	496	487	820
600	24"	495	835	600	591	1050

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.

DIMENSIONAL DATA 1500#

DN	NPS	L	D1	D2	D3	Approx. wt.
50	2"	70	140	58	51	8
65	2 ½"	83	162	73	65	11
80	3"	83	172	90	80	19
100	4"	102	207	108	102	26
125	5"	110	252	136	127	51
150	6"	159	280	162	152	68
200	8"	206	350	212	200	130
250	10"	248	433	266	254	210
300	12"	305	518	312	305	384
350	14"	356	576	355	337	550
400	16"	384	639	400	387	635

All Dimensions are in mm & Weight given in Kg.
Other sizes valves can be provided on request.