



IAS ACCREDITED
Management Systems
Certification Body
MSCB-113



GIS-5606-QC/EC
ISO 9001:2015
ISO 14001:2015

SGV
SMART GREEN VALVE

에스지밸브(주)
www.sgvalve.co.kr

INTRODUCTION

Our company is called Smart Green Valve (SGV) that specializes in stainless and alloy steel valves.

SGV was established in 1983 and has been manufacturing and selling special valves in Korea and also abroad until the present day

Our company has recruited professional technicians from (Formal) CVC Valve and started brand new as SGV, manufacturing company.

We have accumulated technology and know-how for 40 years.

We are a valve company that reflects the experience of the CEO who has operated the ball valve manufacturing process for over 35 years.

Among other products we manufacture and sell api 603, api 600, gate, globe, check valve, bellows seal valve, jacketed, automation valve.

We ask for your support and use and we will repay you with the best quality.

Thank you.

president Y. G. KIM

COMPANY HISTORY

1983.12 Established SUNWON valve company in GAE–GUM, Pusan, Korea

1984.05 Expansion of stainless steel valve machining facilities

1987.10 Moved factory in Hak–jang, Pusan, Korea

1998.10 Expansion of stainless steel valve machining facilities

2021.10 The operation SGV(smart green valve)of acquiring blue–chip
assets from the CVC(corea valve company)

2021.10 Received certification of Excellent Technology Enterprise(T–5)

2021.12 Received certification of ISO 9001 Quality system

2021.12 Received certification of ISO 14001 Environmental
Management system

CONTENTS

STAINLESS STEEL GATE VALVES BB., OS & Y.

1. GATE VALVES PARTS LIST

- 2. GATE VALVES 150Lb
- 3. GATE VALVES 300Lb
- 4. GATE VALVES 600Lb
- 5. GATE VALVES 900Lb
- 6. GATE VALVES 1500Lb

- GT-1
- GT-2
- GT-3
- GT-4
- GT-5
- GT-6

PRESSURE SEAL BONNET GATE VALVES OS & Y.

7. GATE VALVES PARTS LIST

- 8. GATE VALVES 600Lb
- 9. GATE VALVES 900Lb
- 10. GATE VALVES 1500Lb

- GT-7
- GT-8
- GT-9
- GT-10

STAINLESS STEEL GLOBE VALVES BB., OS & Y.

11. GLOBE VALVES PARTS LIST

- 12. GLOBE VALVES 150Lb
- 13. GLOBE VALVES 300Lb
- 14. GLOBE VALVES 600Lb
- 15. GLOBE VALVES 900Lb
- 16. GLOBE VALVES 1500Lb

- GL-1
- GL-2
- GL-3
- GL-4
- GL-5
- GL-6

PRESSURE SEAL BONNET GLOBE VALVES BB., OS & Y.

- 17. GLOBE VALVES PARTS LIST
- 18. GLOBE VALVES 600Lb
- 19. GLOBE VALVES 900Lb
- 20. GLOBE VALVES 1500Lb

- GL-7
- GL-8
- GL-9
- GL-10

STAINLESS STEEL SW/CH VALVES BB., OS & Y.

21. SW/CH VALVES PARTS LIST

- 22. SW/CH VALVES 150Lb
- 23. SW/CH VALVES 300Lb
- 24. SW/CH VALVES 600Lb
- 25. SW/CH VALVES 900Lb
- 26. SW/CH VALVES 1500Lb

- swch-1
- swch-2
- swch-3
- swch-4
- swch-5
- swch-6

PRESSURE SEAL BONNET GLOBE VALVES BB., OS & Y.

- 27. SW/CH VALVES PARTS LIST
- 28. SW/CH VALVES 600Lb
- 29. SW/CH VALVES 900Lb
- 30. SW/CH VALVES 1500Lb

- swch-7
- swch-8
- swch-9
- swch-10

CONTENTS

PRESSURE SEAL BONNET Y-GLOBE VALVES OS & Y.

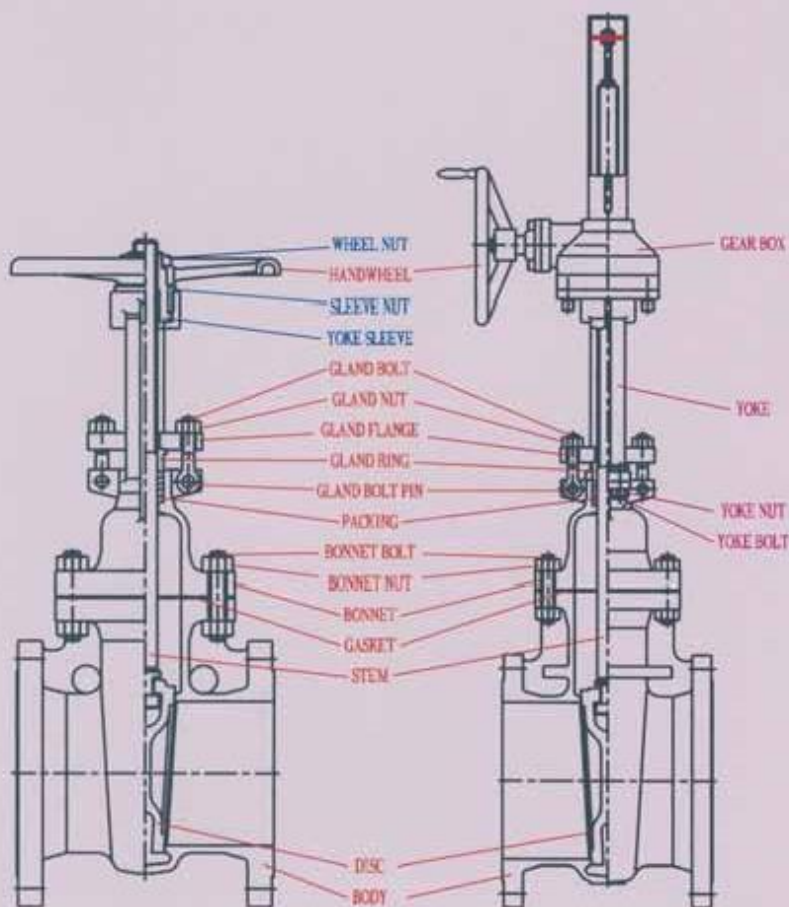
31. Y-GLOBE VALVES PARTSLIST	-----	yGL-1
32. Y-GLOBE VALVES 600Lb	-----	yGL-2
33. Y-GLOBE VALVES 900Lb	-----	yGL-3
34. Y-GLOBE VALVES 1500Lb	-----	yGL-4

REDUCE BORE BALL VALVES, 1-PIECE

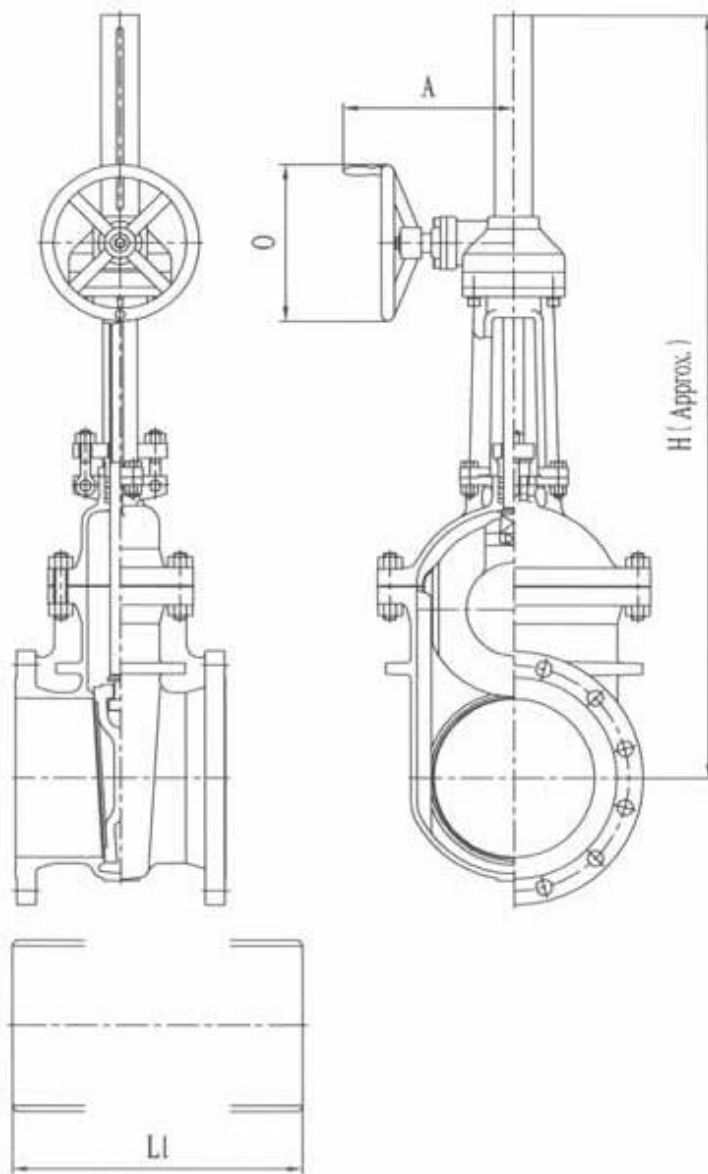
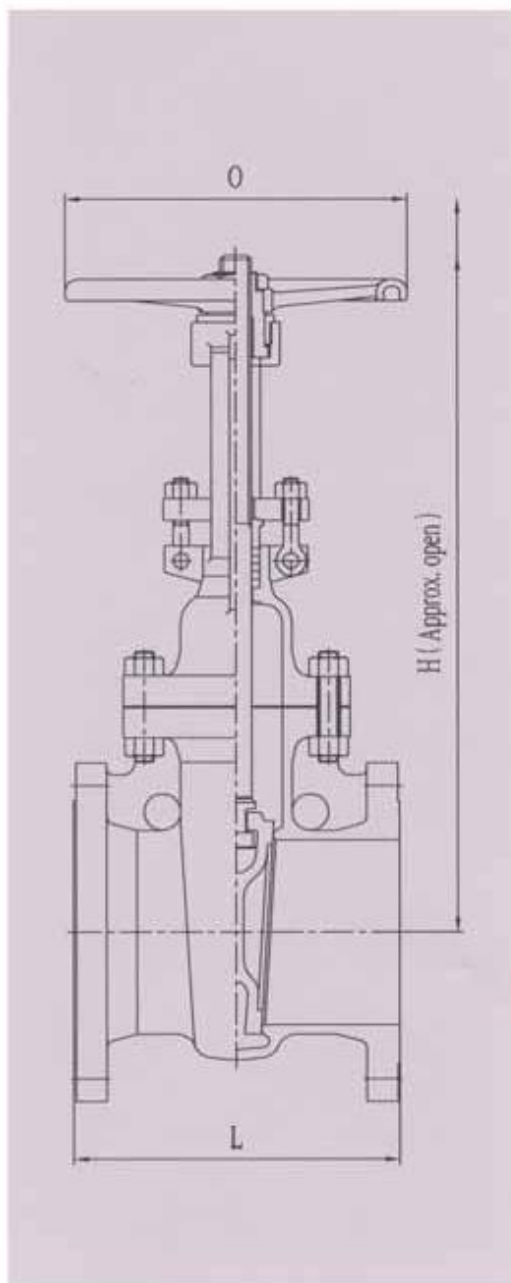
35. REDUCE BORE BALL VALVES PARTS LIST	-----	Rb-1
36. REDUCE BORE BALL VALVES 150Lb	-----	Rb-2
37. REDUCE BORE BALL VALVES 300Lb	-----	Rb-3

SPECIFICATION

BASIC DESIGN	API 603 OR ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 OR ASME B16.47
TESTED BY	API 598

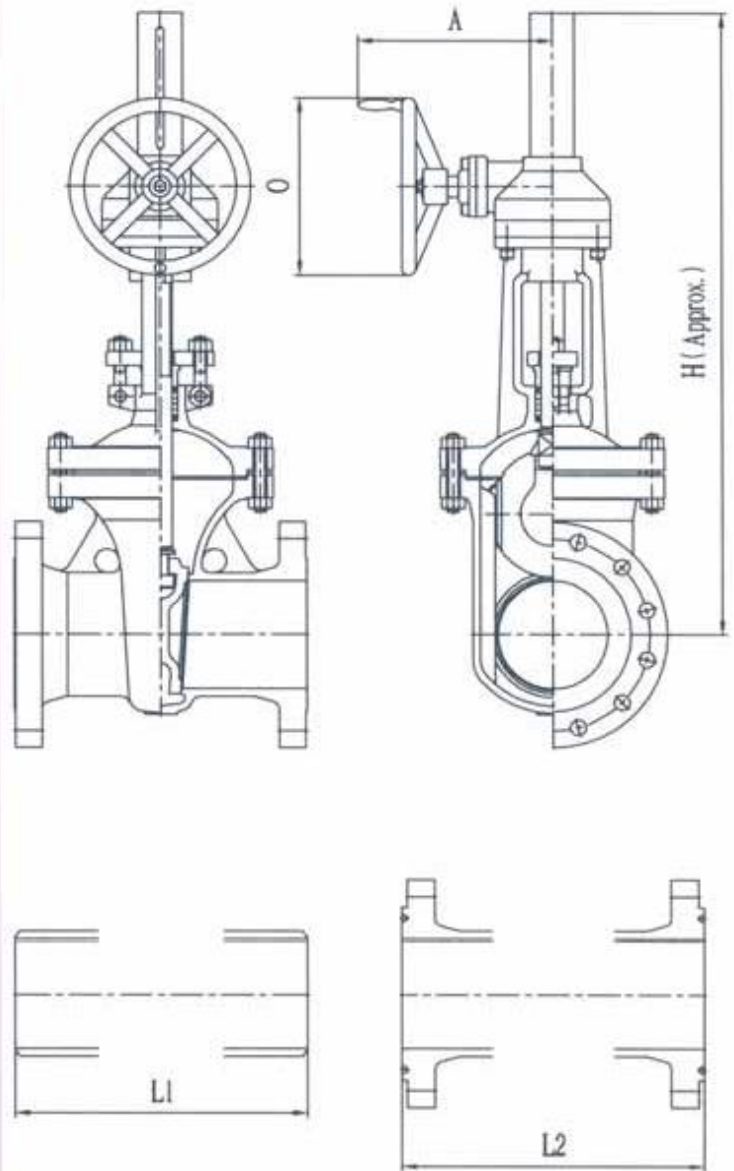
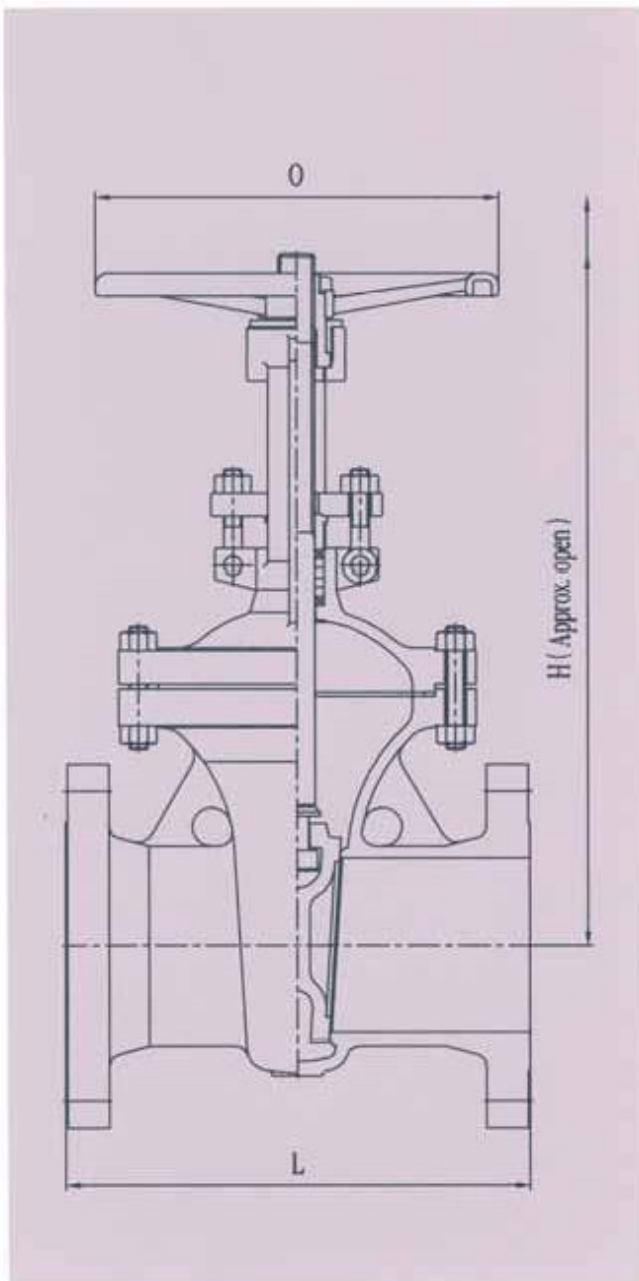


DESCRIPTION	MATERIAL					
BODY	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
BONNET	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
DISC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF3C	A351 CN7M
YOKE	A351 CF8					
STEM	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
GLAND RING	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
GLAND FLANGE	A351 CF8					
YOKE SLEEVE	A439 D2C OR A276 420J2 (HRC 55)					
SLEEVE NUT	A276 304 OR A351 CF8					
HAND WHEEL	DUCTILE IRON OR STEEL PIPE (GEARTYPE ONLY)					
WHEEL NUT	A194 8					
BONNET BOLT	A193 B8					
BONNET NUT	A194 8					
YOKE BOLT	A193 B8					
YOKE NUT	A194 8					
GLAND BOLT PIN	A276 304					
GLAND BOLT	A193 B8					
GLAND NUT	A194 8					
GEAR BOLT	A193 B8					
GEAR BOX	ASSEMBLY (CARBON STEEL)					
PACKING	GRAFOIL (OTHER MATERIALS ARE AS SPECIFIED PURCHASE ORDER)					
GASKET	SPIRAL WOUND (OTHER TYPES ARE AS SPECIFIED PURCHASE ORDER)					
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER (EX. HASTELLOY, MONEL, OTHER A351 MATERIAL)						



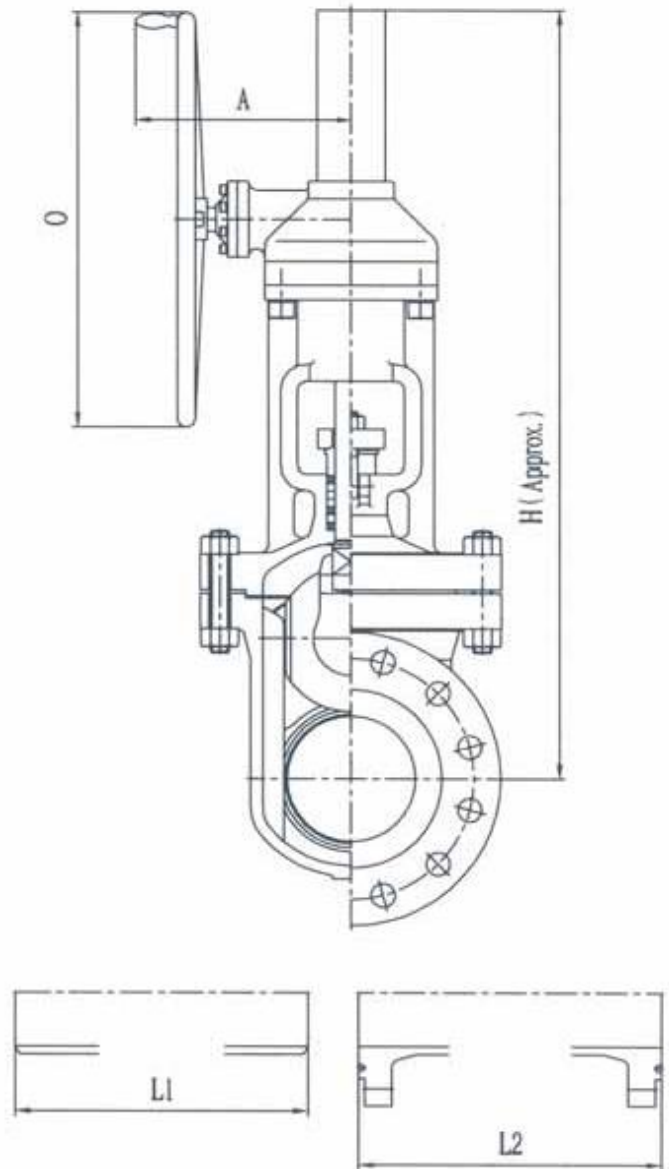
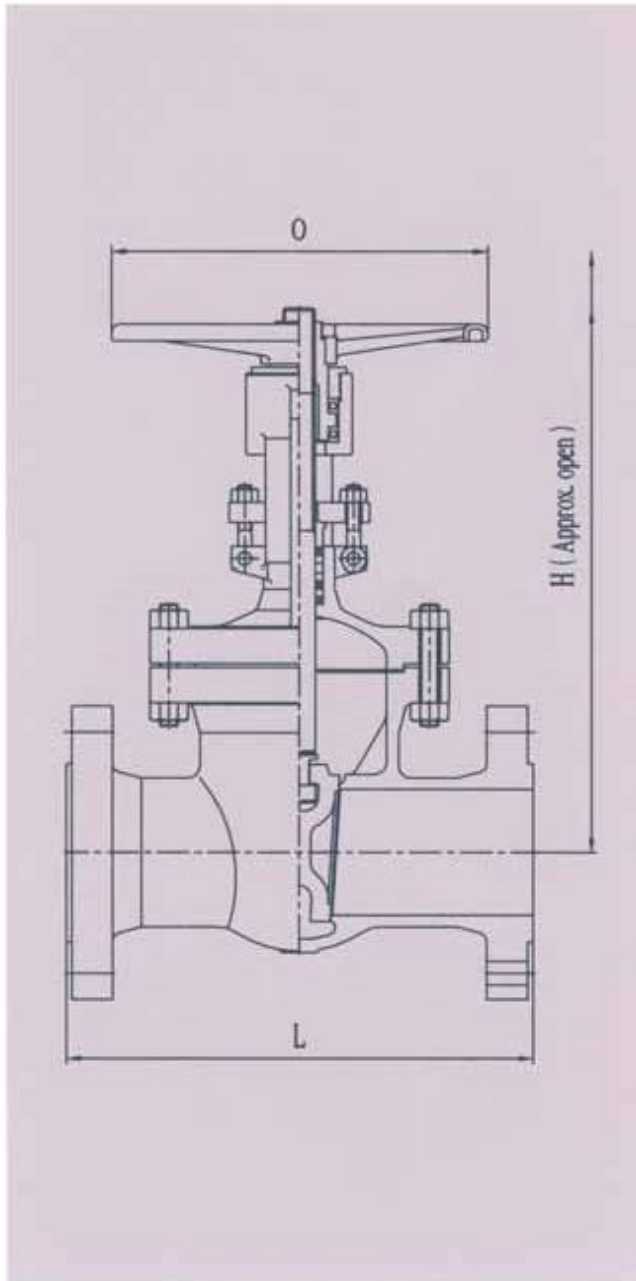
UNIT : mm

VALVE SIZE		½"	¾"	1"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L		108	117	127	165	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610	711
L1		108	117	127	165	216	241	282	305	381	403	419	457	502	572	610	660	711	813	914	1016
A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	332	362	362	414	468
O		90	90	100	140	160	180	200	225	250	250	300	350	400	450	500	500	630	630	710	800
H		183	190	210	270	320	375	445	523	606	710	910	1120	1325	1540	1720	2110	2330	2790	3420	4120
WEIGHT (KGF)	RF	3	4.5	6.5	11	13	19	26	39	53	67	108	165	225	300	390	510	740	940	2040	3110
	BW	-	-	-	-	11	16	22	36	47	58	89	149	204	276	363	472	705	1023	2120	3185



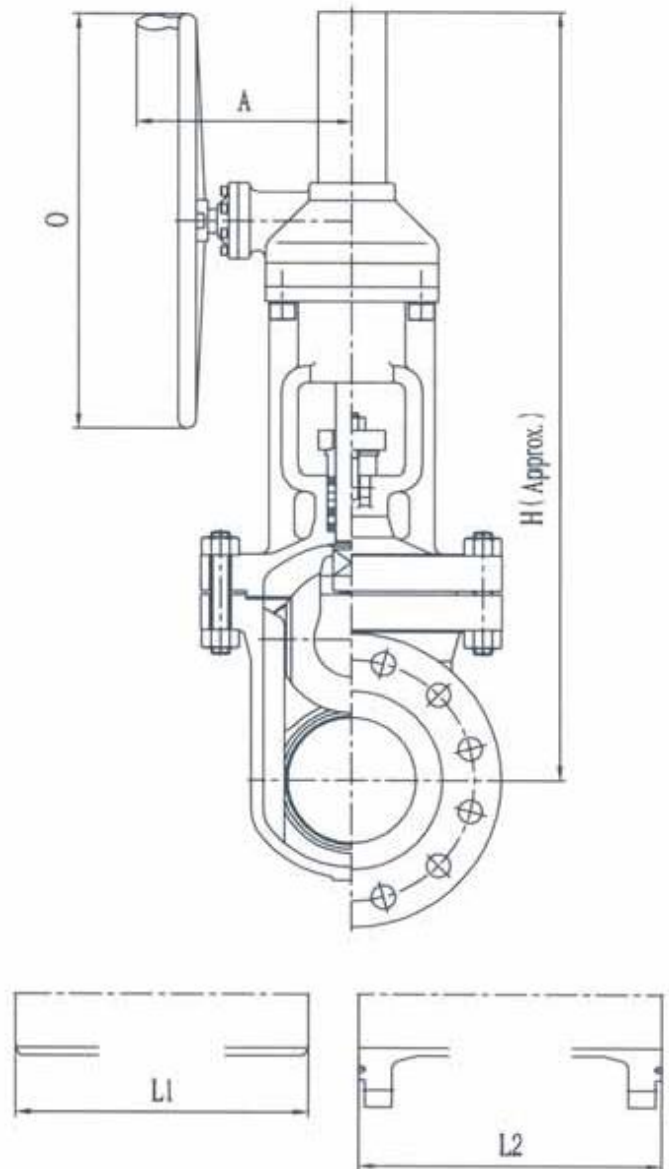
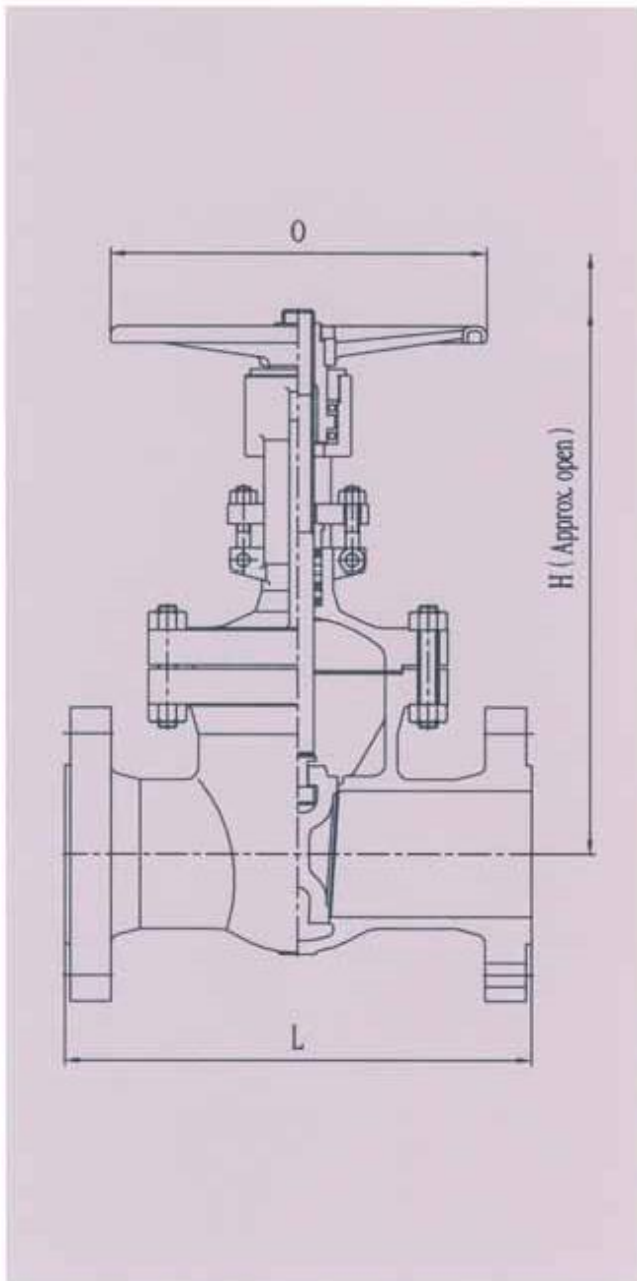
UNIT : mm

VALVE SIZE		½"	¾"	1"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L & L1		140	152	165	190	216	241	282	305	381	403	419	457	502	762	838	914	991	1143	1397	1727
L2		151	165	178	203	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1422	1756
A		-	-	-	-	-	-	-	-	-	-	-	-	-	362	362	414	414	468	526	526
O		100	100	120	200	200	200	250	250	350	350	400	450	500	500	500	600	600	710	800	800
H		230	252	310	378	416	455	528	615	710	798	1020	1222	1441	1685	1995	2185	2380	2860	3780	4320
WEIGHT (KGF)	RF	5.5	6.8	9.8	14.5	22	34	42	59	96	138	188	285	467	597	805	1090	1350	1950	4350	6850
	BW	-	-	-	-	18	30	36	52	88	124	152	205	387	497	670	965	1070	1550	3460	4990



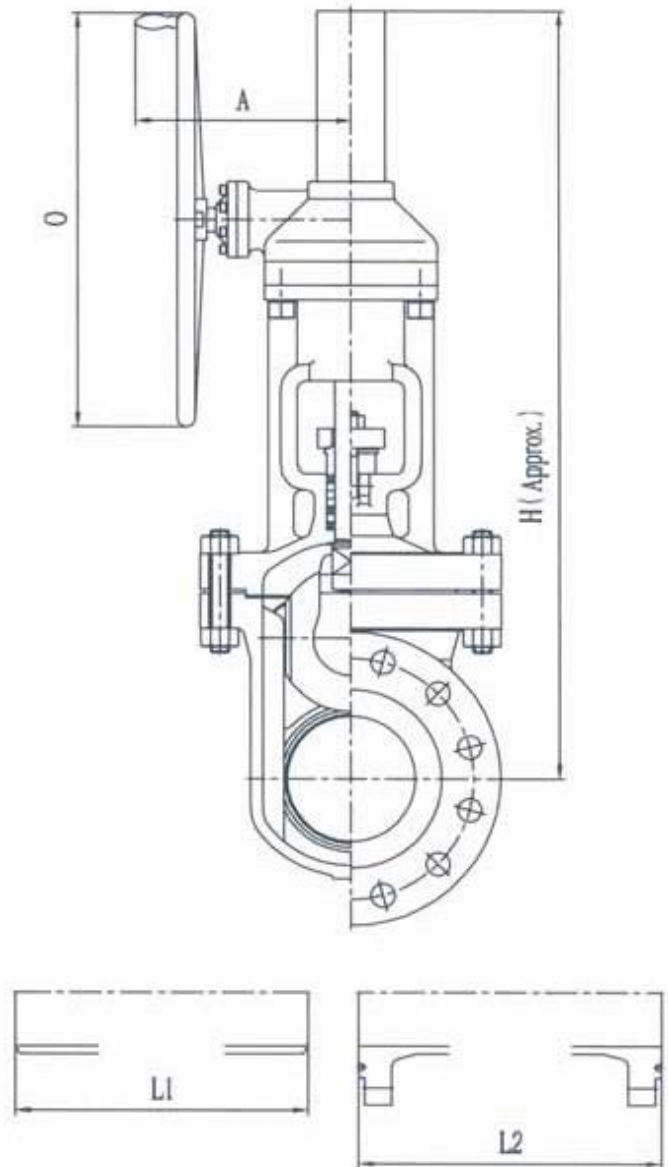
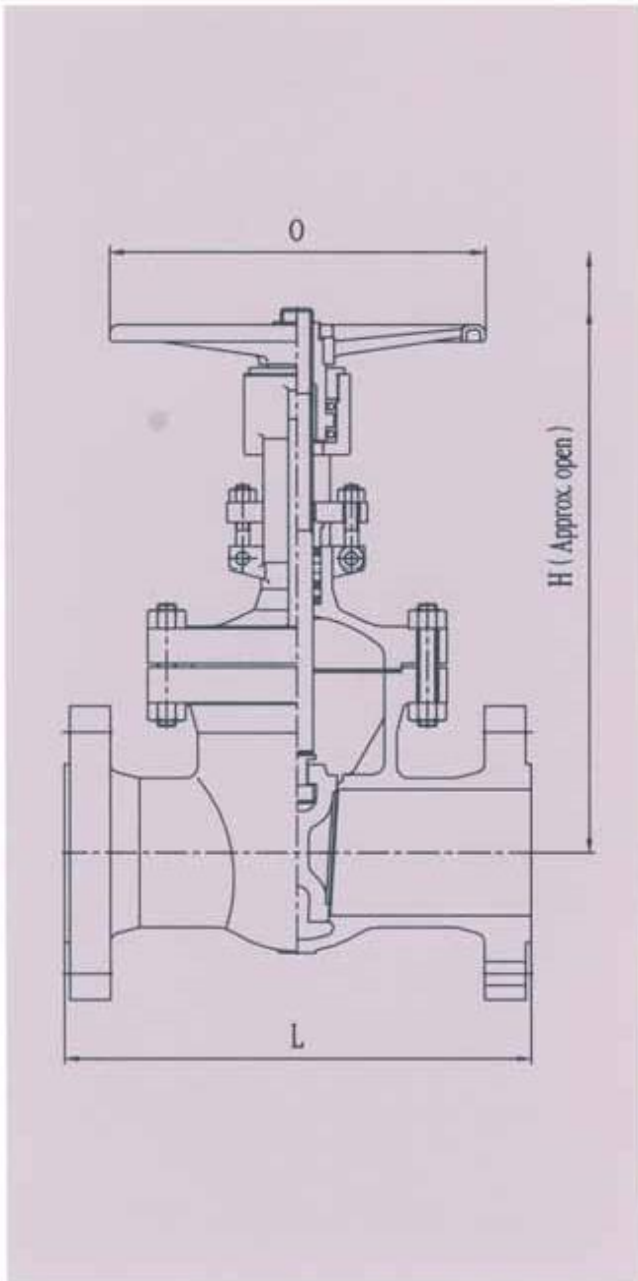
UNIT : mm

VALVE SIZE		1 ½"	2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
L & L1		241	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L2		241	295	333	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1562	1664
A		-	-	-	-	-	-	-	-	414	414	468	468	526	670	670	670	670
O		225	225	225	250	300	450	500	630	600	600	700	700	800	900	900	900	900
H		445	475	500	565	680	945	1110	1325	1680	1835	2110	2495	2665	2975	3270	3565	3866
WEIGHT (KGF)	RF	36	48	68	85	136	280	449	653	885	1275	1635	2232	2880	4200	5075	6050	7320
	BW	28	36	55	74	111	210	320	520	815	1163	1355	1825	2355	3465	4280	5095	6085



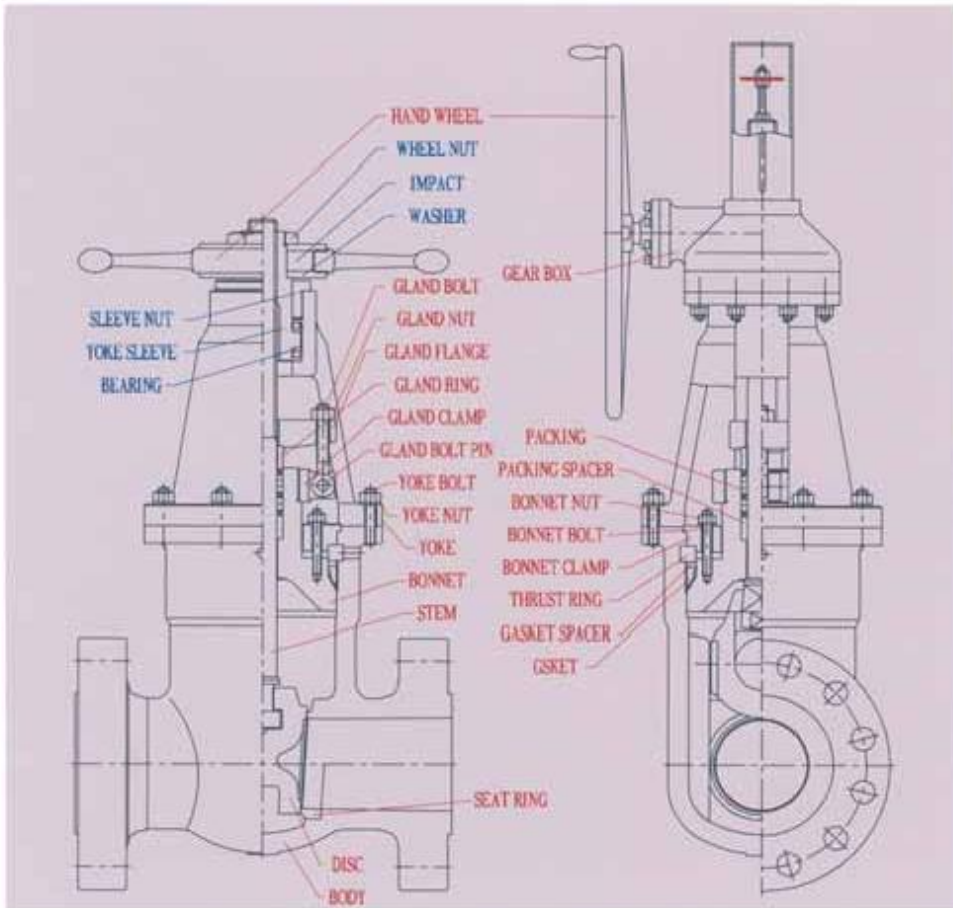
UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L & L1		368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549			
L2		371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568			
A		-	-	-	-	-	362	414	414	512	512	670	670	670			
O		300	300	355	400	560	450	500	500	600	600	700	800	900			
H		545	678	680	785	1076	1420	1730	1840	1945	2055	2260	2780	3085			
WEIGHT (KGF)	RF	86	150	165	177	448	774	1250	1535	2170	2980	3750	4785	7160			
	BW	63	130	130	138	362	640	1035	1305	1971	2590	3315	4025	6085			



UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L & L1		368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943			
L2		371	422	473	549	711	842	1001	1146	1276	1406	1559	1686	1971			
A		-	-	-	-	332	414	468	468	554	670	670	670	670			
O		300	300	400	500	500	600	700	700	800	900	900	900	900			
H		545	678	745	815	1205	1565	1710	1920	2100	2375	2680	2950	3360			
WEIGHT (KGF)	RF	86	150	180	254	620	1430	1980	3790	5350	6997	8790	10980	15876			
	BW	63	130	151	172	467	1225	1635	3256	4580	6053	7564	9445	13367			



SPECIFICATION

BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 OR ASME B16.47
TESTED BY	API 598

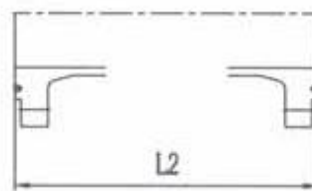
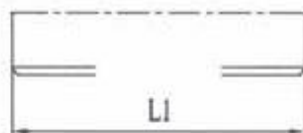
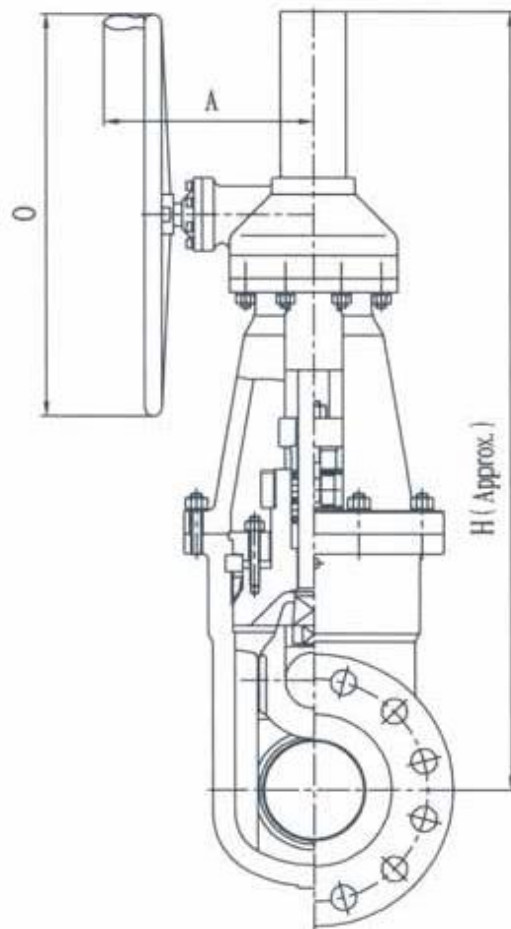
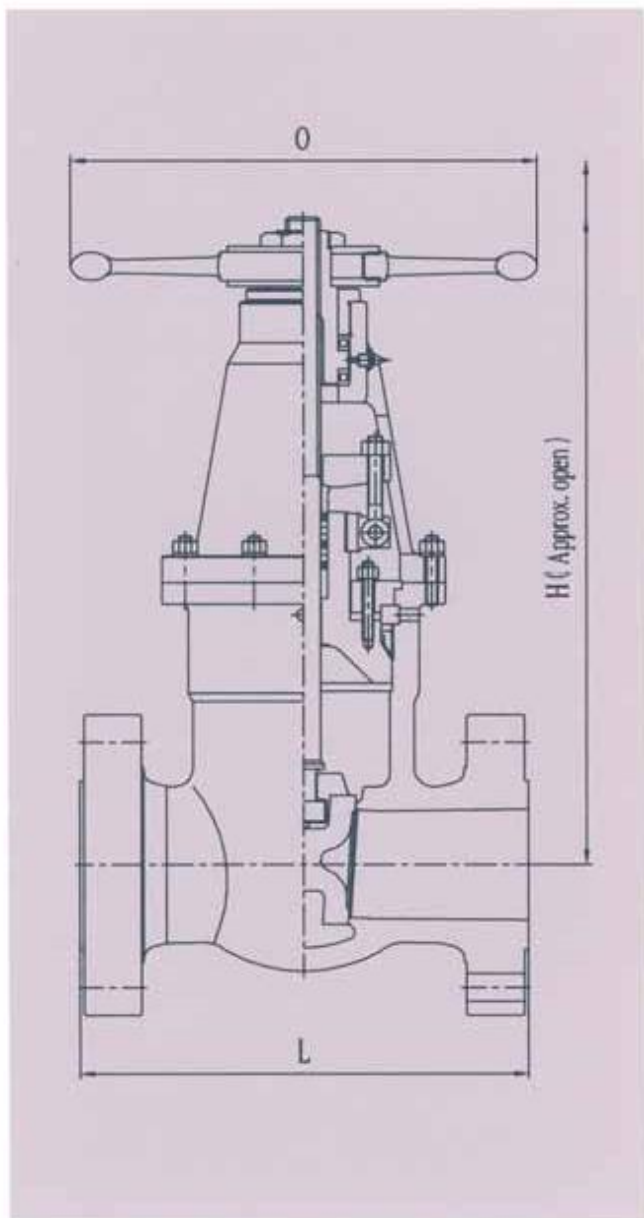
EXAMINATION

RADIOGRAPHY EXAMINATION	ASME B16.34 ANNEX B
MAGNETIC PARTICLE EXAMINATION	ASME B16.34 ANNEX C
LIQUID PENETRANT EXAMINATION	ASME B16.34 ANNEX D
ULTRASONIC EXAMINATION	ASME B16.34 ANNEX E

* EXAMINATIONS SHALL BE TESTED,
IF SPECIFIED IN THE PURCHASE ORDER.

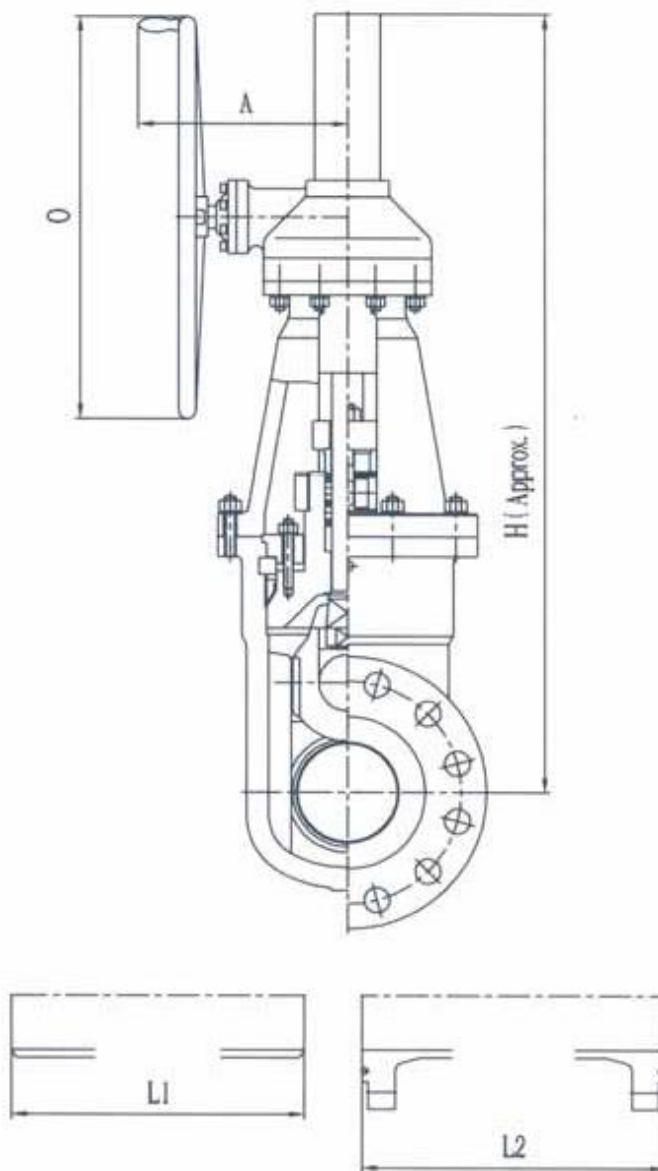
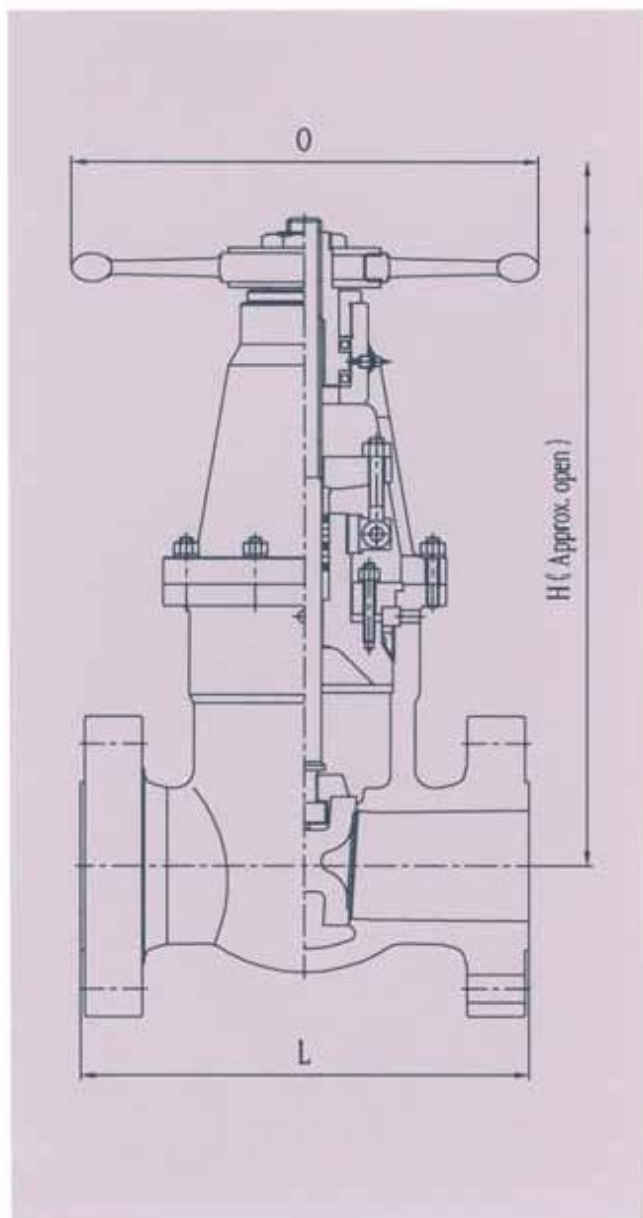
DESCRIPTION	MATERIAL			
BODY	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNET	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNETCLAMP	A216 WCB		A351 CF8	
DISC	BODY MATERIAL + STL			
SEAT RING	INTEGRAL + STL			
YOKE	A216 WCB		A351 CF8	
STEM	A276 T410		A276 304, 316, 304L, 316L, 321	UNS N08020
BACK SEAT RING	INTEGRAL + 304 OVERRAY		INTEGRAL	
GLAND RING	A276 410		A276 304, 316, 304L, 316L, 321	UNS N08020
GLAND CLAMP	A216 WCB		A351 CF8	
GLAND FLANGE	A216 WCB		A351 CF8	
YOKE SLEEVE	A276 420J2 (HRC 55. SURFACE Hv 1000-1250 : VACUUM-HEATTREATMENT + NITRIDING			
SLEEVE NUT	A216 WCB		A351 CF8	
THRUST BEARING			A351 CF8	
HANDLE WASHER	A108 1020		A240 304	
IMPACT	A216 WCB			
HAND WHEEL	A216 WCB or STEEL PIPE (GEAR TYPE ONLY)			
WHEEL NUT	A307 Gr.B + Zn PLATED		A194 8	
THRUST RING			A240 304	
BONNET BOLT	A193 B7	A193 B15	A193 B7 + Zn. PLATED	
BONNET NUT	A194 2H	A194 Gr.4	A194 2H + Zn. PLATED	
YOKE BOLT			A193 B7	
YOKE NUT			A194 2H	
GLAND BOLT PIN	A108 1020		A276 304	
GLAND BOLT	A307 Gr.B		A193 B8	
GLAND NUT	A194 2H		A194 2H + Zn. PLATED	
GEAR BOX	ASSEMBLY (CARBON STEEL)			
GASKET SPACER	A240 410			
GASKET	DIE FORMET GRAFOIL (ENDLESS RING TYPE)			
PACKING	CARBON FIBER + GRAFOIL			
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER				

OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER.



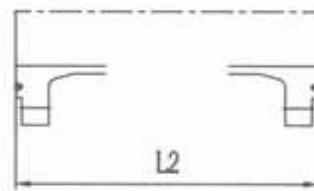
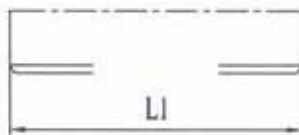
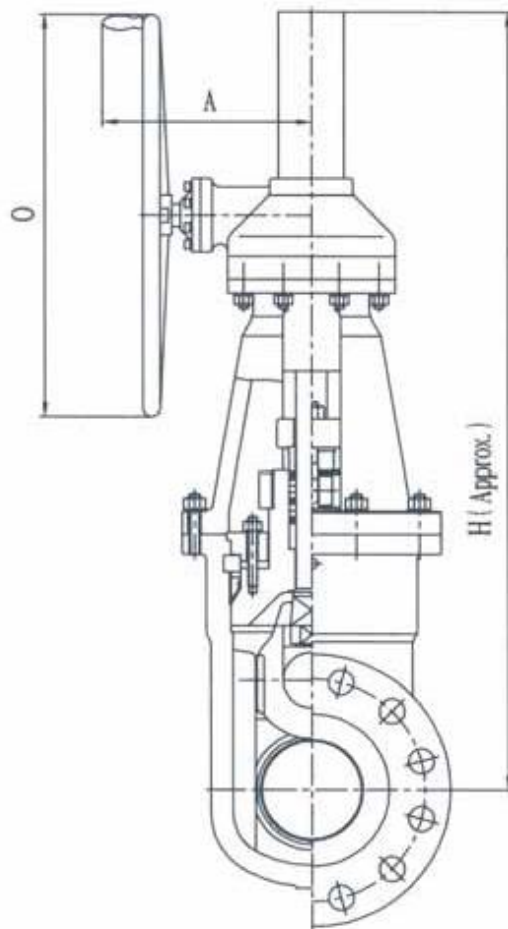
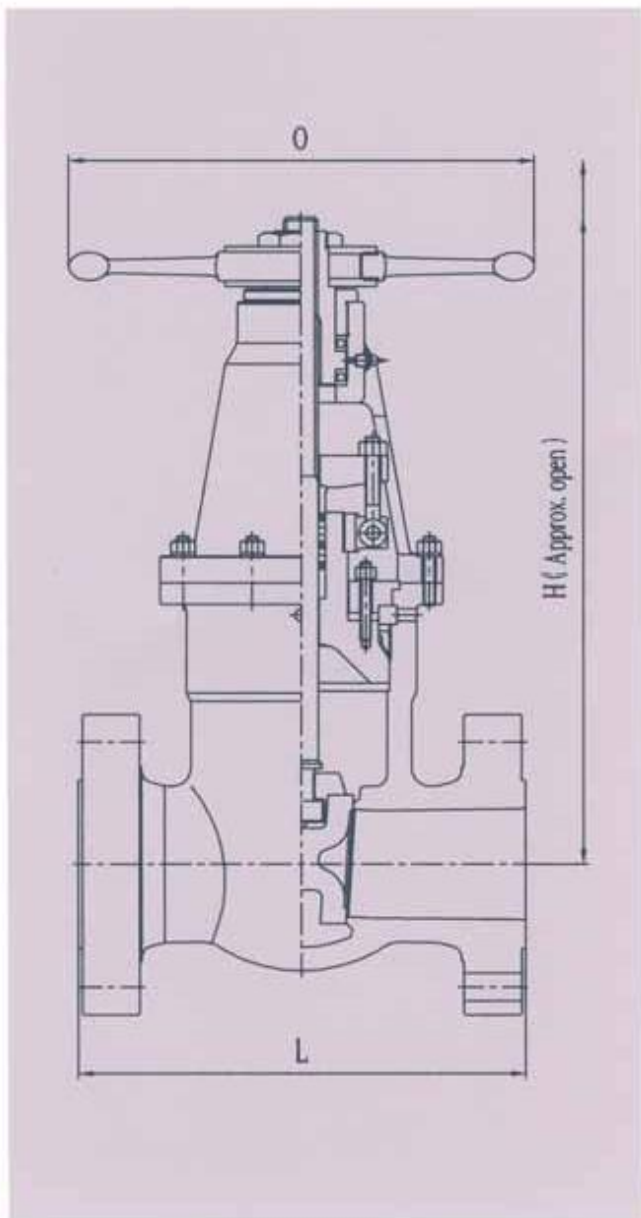
UNIT : mm

VALVE SIZE		1 ½"	2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
L		241	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L1		152	178	216	254	305	457	584	711	813	889	991	1092	1194	1397	1448	1549	1651
L2		241	295	333	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1562	1664
A		-	-	-	-	-	-	-	-	414	414	468	468	526	670	670	670	670
O		225	225	225	250	300	450	500	630	600	600	700	700	800	900	900	900	900
H		445	475	500	565	680	945	1110	1325	1680	1835	2110	2495	2665	2975	3270	3565	3866
WEIGHT (KGF)	RF	64	70	89	98	150	240	345	465	581	745	940	1215	1550	2130	2665	3331	4175
	BW	47	51	84	82	118	183	265	310	405	530	645	835	990	1395	1890	2425	3245



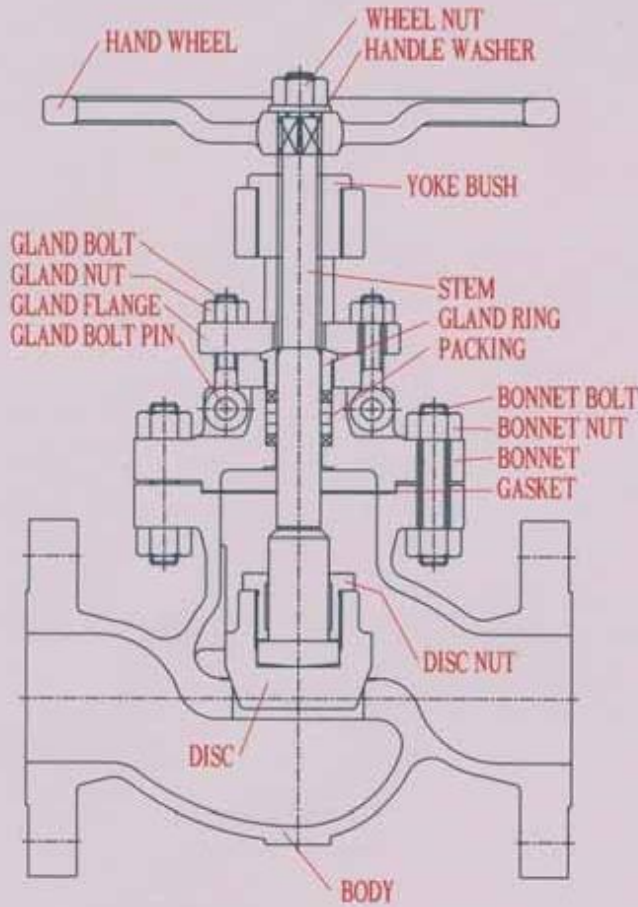
UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L		368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549			
L1		216	254	305	356	508	660	787	914	991	1092	1219	1321	1549			
L2		371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568			
A		-	-	-	-	-	362	414	414	512	512	670	670	670			
O		300	300	355	400	560	450	500	500	600	600	700	800	900			
H		545	678	680	785	1076	1420	1730	1840	1945	2055	2260	2780	3085			
WEIGHT (KGF)	RF	74	90	105	142	330	670	1060	1360	1850	2540	3510	4475	6745			
	BW	56	62	82	96	230	520	740	1080	1560	2090	2920	3685	5415			



UNIT : mm

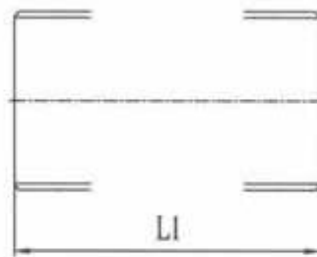
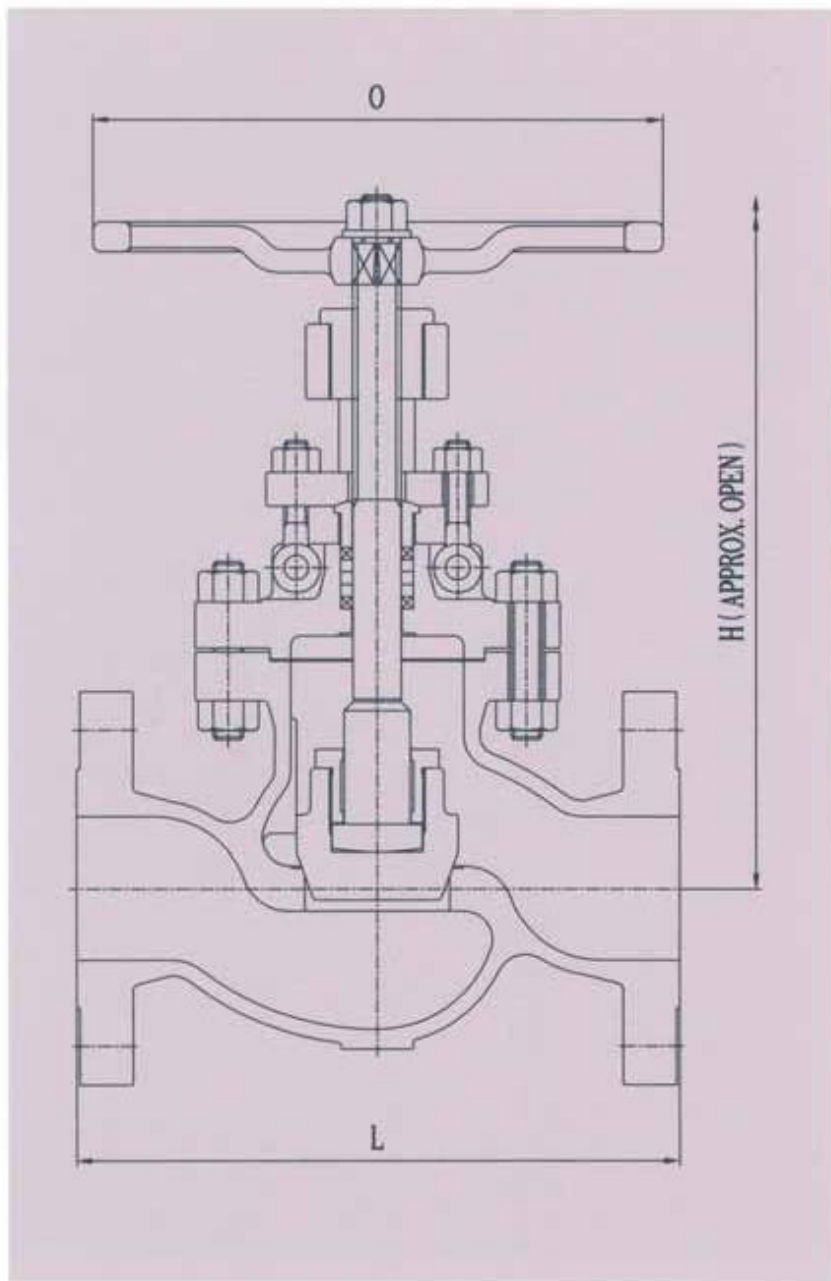
VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L		368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943			
L1		216	254	305	406	559	711	864	991	1067	1384	1537	1664	1943			
L2		371	422	473	549	711	842	1001	1146	1276	1406	1559	1686	1971			
A		-	-	-	-	332	414	468	468	554	670	670	670	670			
O		300	300	400	500	500	600	700	700	800	900	900	900	900			
H		545	678	745	815	1205	1565	1710	1920	2100	2375	2680	2950	3360			
WEIGHT (KGF)	RF	74	90	118	198	450	850	1325	1940	2410	3375	5500	6950	9980			
	BW	56	62	79	143	330	645	976	1355	1705	2580	4475	5515	7895			



SPECIFICATION

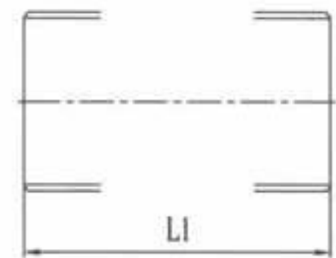
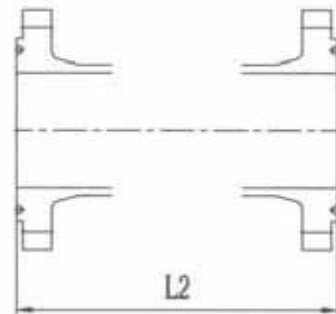
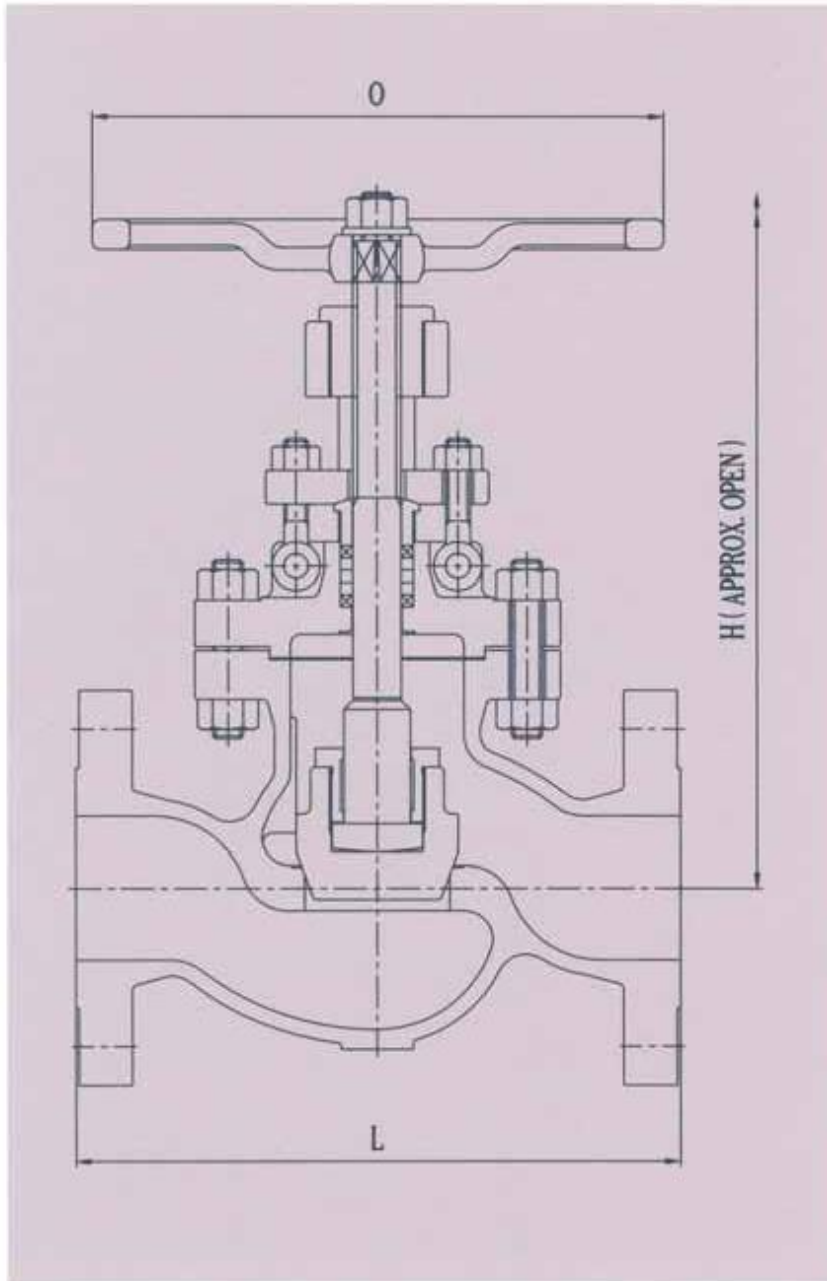
BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 OR ASME B16.47
TESTED BY	API 598

DESCRIPTION	MATERIAL					
BODY	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
BONNET	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
DISC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF3C	A351 CN7M
DISC NUT	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
STEM	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
GLAND RING	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
GLAND FLANGE	A351 CF8					
YOKE BUSH	A439 D2C or A276 420J2 (HRC 55) or B62 (150Lb & 300Lb)					
HAND WHEEL	DUCTILE IRON or STEEL PIPE (GEARTYPE ONLY)					
WHEEL NUT	A194 8					
HANDLE WASHER	A240 304					
BONNET BOLT	A193 B8					
BONNET NUT	A194 8					
GLAND BOLT PIN	A276 304					
GLAND BOLT	A193 B8					
GLAND NUT	A194 8					
PACKING	GRAFOIL (OTHER MATERIALS ARE AS SPECIFIED PURCHASE ORDER)					
GASKET	SPIRAL WOUND (OTHER TYPES ARE AS SPECIFIED PURCHASE ORDER)					
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER (EX. HASTELLOY, MONEL, OTHER A351 MATERIAL)						



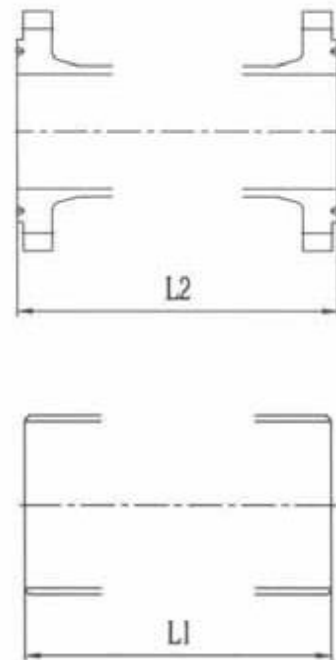
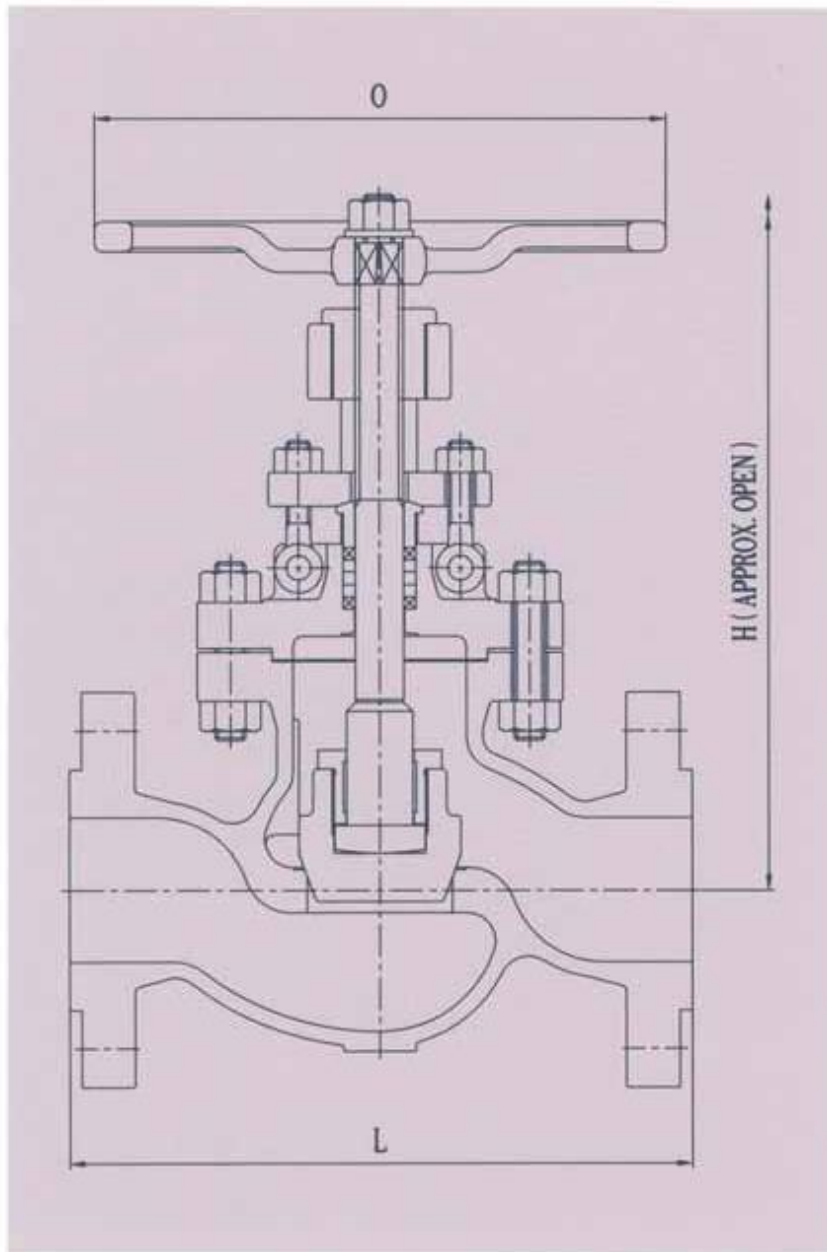
UNIT : mm

VALVE SIZE		½"	¾"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"			
L & L1		108	117	127	165	203	216	241	292	356	406	495	622	698			
O		100	100	125	200	200	225	250	300	350	350	400	550	550			
H		197	203	231	283	293	325	380	452	485	520	580	750	830			
WEIGHT (KGF)	RF	4.5	5	7	13	18	24	34	50	66	79	147	261	390			
	BW	-	-	-	-	16	21	30	45	60	70	128	245	369			



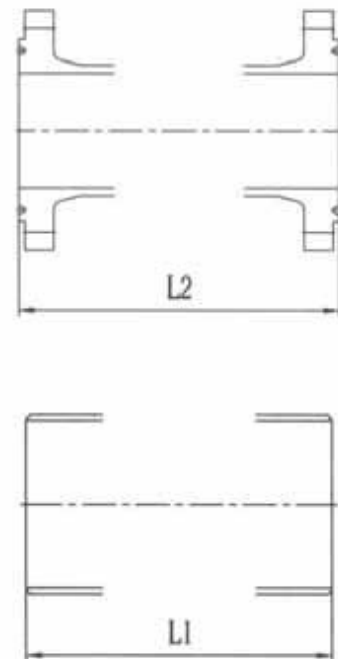
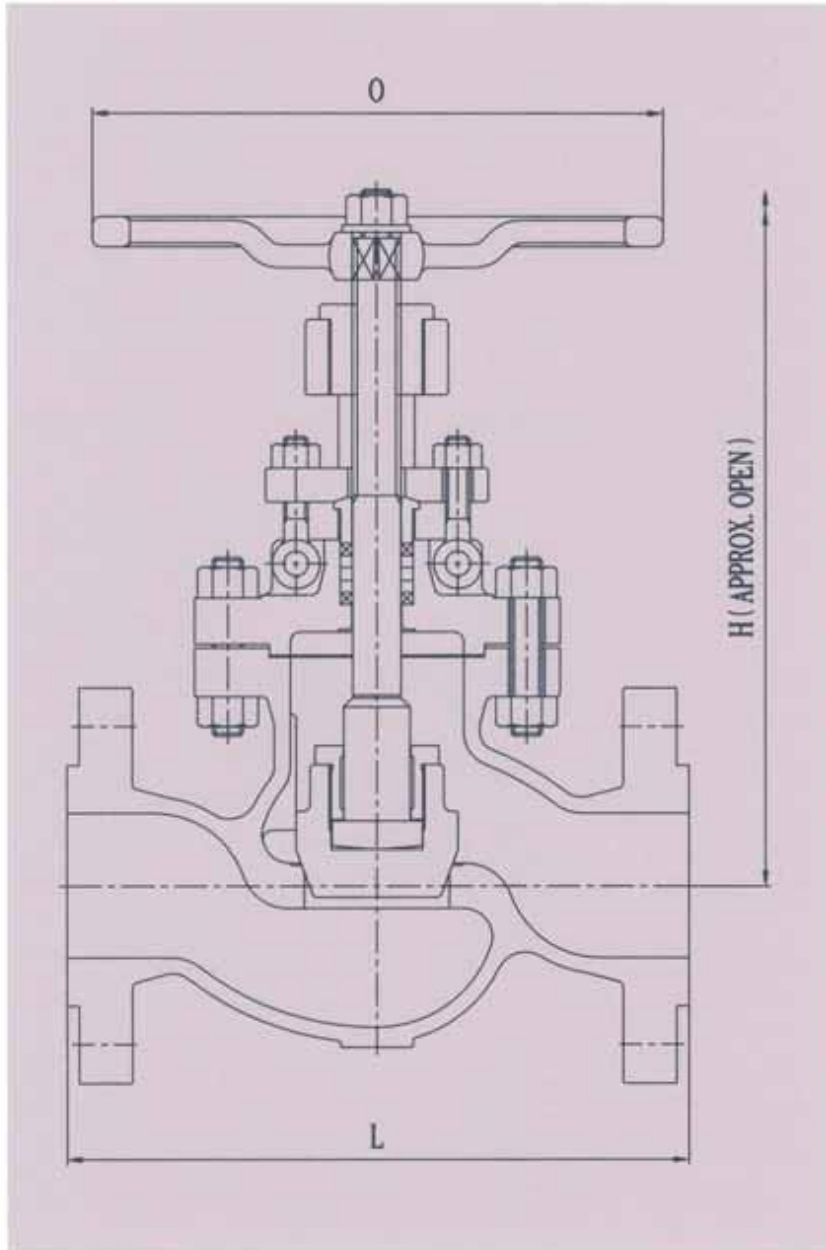
UNIT : mm

VALVE SIZE		1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"			
L & L1		152	178	203	216	267	292	318	356	400	444	559	622	711			
L2		163	191	216	229	283	308	334	372	416	460	575	638	727			
O		100	125	150	200	200	225	250	300	400	400	550	550	550			
H		205	229	257	296	308	343	391	467	710	562	702	829	937			
WEIGHT (KGF)	RF	5.5	6.8	9.8	14.5	22	34	42	59	96	138	188	285	467			
	BW	-	-	-	-	18	30	36	52	88	124	152	245	413			



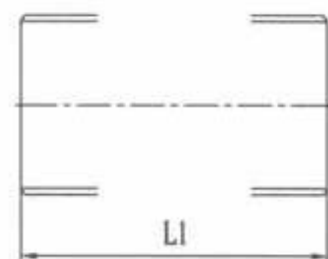
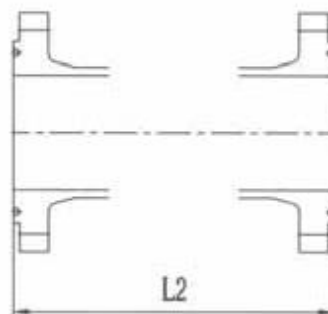
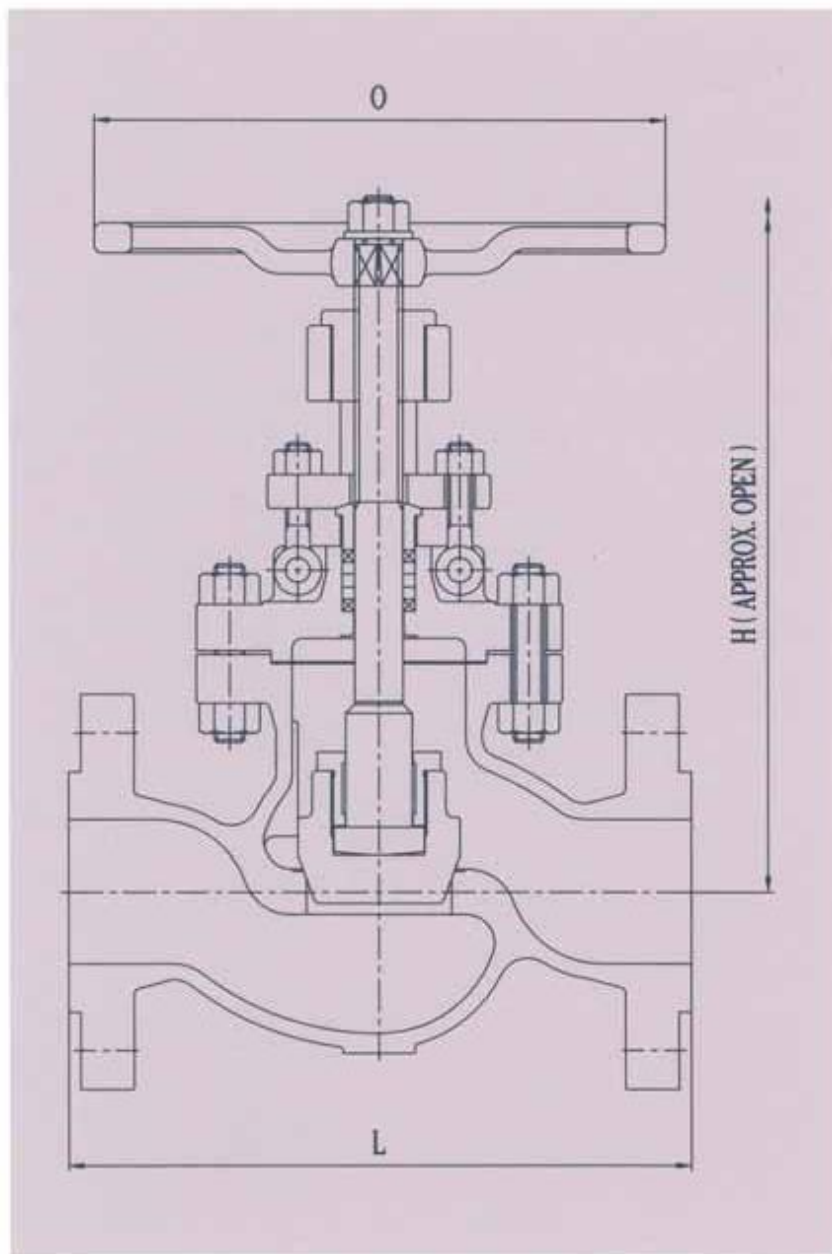
UNIT : mm

VALVE SIZE		½"	2"	2 1/2"	3"	4"	6"	8"	10"	12"						
L & L1		241	292	330	356	432	559	660	787	838						
L2		241	295	333	359	435	562	663	790	841						
O		300	300	350	350	450	550	650	800	850						
H		385	425	445	508	647	889	997	1050	1125						
WEIGHT (KGF)	RF	42	48	68	92	153	340	510	698	903						
	BW	34	36	55	81	128	270	381	565	780						



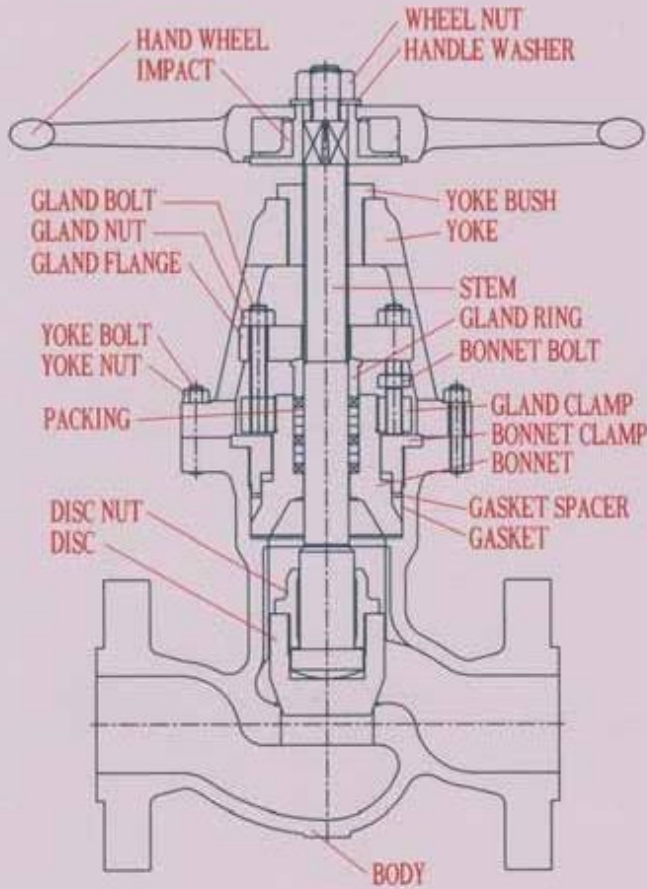
UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"	12"							
L & L1		368	419	381	457	610	737	838	965							
L2		371	422	384	460	613	740	841	968							
O		400	400	450	500	610	750	850	950							
H		569	648	724	832	1020	1182	1220	1296							
WEIGHT (KGF)	RF	86	150	165	177	448	774	1250	1535							
	BW	63	130	130	138	362	640	1035	1305							



UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"								
L & L1		368	419	470	546	705	832	991								
L2		371	422	473	549	711	842	1001								
O		400	400	500	610	700	850	1000								
H		569	648	724	832	1020	1182	1245								
WEIGHT (KGF)	RF	86	150	180	254	620	1430	1980								
	BW	63	130	151	172	467	1225	1635								



SPECIFICATION

BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 OR ASME B16.47
TESTED BY	API 598

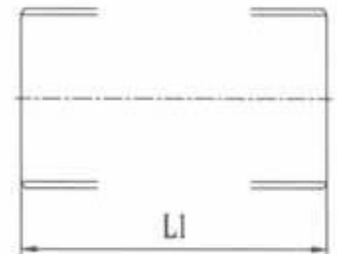
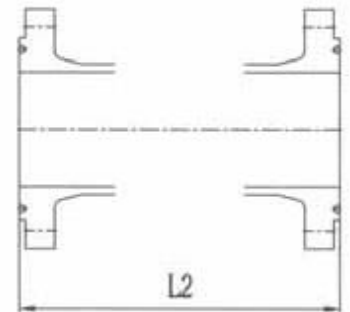
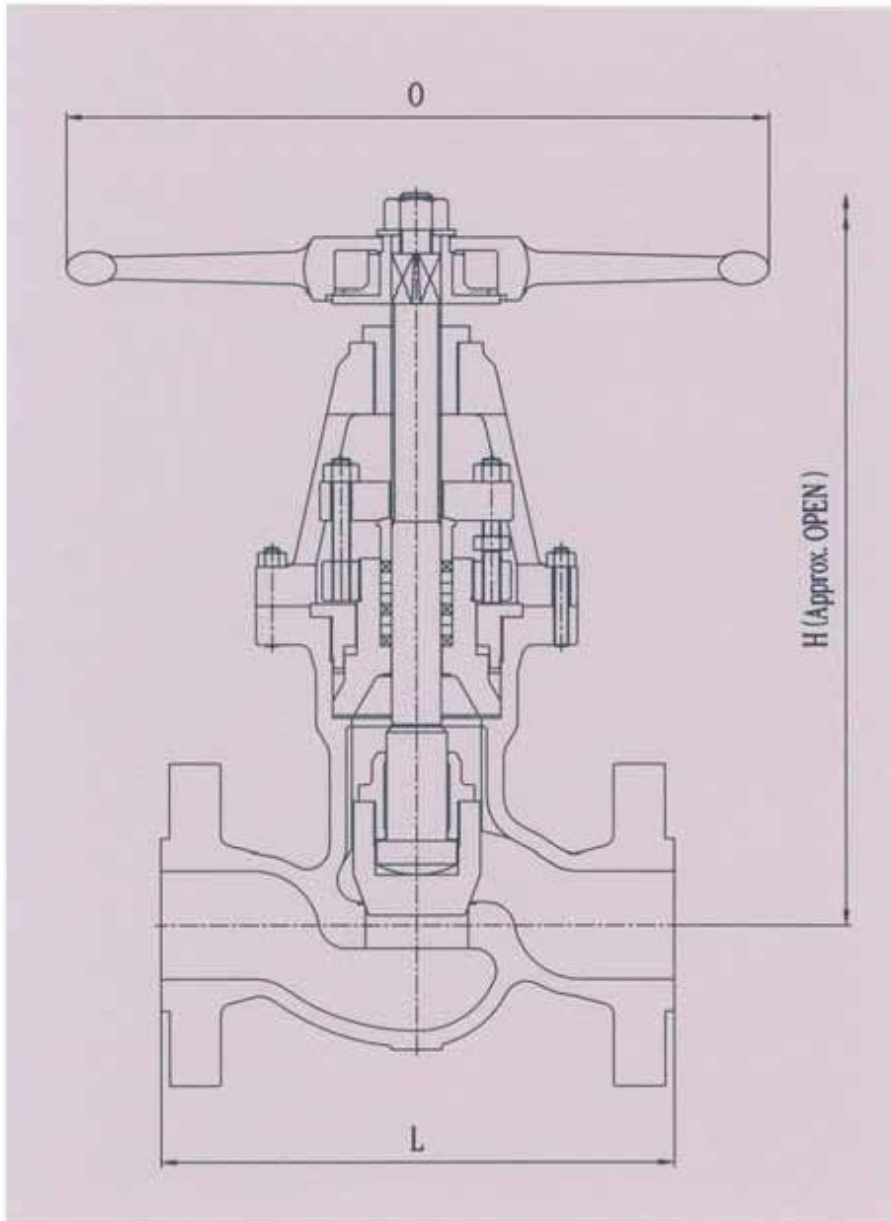
EXAMINATION

RADIOGRAPHY EXAMINATION	ASME B16.34 ANNEX B
MAGNETIC PARTICLE EXAMINATION	ASME B16.34 ANNEX C
LIQUID PENETRANT EXAMINATION	ASME B16.34 ANNEX D
ULTRASONIC EXAMINATION	ASME B16.34 ANNEX E

* EXAMINATIONS SHALL BE TESTED,
IF SPECIFIED IN THE PURCHASE ORDER.

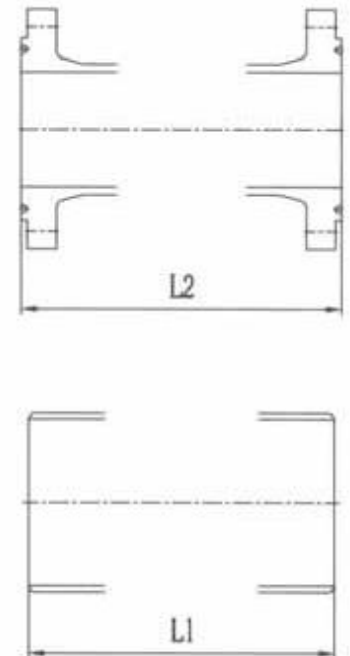
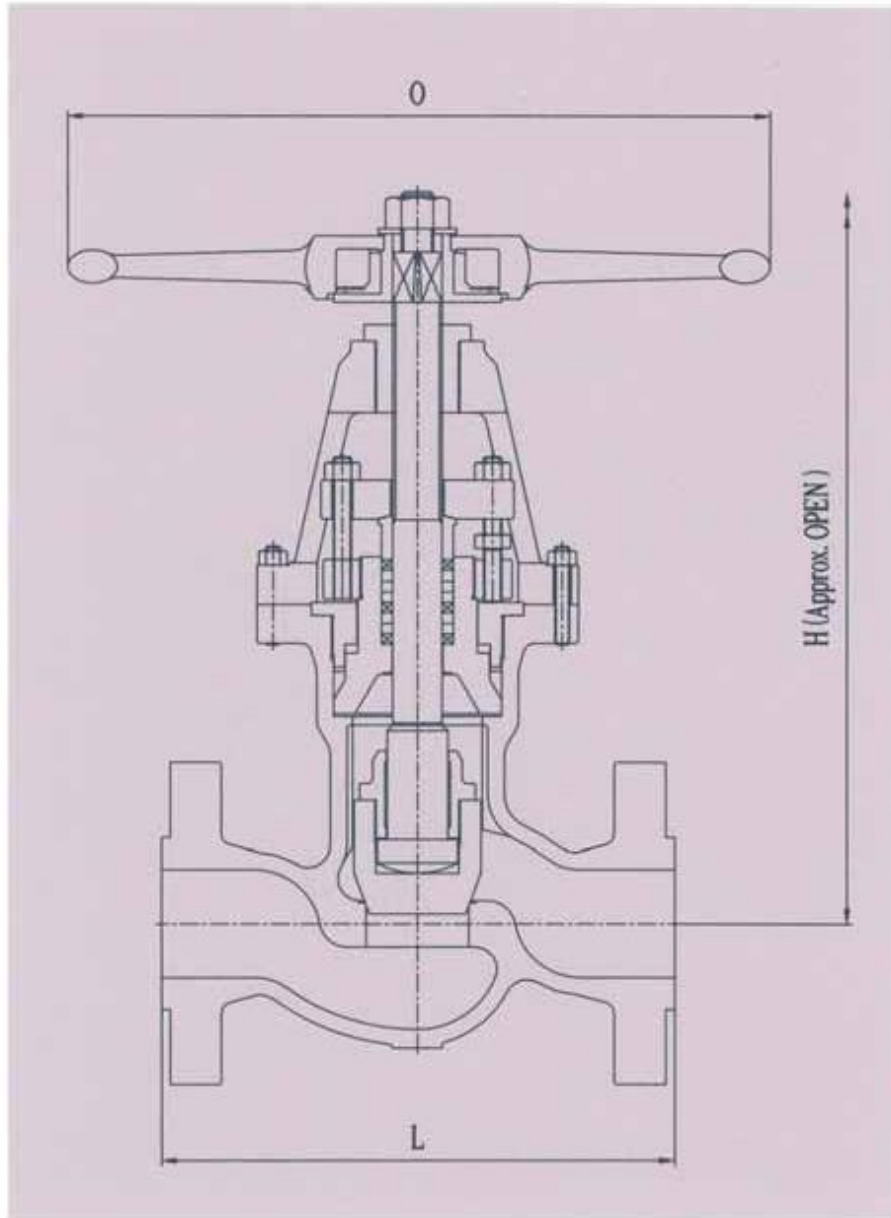
DESCRIPTION	MATERIAL			
	CARBON STEEL	LOW ALLOT STEEL	STAINLESS STEEL	
BODY	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNET	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNETCLAMP		A216 WCB	A351 CF8	
DISC		BODY MATERIAL + STL		
SEAT RING		INTEGRAL + STL		
YOKE		A216 WCB	A351 CF8	
STEM		A276 T410	A276 304, 316, 304L, 316L, 321	UNS N08020
BACK SEAT RING		INTEGRAL + 304 OVERRAY	INTEGRAL	
GLAND RING		A276 410	A276 304, 316, 304L, 316L, 321	UNS N08020
GLAND CLAMP		A216 WCB	A351 CF8	
GLAND FLANGE		A216 WCB	A351 CF8	
YOKE BUSH		A276 420J2 (HRC 55. SURFACE Hv 1000-1250 : VACUUM-HEATTREATMENT + NITRIDING		
HANDLE WASHER		A108 1020	A240 304	
IMPACT		A216 WCB		
HAND WHEEL		A216 WCB or STEEL PIPE (GEAR TYPE ONLY)		
WHEEL NUT		A307 Gr.B + Zn PLATED	A194 8	
THRUST RING			A240 304	
BONNET BOLT	A193 B7	A193 B16	A193 B7 + Zn. PLATED	
BONNET NUT	A194 2H	A194 Gr.4	A194 2H + Zn. PLATED	
YOKE BOLT			A193 B7	
YOKE NUT			A194 2H	
GLAND BOLT		A307 Gr.B	A193 B8	
GLAND NUT		A194 2H	A194 2H + Zn. PLATED	
GASKET SPACER			A240 410	
GASKET			DIE FORMET GRAFOIL (ENDLESS RING TYPE)	
PACKING			CARBON FIBER + GRAFOIL	

OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER.



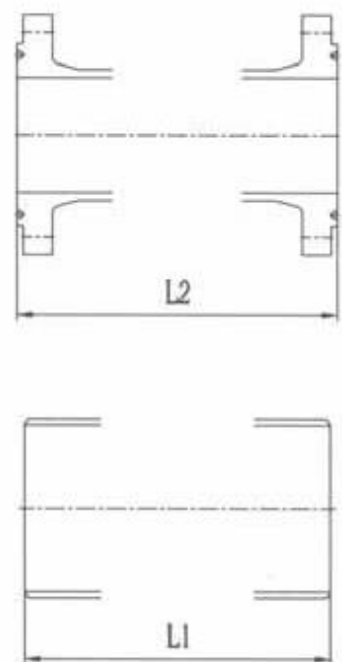
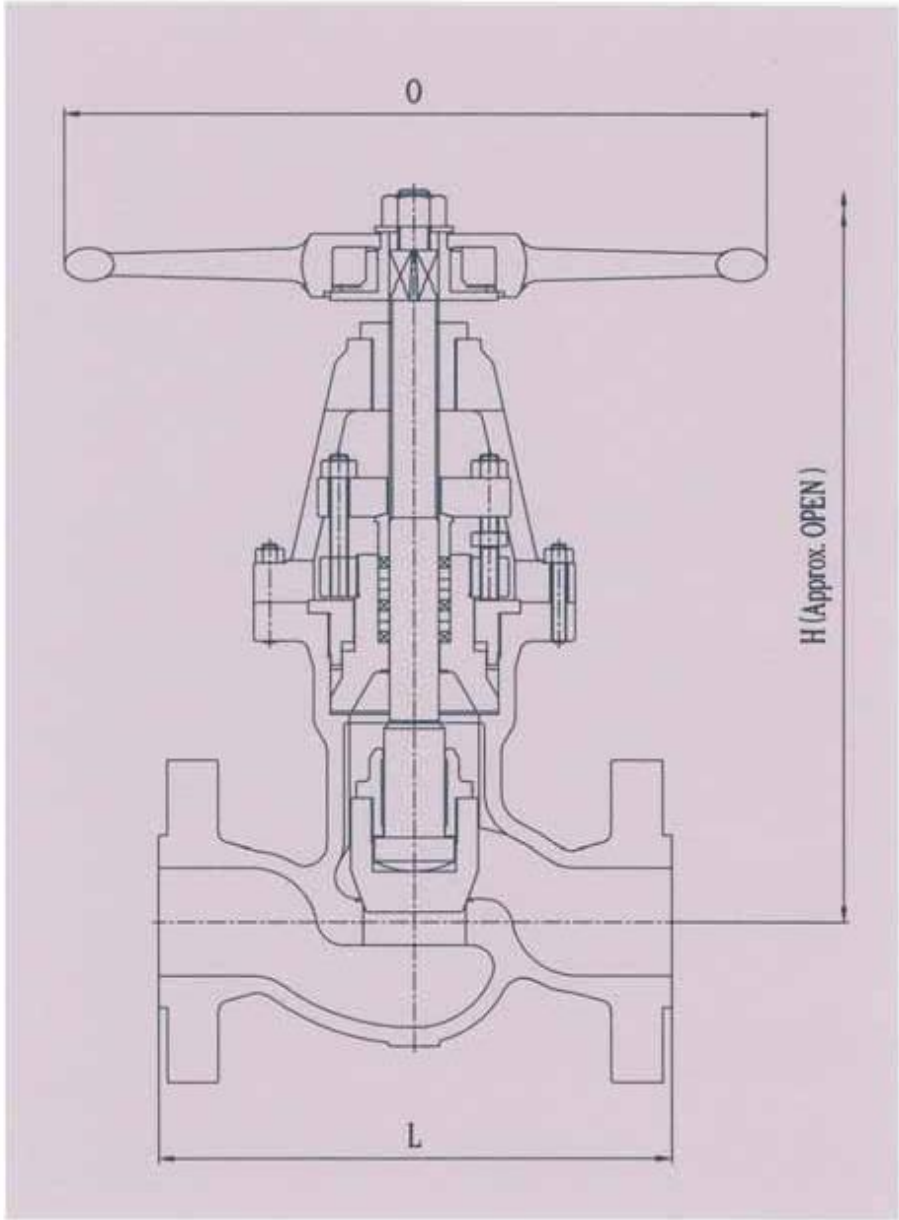
UNIT : mm

VALVE SIZE		1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"						
L		241	292	330	356	432	559	660	787	838						
L1		152	178	216	254	305	457	584	711	813						
L2		241	295	333	359	435	562	663	790	841						
O		300	300	350	350	450	550	650	800	850						
H		397	435	450	547	680	889	997	1065	1125						
WEIGHT (KGF)	RF	64	70	89	98	150	240	345	465	581						
	BW	47	51	84	82	118	183	265	310	405						



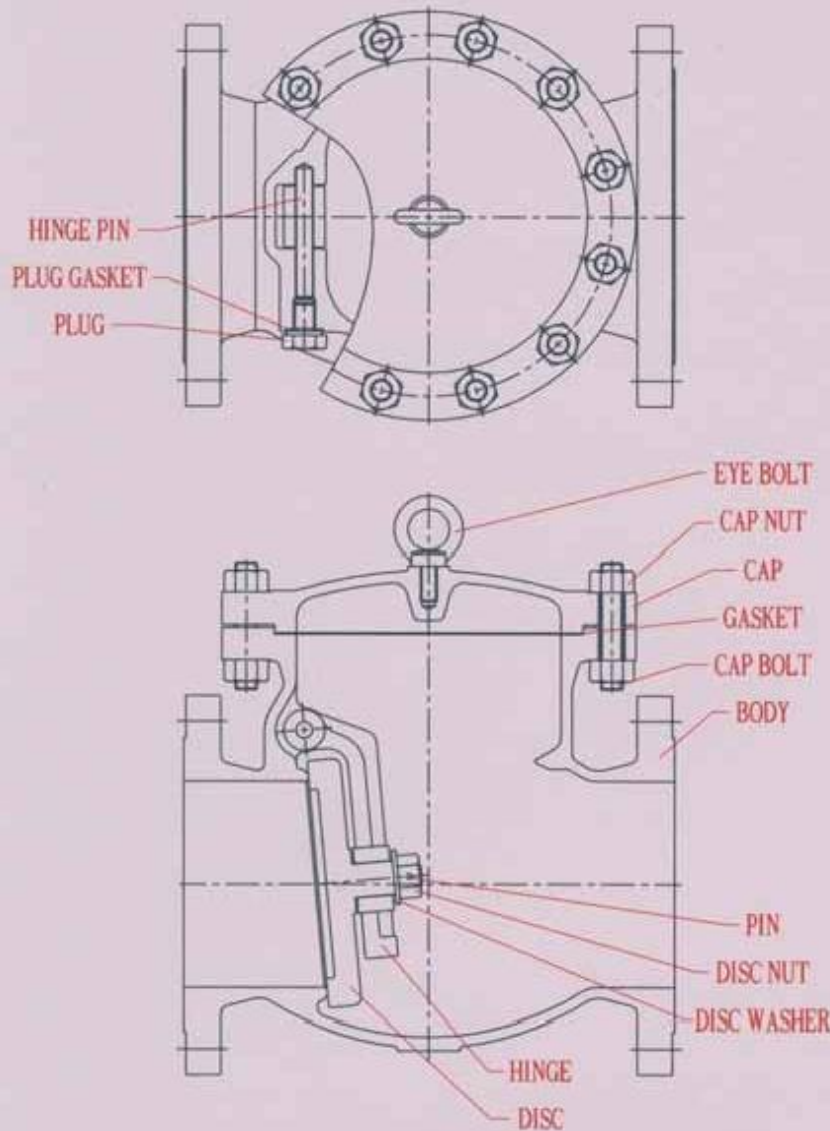
UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"	12"							
L		368	419	381	457	610	737	838	965							
L1		216	254	305	356	508	660	787	914							
L2		371	422	384	460	613	740	841	968							
O		400	400	450	500	610	750	850	950							
H		596	648	724	823	1020	1182	1286	1445							
WEIGHT (KGF)	RF	74	90	105	142	330	670	1060	1360							
	BW	56	62	82	96	230	520	740	1080							



UNIT : mm

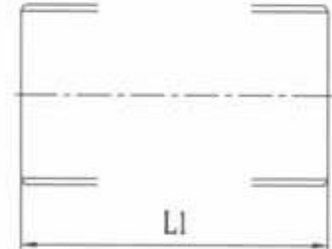
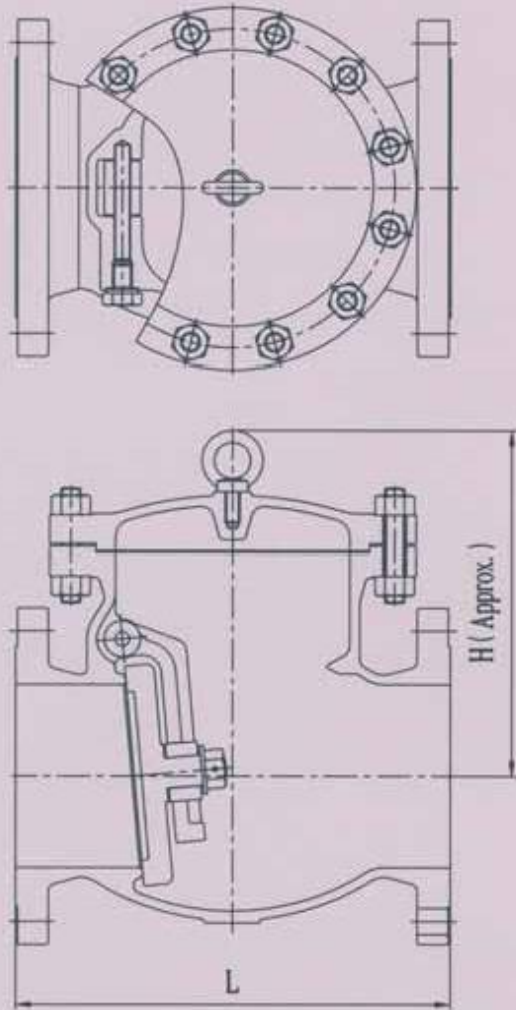
VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"								
L		368	419	470	546	705	832	991								
L1		216	254	305	406	559	711	864								
L2		371	422	473	549	711	842	1001								
O		400	400	500	610	700	850	1000								
H		596	648	724	823	1020	1182	1286								
WEIGHT (KGF)	RF	74	90	118	198	450	850	1325								
	BW	56	62	79	143	330	645	976								



SPECIFICATION

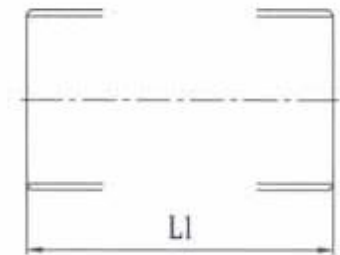
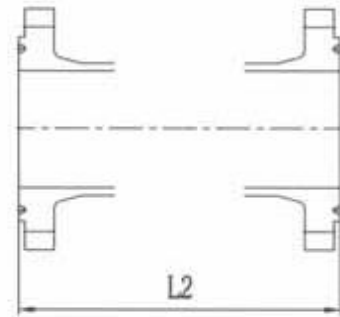
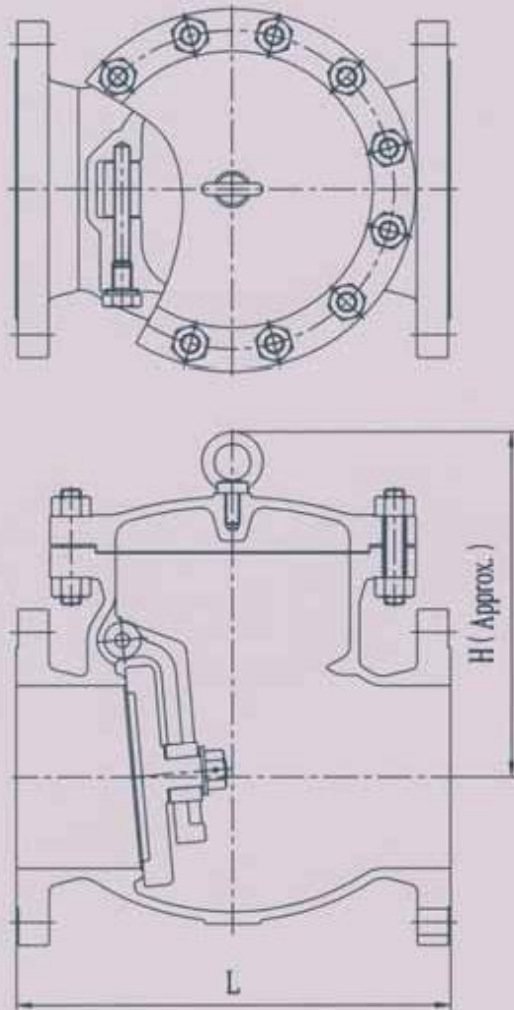
BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 or ASME B16.47
TESTED BY	API 598

DESCRIPTION	MATERIAL					
BODY	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
CAP	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
DISC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF3C	A351 CN7M
HINGE	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C	A351 CN7M
HINGE PIN	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
DISC WASHER	A240 304	A240 316	A240 304L	A240 316L	A240 321	UNS N08020
DISC NUT	A194 8	A194 8M	A194 8LN	A194 8MLN	A194 8C	UNS N08020
DISC NUT PIN	A276 304	A276 316	A276 304L	A276 316L	A276 321	UNS N08020
CAP BOLT	A193 B8					
CAP NUT	A194 8					
EYE BOLT	A193 B8 (150lb & 300lb : 6" & LARGER. 600lb & OVER : 4" LARGER)					
PLUG	A193 B8	A193 B8M	A193 B8LN	A193 B8MLN	A193 B8C	UNS N08020
PLUG GASKET	PTFE (OTHER TYPES ARE AS SPECIFIED PURCHASE ORDER)					
GASKET	SPIRAL WOUND (OTHER TYPES ARE AS SPECIFIED PURCHASE ORDER)					
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER (EX. HASTELLOY, MONEL, OTHER A351 MATERIAL)						



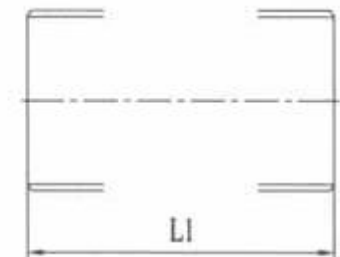
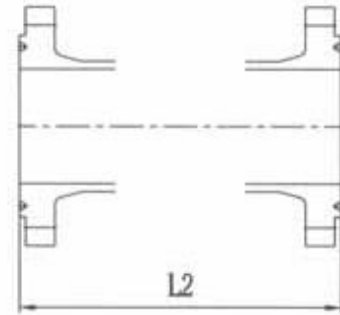
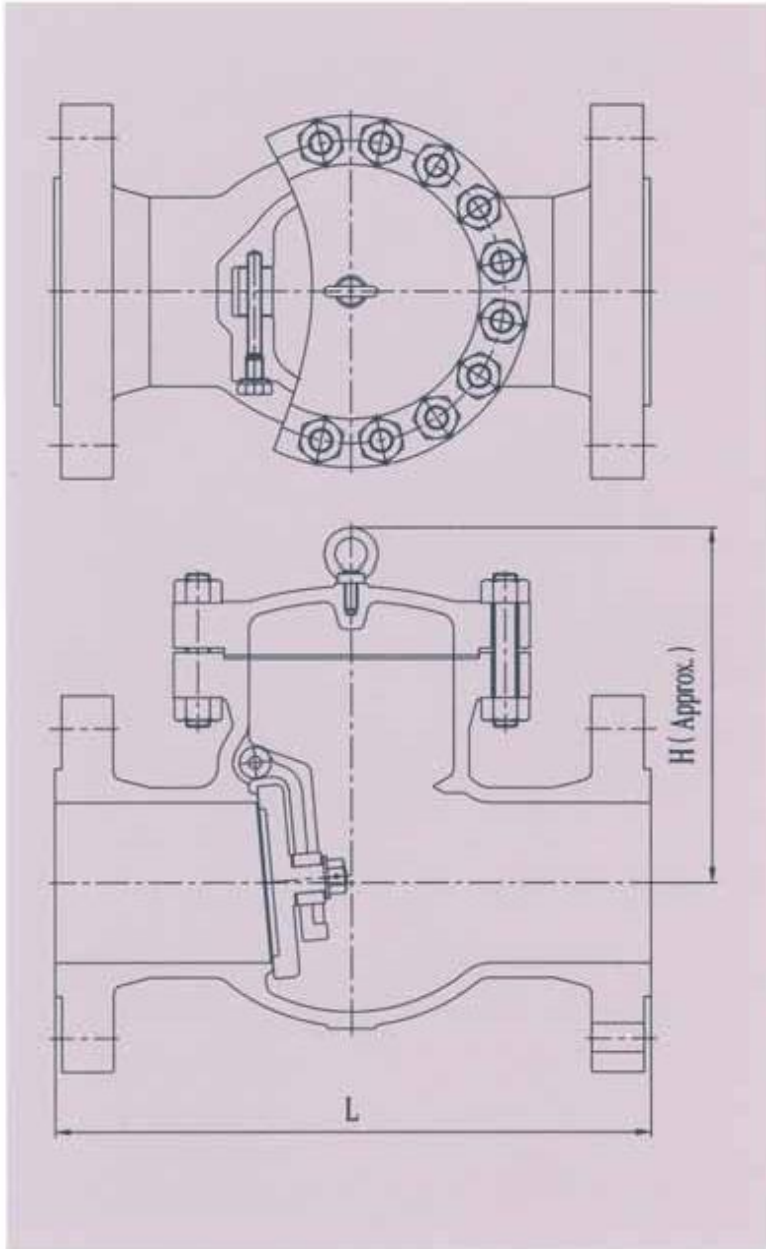
UNIT : mm

VALVE SIZE		½"	¾"	1"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L & L1		108	117	127	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1956
H		98	98	98	107	120	135	147	169	190	213	253	279	312	445	521	560	591	702	870	1050
WEIGHT (KGF)	RF	4	4.2	5	7.5	12.5	15.5	22	33.5	49	62	107	167	229	305	566	703	895	1560	2250	3250
	BW	-	-	-	-	9	11.5	14.5	17	42	50.5	87	142	204	262	487	625	774	1392	2050	3050



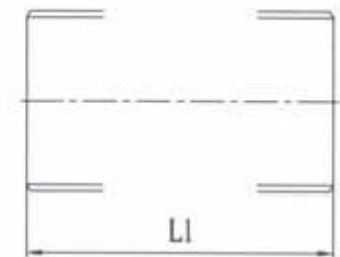
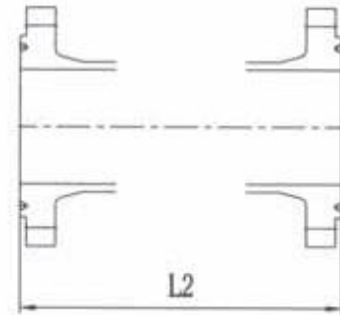
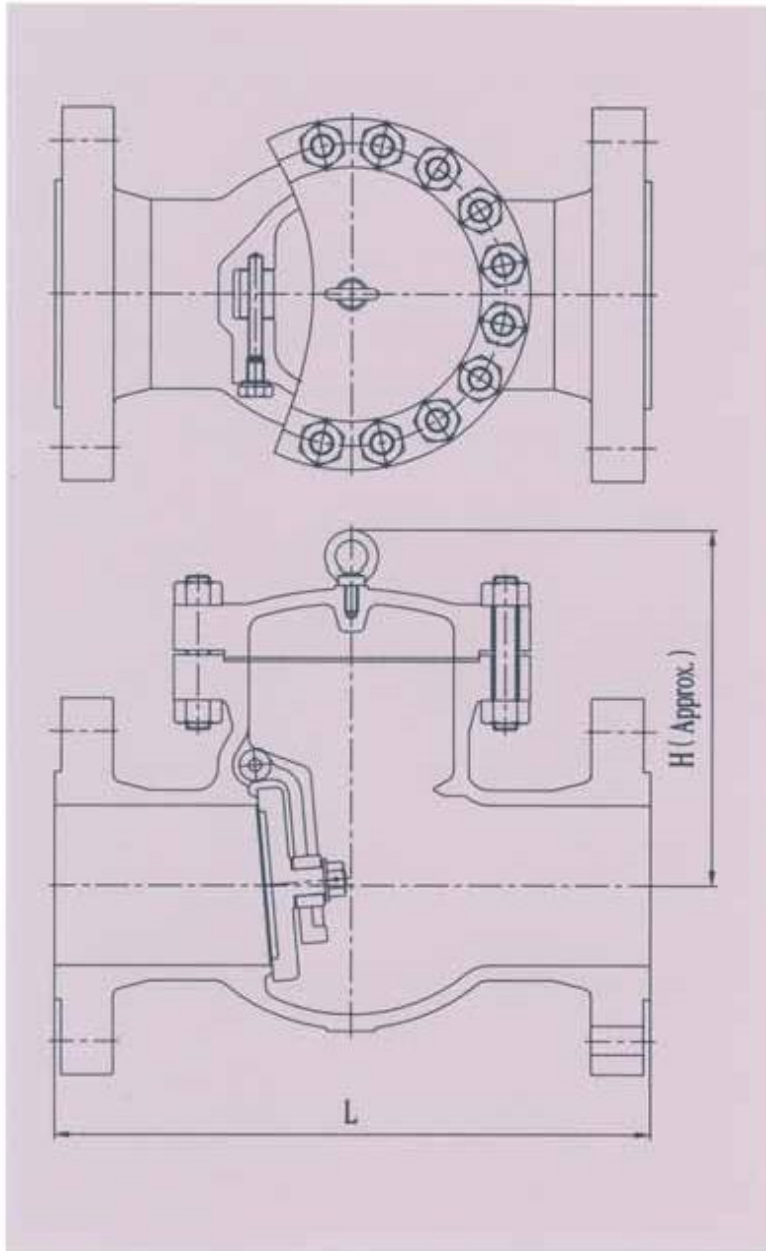
UNIT : mm

VALVE SIZE		½"	¾"	1"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L & L1		140	152	216	241	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594	2083
L2		151	165	229	254	283	308	334	372	416	460	549	638	727	854	880	994	1035	1368	1619	2108
H		81	84	101	150	165	190	205	225	250	272	330	360	406	514	550	720	805	935	1085	1275
WEIGHT (KGF)	RF	4	5	8.2	13.5	16.5	24	31	54	83	103	164	252	380	551	805	1050	1230	1941	3250	4980
	BW	-	-	-	-	13.5	21.5	24.5	41.5	66	82	133	198	321	407	670	854	980	1565	2875	4350



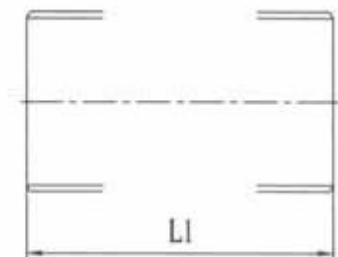
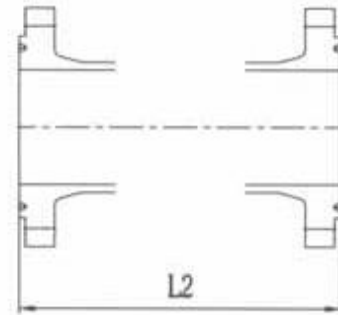
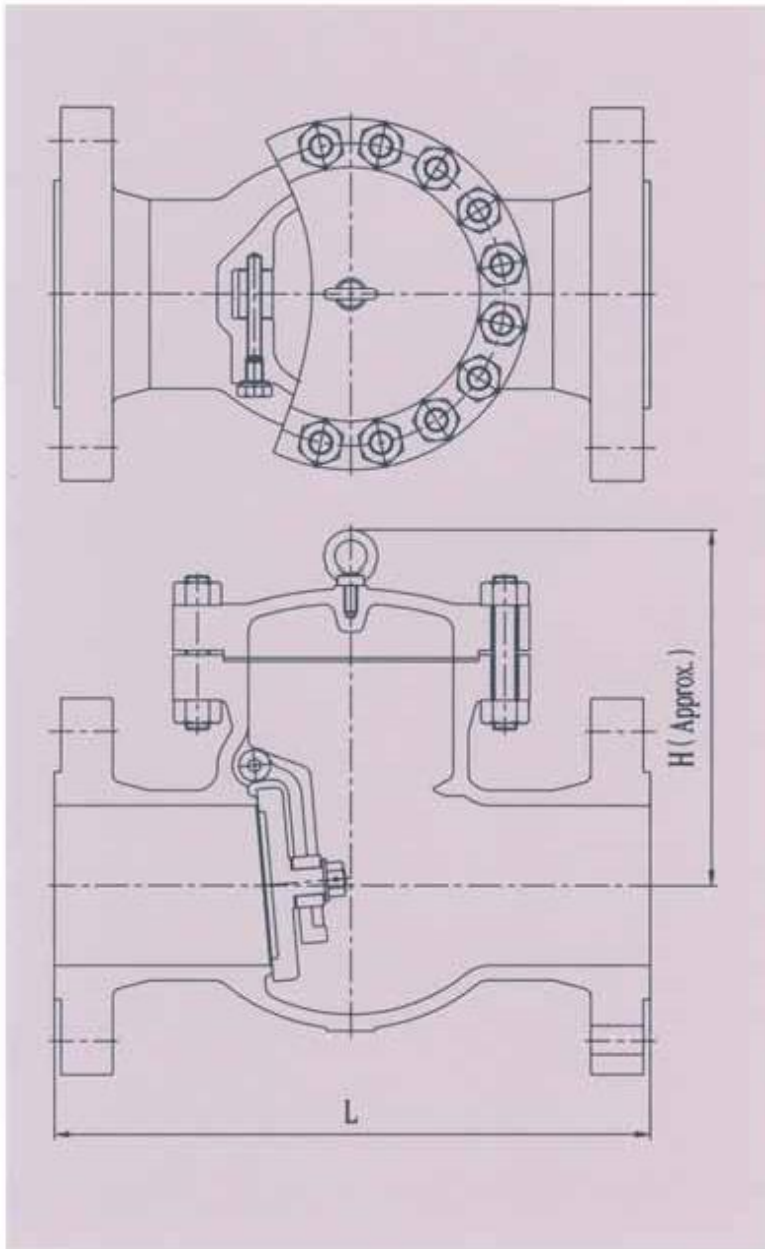
UNIT : mm

VALVE SIZE		1 ½"	2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
L & L1		241	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L2		241	295	333	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1562	1664
H		134	160	185	200	300	355	400	500	550	610	750	800	925	1030	1175	1250	1375
WEIGHT (KGF)	RF	20.4	35.4	48	67	112	211	322	541	715	995	1370	1790	2450	3100	4030	5239	6810
	BW	28	30.5	40.5	57	85	183	275	435	635	790	1120	1440	2075	2550	3235	4284	5575



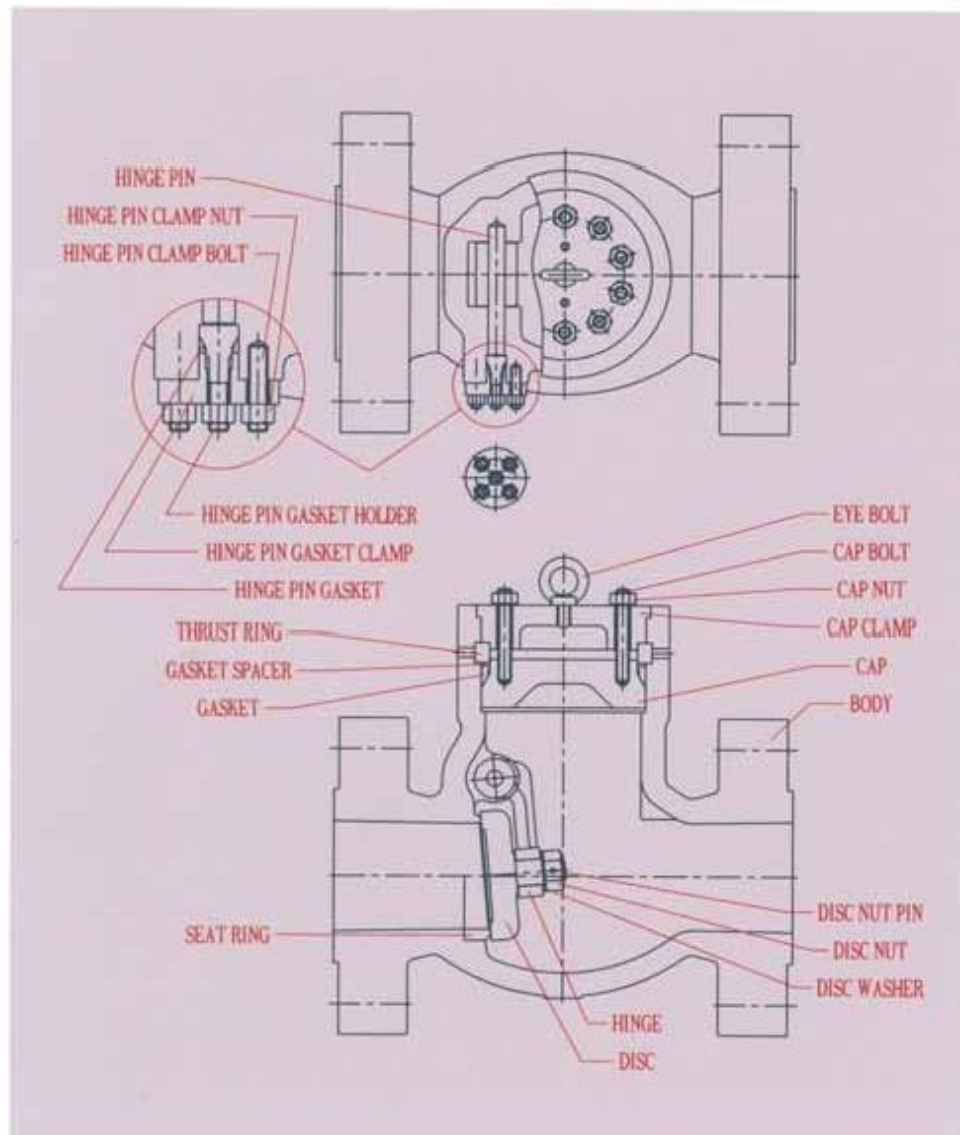
UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L & L1		368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549			
L2		371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568			
H		254	275	267	321	381	458	496	584	635	725	925	1075	1245			
WEIGHT (KGF)	RF	73	95.4	87	145	313	499	772	1080	1385	1939	2736	3560	5165			
	BW	55	85	78	108	245	385	545	910	1135	1525	2300	2805	4093			



UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L & L1		368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943			
L2		371	422	473	549	711	842	1001	1146	1276	1406	1559	1686	1971			
H		254	275	390	440	600	690	785	1025	1056	1078	1185	1300	1450			
WEIGHT (KGF)	RF	73	95.4	141	218	444	945	1356	1986	2880	4032	5445	7352	10890			
	BW	55	85	115	175	330	755	1020	1453	2155	3150	4250	5825	8430			



SPECIFICATION

BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 or ASME B16.47
TESTED BY	API 598

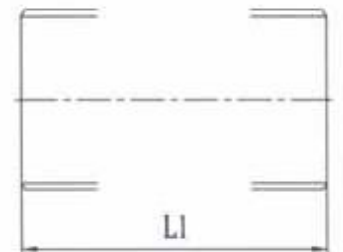
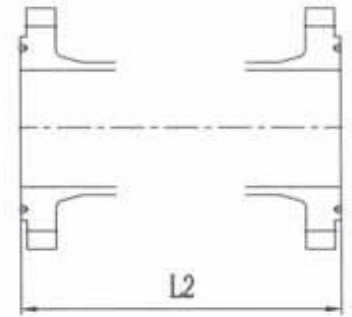
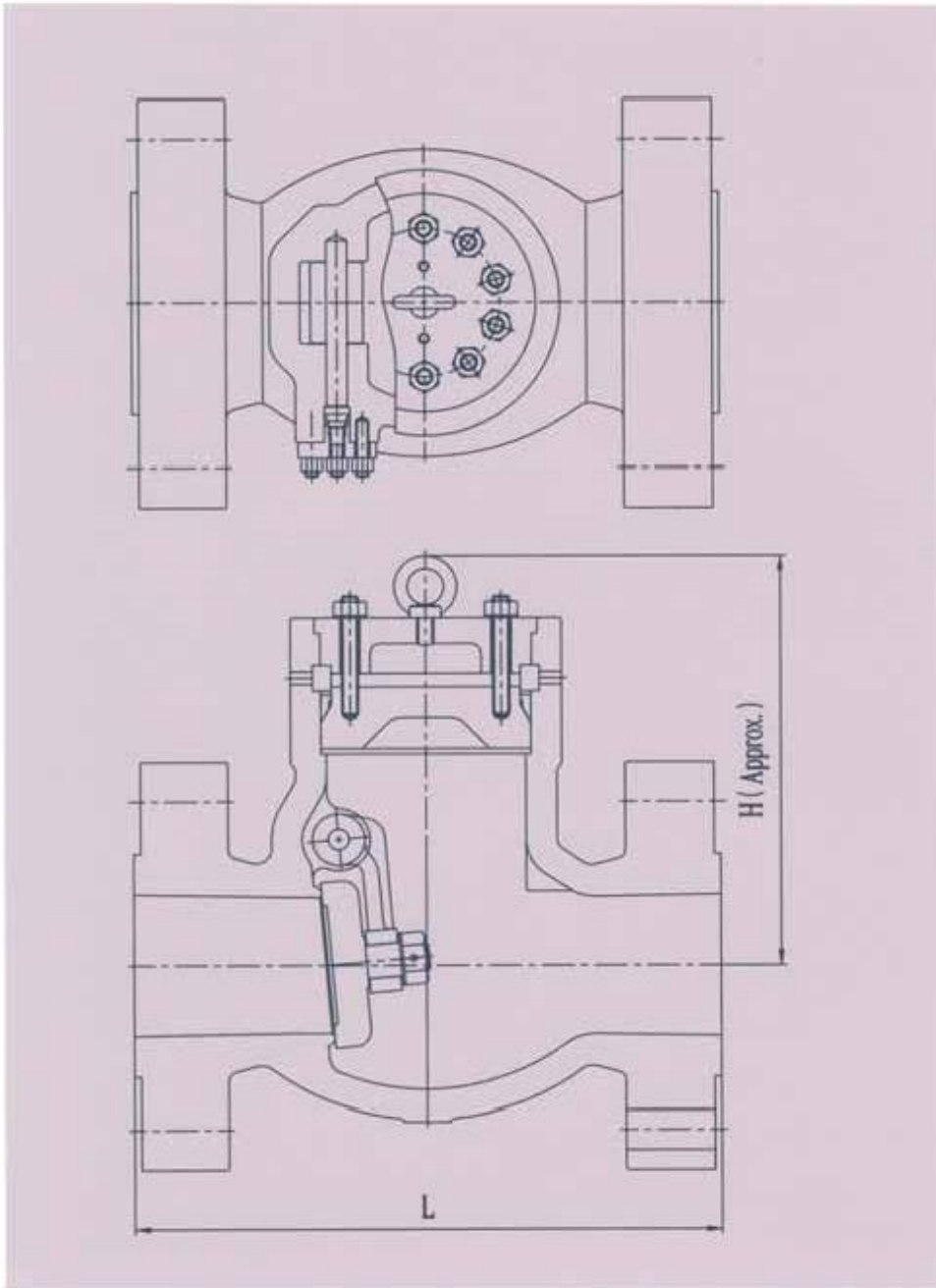
EXAMINATION

RADIOGRAPHY EXAMINATION	ASME B16.34 ANNEX B
MAGNETIC PARTICLE EXAMINATION	ASME B16.34 ANNEX C
LIQUID PENETRANT EXAMINATION	ASME B16.34 ANNEX D
ULTRASONIC EXAMINATION	ASME B16.34 ANNEX E

* EXAMINATIONS SHALL BE TESTED,
IF SPECIFIED IN THE PURCHASE ORDER.

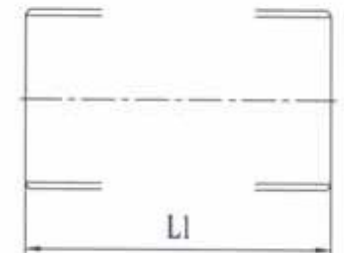
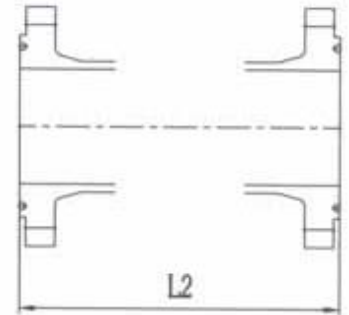
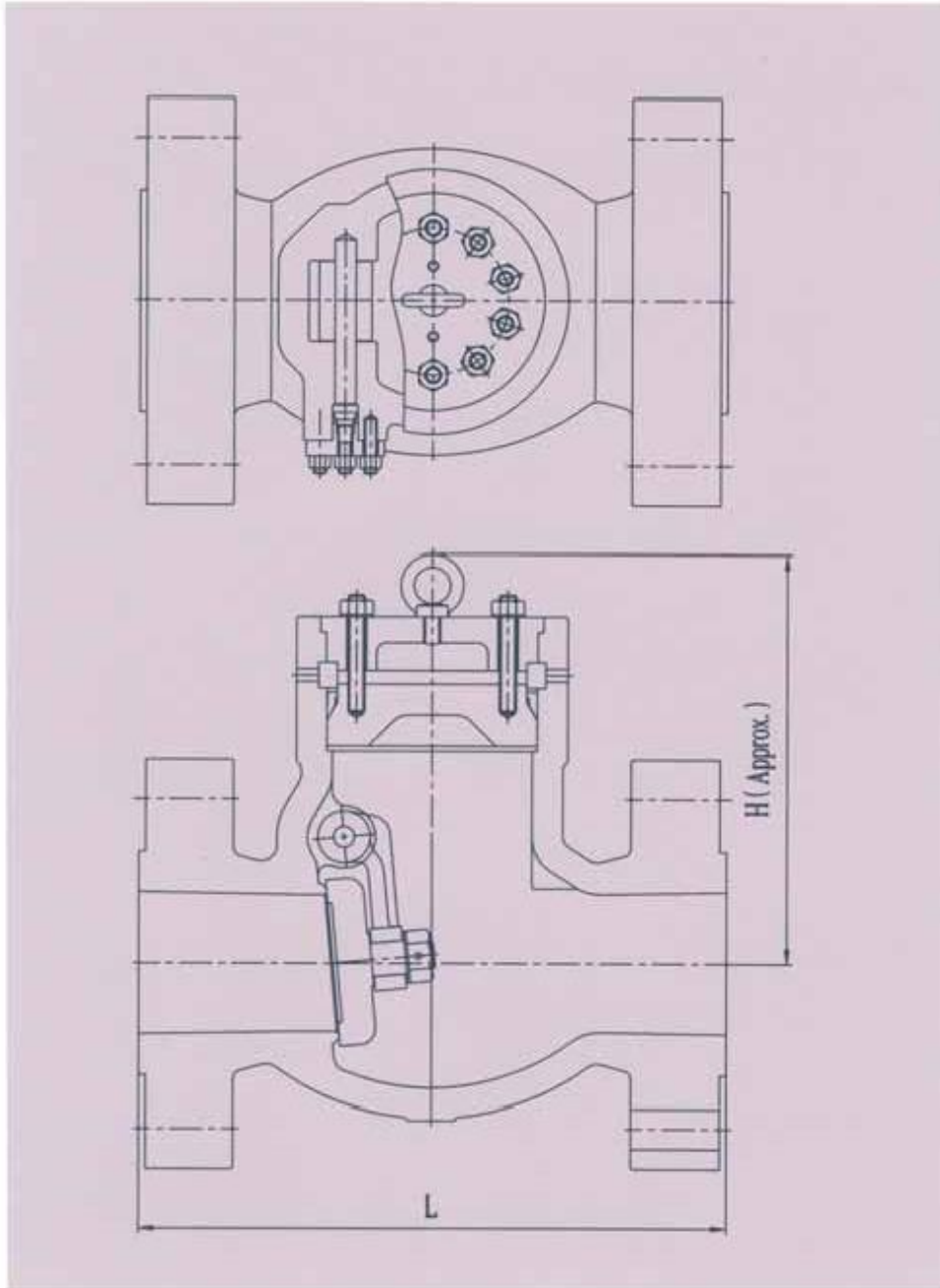
DESCRIPTION	MATERIAL			
BODY	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
CAP	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
CAP CLAMP	A216 WCB		A351 CF8	
DISC	BODY MATERIAL + STL			
SEAT RING	INTEGRAL + STL			
HINGE	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
HINGE PIN	A276 T410		A276 304, 316, 304L, 316L, 321	UNS N08020
DISC WASHER	A240 304		A240 304, 316, 304L, 316L, 321	UNS N08020
DISC NUT	A194 8		A194 8, 8M, 8LN, 8MLN, 8C	UNS N08020
DISC NUT PIN	A276 304		A276 304, 316, 304L, 316L, 321	UNS N08020
CAP BOLT	A193 B7	A193 B16	A193 B7	
CAP NUT	A194 2H	A194 Gr.4	A194 2H	
EYE BOLT	A193 B7			
HINGE PIN CLAMP	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
HINGE PIN CLAMP BOLT	A193 B7	A193 B16	A193 B7	
HINGE PIN CLAMP NUT	A194 2H	A194 Gr.4	A194 2H	
HINGE PIN GASKET HOLDER	A276 T410		A276 304, 316, 304L, 316L, 321	UNS B08020
THRUST RING	A240 304			
GASKET SPACER	A240 304			
HINGE PIN GASKET	DIE FORMED GRAFOIL (ENDLESS RING TYPE)			
GASKET	DIE FORMED GRAFOIL (ENDLESS RING TYPE)			
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER				

OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER



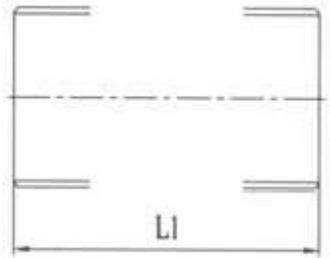
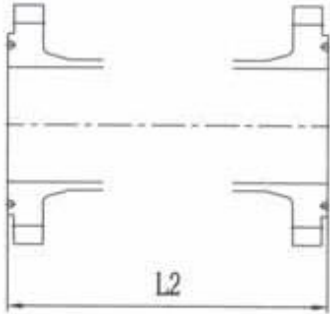
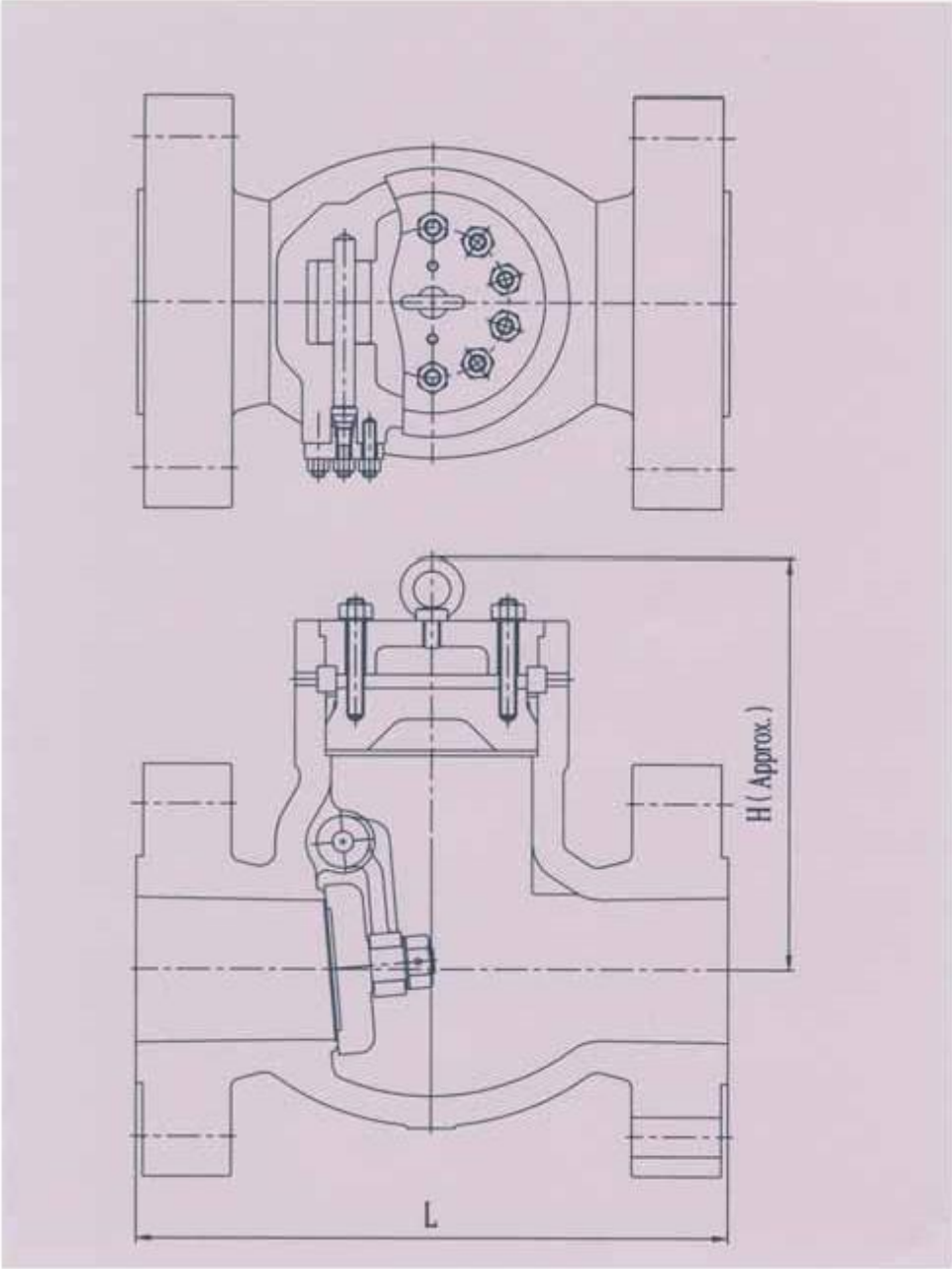
UNIT : mm

VALVE SIZE		1 ½"	2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
L		241	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L1		152	178	216	254	305	457	584	711	813	889	991	1092	1194	1397	1448	1549	1651
L2		241	295	333	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1562	1664
H		195	204	215	225	265	324	466	505	565	625	675	730	890	1020	1150	1270	1405
WEIGHT (KGF)	RF	22	32	41	35	68	134	265	422	595	730	985	1280	1675	2325	2945	3504	4379
	BW	14	23	29	28	44	80	195	305	455	656	789	1142	1437	1729	2250	2780	3469



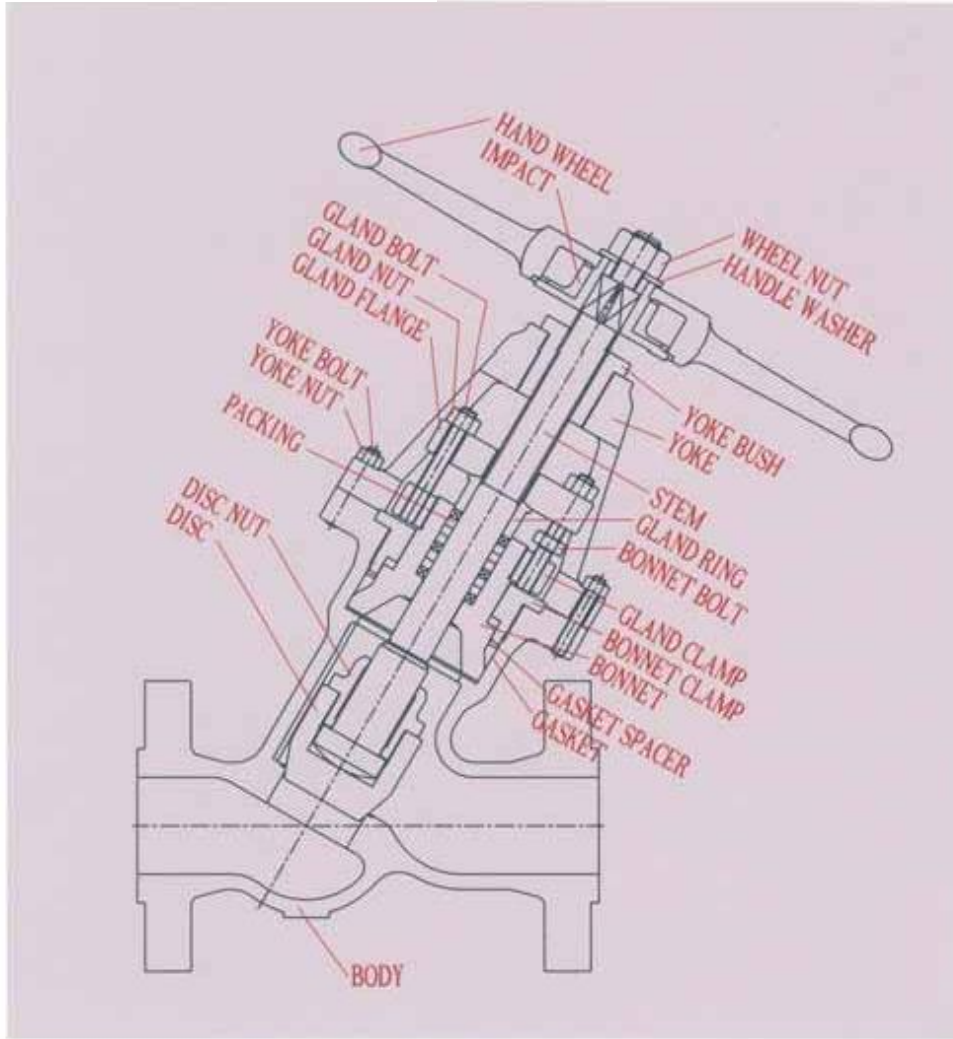
UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L		368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549			
L1		216	254	305	356	508	660	787	914	991	1092	1219	1321	1549			
L2		371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568			
H		245	270	285	330	400	565	615	690	775	810	940	1050	1150			
WEIGHT (KGF)	RF	43	52	63	105	220	480	750	1145	1410	1510	2080	2540	3795			
	BW	25	32	43	69	157	363	610	895	1114	1243	1695	2015	2715			



UNIT : mm

VALVE SIZE		2"	2 ½"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"			
L		368	419	470	546	705	832	991	1130	1257	1384	1537	1664	1943			
L1		216	254	305	406	559	711	864	991	1067	1384	1537	1664	1943			
L2		371	422	384	460	711	842	1001	1146	1276	1406	1559	1686	1971			
H		245	270	285	330	600	690	785	1025	1056	1078	1185	1300	1450			
WEIGHT (KGF)	RF	43	52	97	220	385	555	970	1380	1910	2420	3050	3860	5700			
	BW	25	32	51	157	277	438	691	975	1289	1349	1970	2530	3450			



SPECIFICATION

BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
BEVEL END	ASME B16.25
FLANGE DIMENSION	ASME B16.5 or ASME B16.47
TESTED BY	API 598

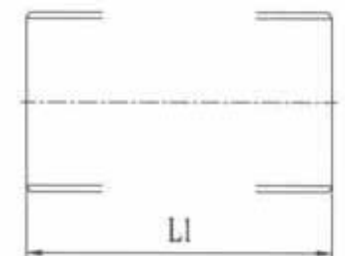
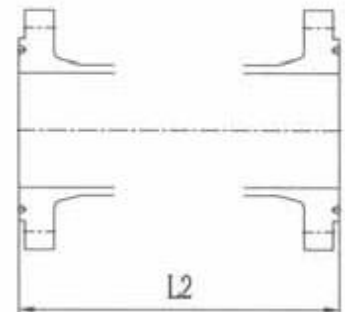
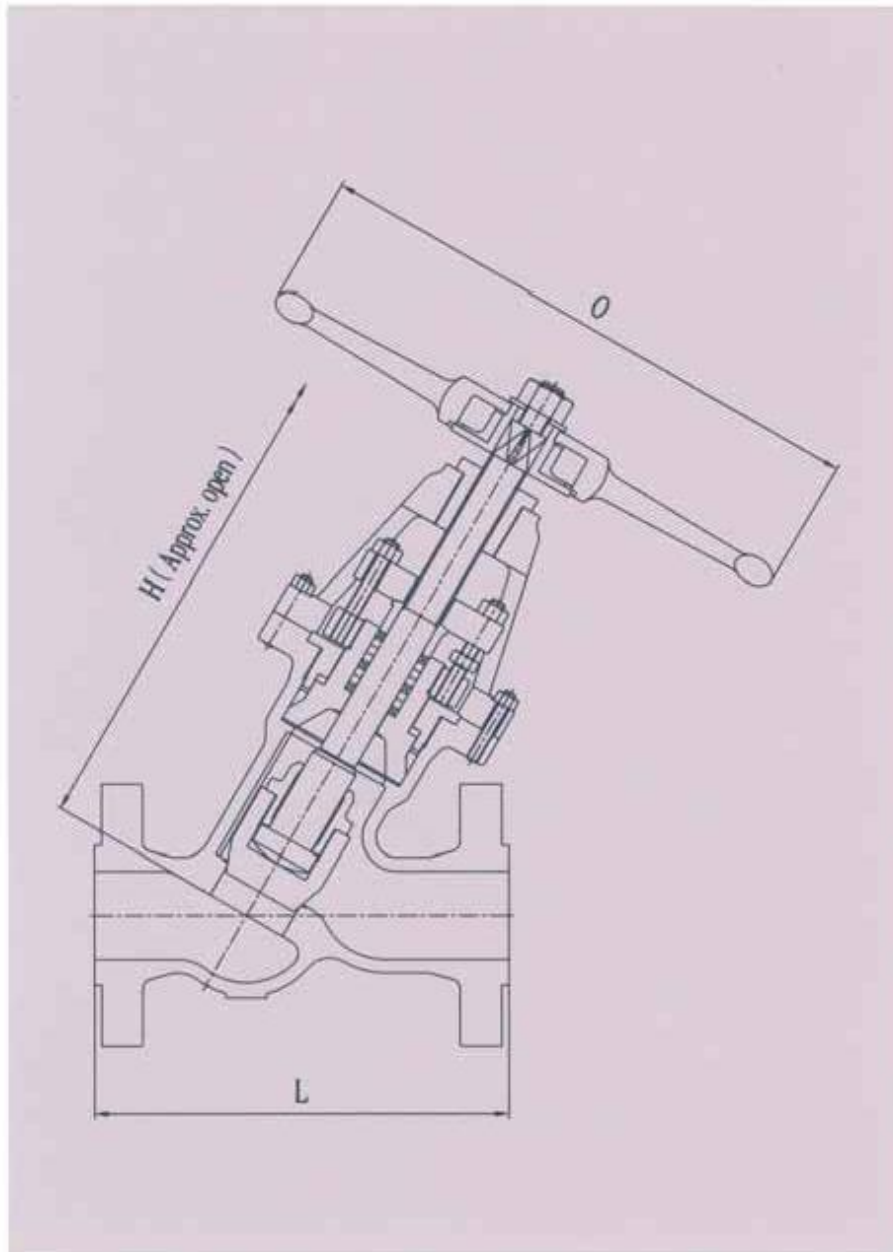
EXAMINATION

RADIOGRAPHY EXAMINATION	ASME B16.34 ANNEX B
MAGNETIC PARTICLE EXAMINATION	ASME B16.34 ANNEX C
LIQUID PENETRANT EXAMINATION	ASME B16.34 ANNEX D
ULTRASONIC EXAMINATION	ASME B16.34 ANNEX E

* EXAMINATIONS SHALL BE TESTED.
IF SPECIFIED IN THE PURCHASE ORDER.

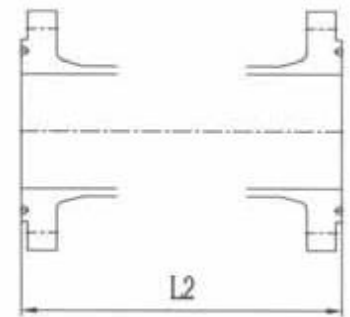
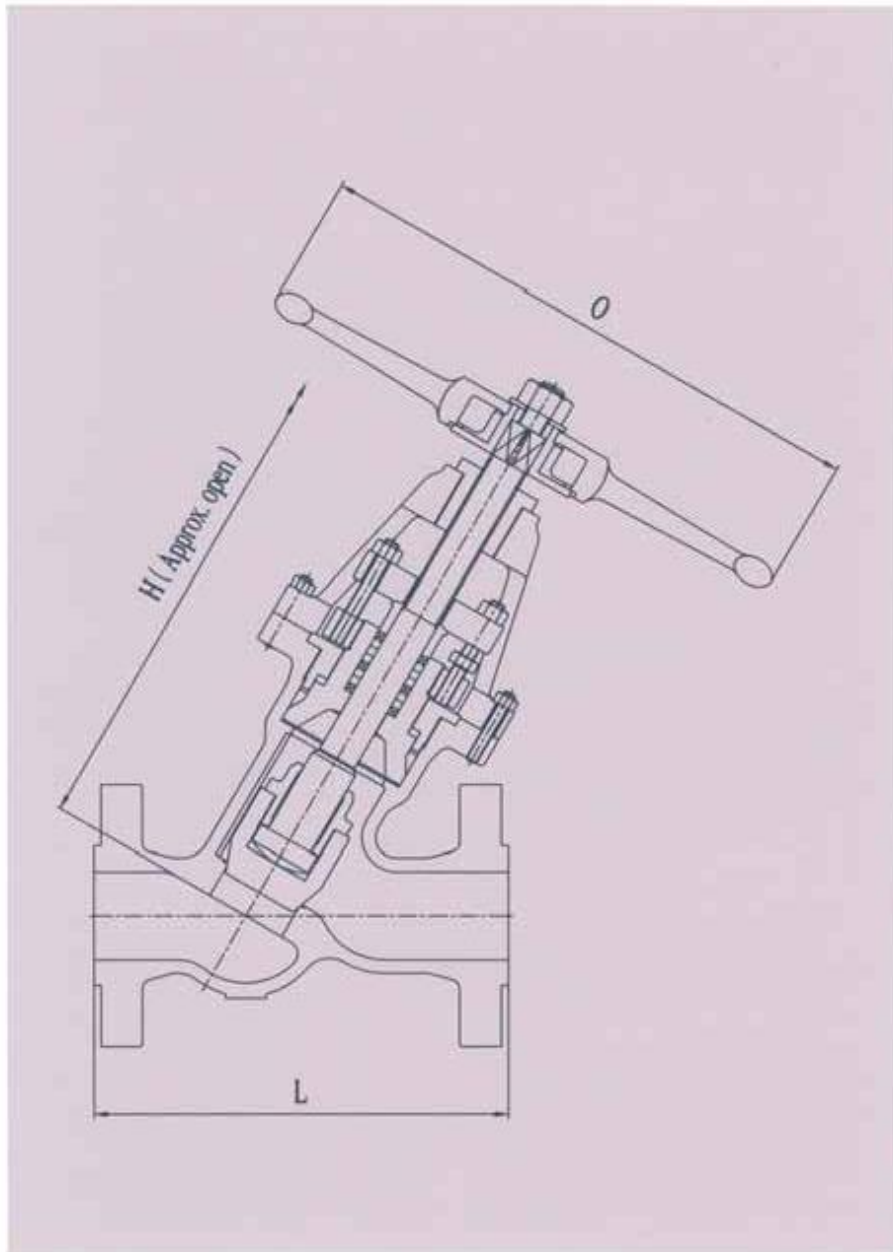
DESCRIPTION	MATERIAL			
	CARBON STEEL	LOW ALLOY STEEL	STAINLESS STEEL	
BODY	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNET	A216 WCB	A217 WC1, WC6, WC9, C5, C12	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BONNETCLAMP		A216 WCB	A351 CF8	
DISC		BODY MATERIAL + STL		
SEAT RING		INTEGRAL + STL		
YOKE		A216 WCB	A351 CF8	
STEM		A276 T410	A276 304, 316, 304L, 316L, 321	UNS N08020
BACK SEAT RING		INTEGRAL + 304 OVERRAY	INTEGRAL	
GLAND RING		A276 410	A276 304, 316, 304L, 316L, 321	UNS N08020
GLAND CLAMP		A216 WCB	A351 CF8	
GLAND FLANGE		A216 WCB	A351 CF8	
YOKE BUSH		A276 420J2 (HRC 55. SURFACE Hv 1000-1250 : VACUUM-HEATTREATMENT + NITRIDING		
HANDLE WASHER		A108 1020	A240 304	
IMPACT		A216 WCB		
HAND WHEEL		A216 WCB or STEEL PIPE (GEAR TYPE ONLY)		
WHEEL NUT		A307 Gr.B + Zn PLATED	A194 8	
THRUST RING			A240 304	
BONNET BOLT	A193 B7	A193 B16	A193 B7 + Zn. PLATED	
BONNET NUT	A194 2H	A194 Gr.4	A194 2H + Zn. PLATED	
YOKE BOLT			A193 B7	
YOKE NUT			A194 2H	
GLAND BOLT		A307 Gr.B	A193 B8	
GLAND NUT		A194 2H	A194 2H + Zn. PLATED	
GASKET SPACER			A240 410	
GASKET			DIE FORMET GRAFOIL (ENDLESS RING TYPE)	
PACKING			CARBON FIBER + GRAFOIL	

OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER.



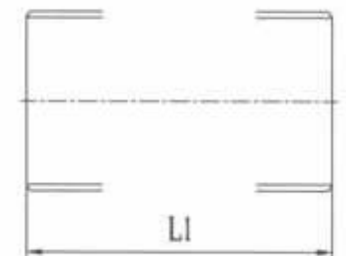
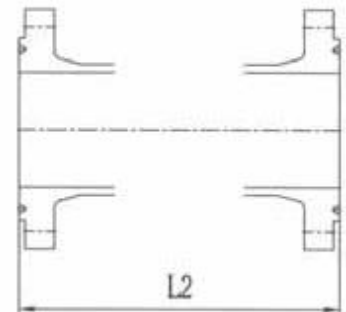
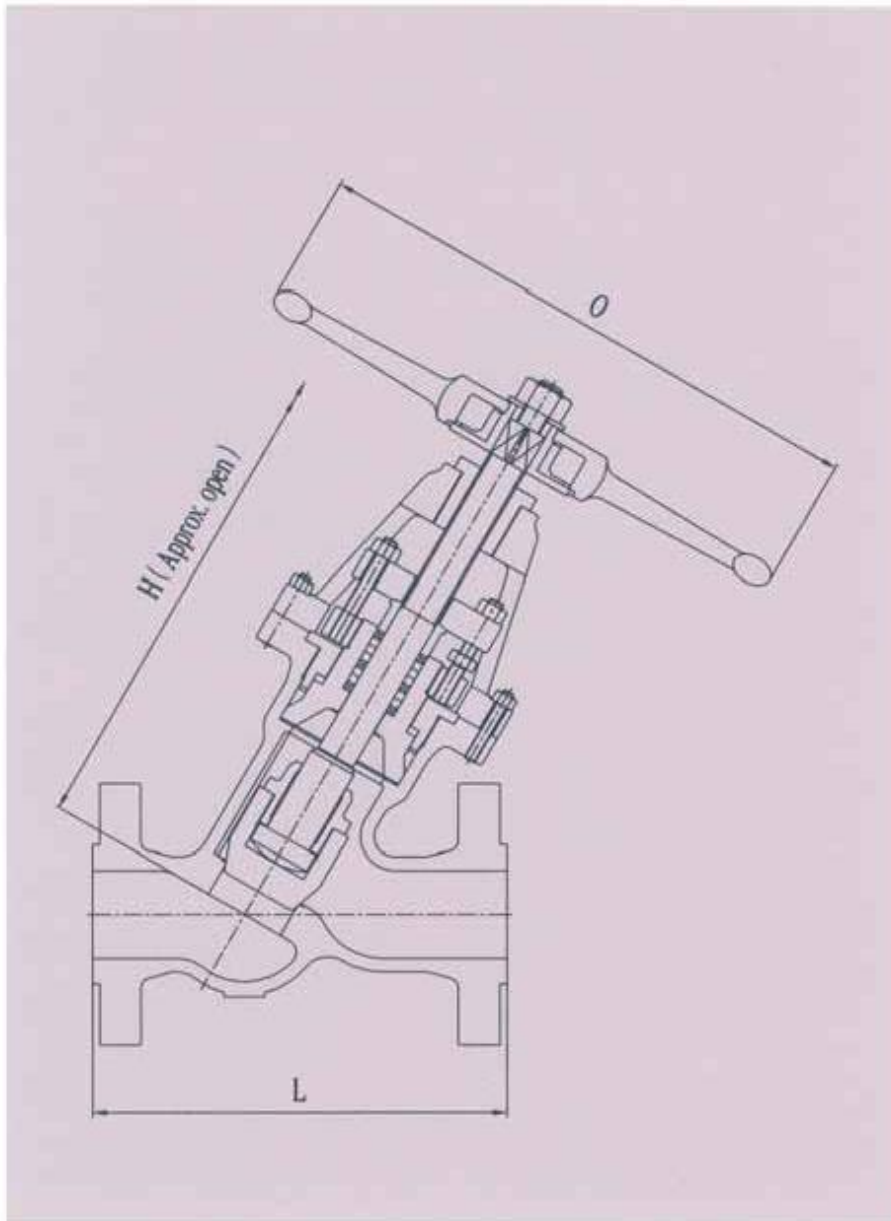
UNIT : mm

VALVE SIZE		1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"						
L		241	292	330	356	432	559	660	787	838						
L1		152	178	216	254	305	457	584	711	813						
L2		241	295	333	359	435	562	663	790	841						
O		300	300	350	350	450	550	650	800	850						
H		397	435	450	547	680	889	997	1065	1125						
WEIGHT (KGF)	RF	64	70	89	98	150	240	345	465	581						
	BW	47	51	84	82	118	183	265	310	405						



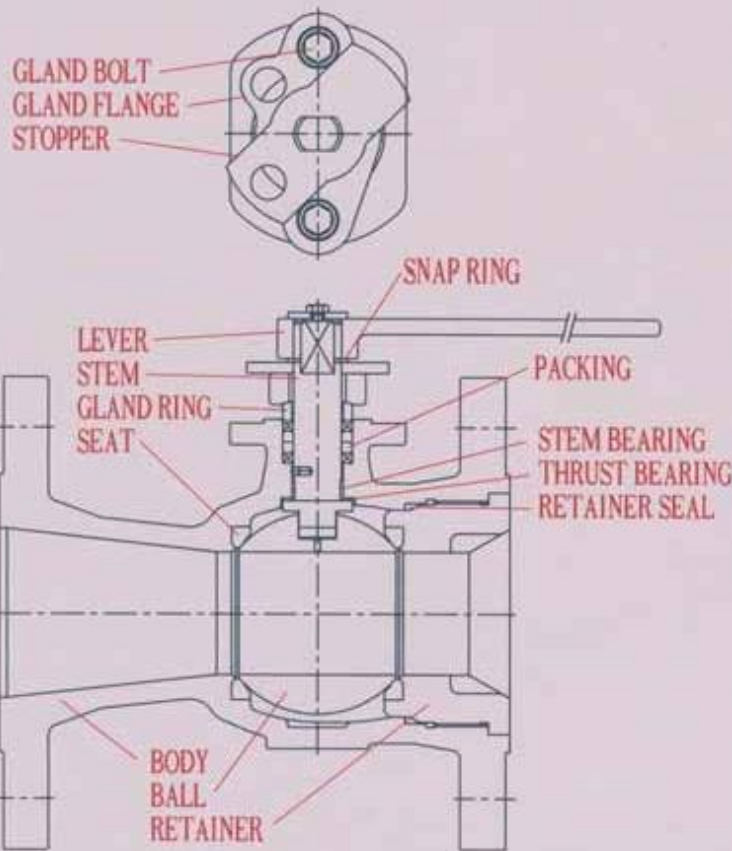
UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"	12"							
L		368	419	381	457	610	737	838	965							
L1		216	254	305	356	508	660	787	914							
L2		371	422	384	460	613	740	841	968							
O		400	400	450	500	610	750	850	950							
H		596	648	724	823	1020	1182	1286	1445							
WEIGHT (KGF)	RF	74	90	105	142	330	670	1060	1360							
	BW	56	62	82	96	230	520	740	1080							



UNIT : mm

VALVE SIZE		2"	2 1/2"	3"	4"	6"	8"	10"								
L		368	419	470	546	705	832	991								
L1		216	254	305	406	559	711	864								
L2		371	422	473	549	711	842	1001								
O		400	400	500	610	700	850	1000								
H		596	648	724	823	1020	1182	1286								
WEIGHT (KGF)	RF	74	90	118	198	450	850	1325								
	BW	56	62	79	143	330	645	976								



SPECIFICATION

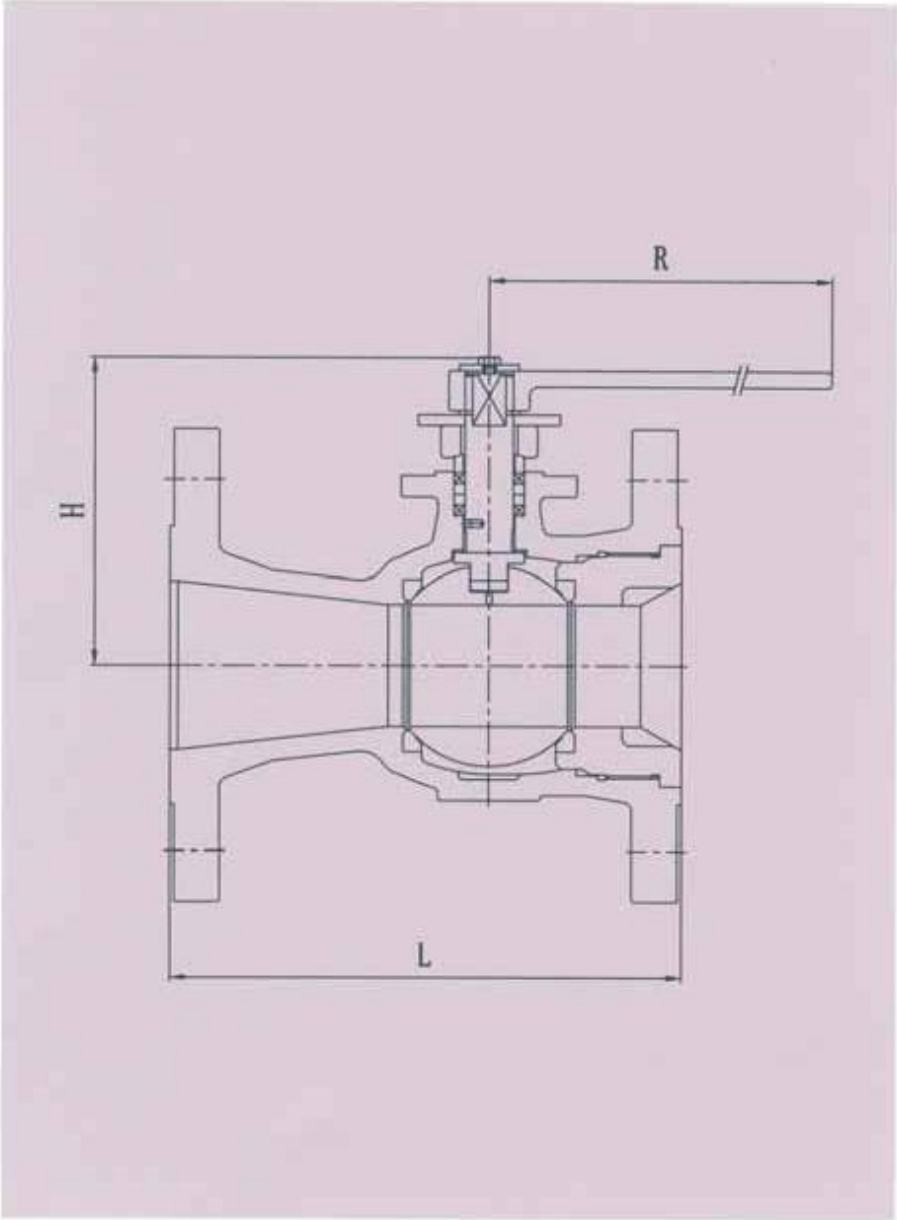
BASIC DESIGN	ASME B16.34
FACE-TO-FACE END-TO-END	ASME B16.10
FLANGE DIMENSION	ASME B16.5
TESTED BY	API 598

NOTICE :

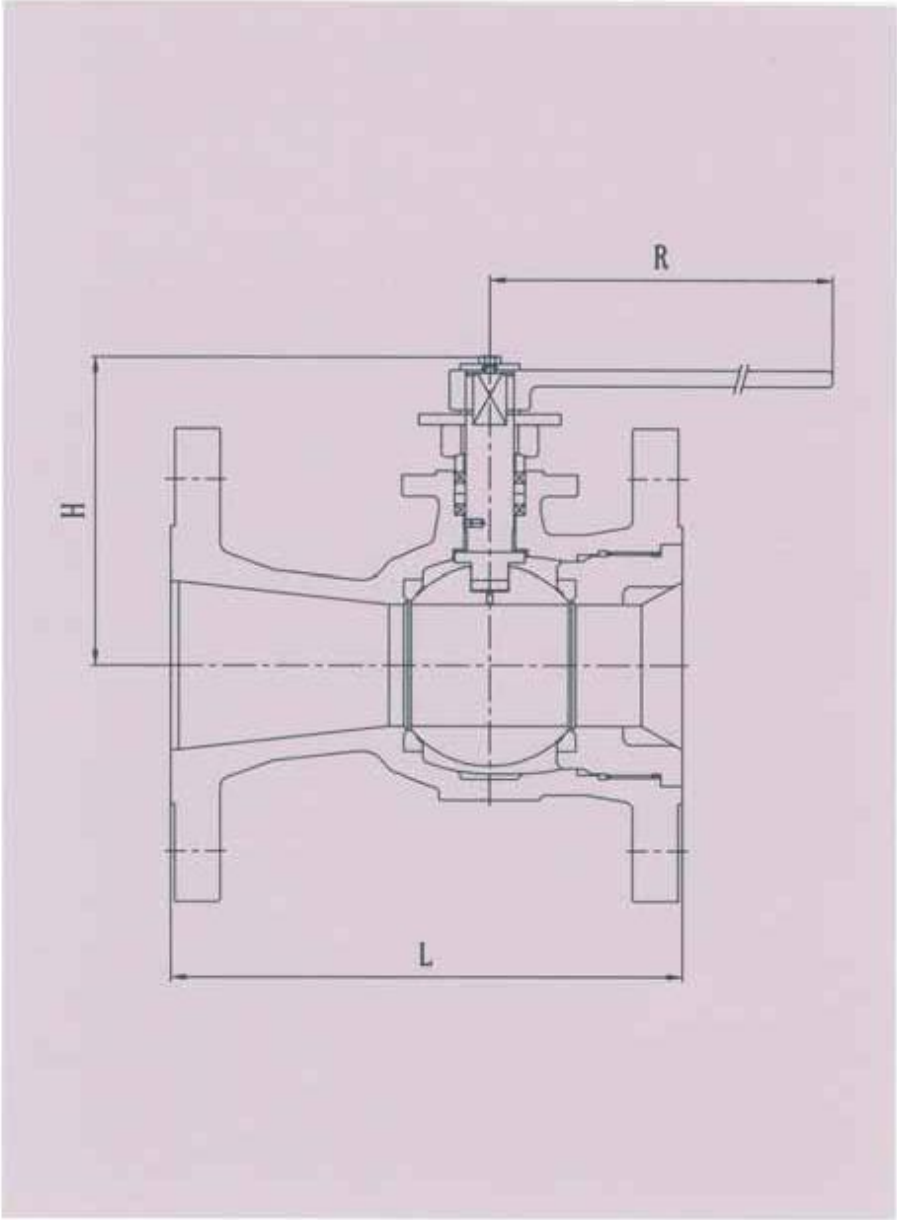
- FIRE SAFE DESIGN
- ANTI-BLOWOUT STEM
- ANTI-ELECTROSTATIC
- LOCKING DEVICE
- ISOS211 MOUNT PAD

DESCRIPTION	MATERIAL			
	CARBON STEEL		STAINLESS STEEL	
BODY	A216 WCB	A352 LCB	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
RETAINER	A216 WCB	A352 LCB	A351 CF8, CF8M, CF3, CF3M, CF8C	A351 CN7M
BALL	A351 CF8M		BODY MATERIAL	
STEM	A276 316		A276 304, 316, 304L, 316L, 321	UNS N08020
LEVER	DUCTILE IRON			
GLAND BOLT	A307 Gr.B		A193 B8	
GLAND FLANGE	A216 WCB		A351 CF8	
GLAND RING	A276 316		A276 304, 316, 304L, 316L, 321	UNS N08020
STOPPER	A108 1020		A240 304	
SEAT	R-PTFE			
THRUST WASHER	PTFE			
STEM BEARING	PTFE			
RETAINER SEAL	PTFE			
SNAP RING	CARBON TOOL STEEL			
PACKING	CARBON FIBER + GRAFOIL			
OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER.				

OTHER MATERIALS ARE TO SPECIFIED AS PURCHASE ORDER.



UNIT : mm																
VALVE SIZE	2"	2 1/2"	3"	4"	6"	8"	10"									
L	178	190	203	229	267	292	330									
R	230	280	280	410	550	700	800									
H	98	120	140	162	198	255	295									
WEIGHT (Kgf)	10	15	19	30	49	98	138									



UNIT : mm

VALVE SIZE	2"	2 1/2"	3"	4"	6"	8"	10"									
L	216	241	282	305	403	419	457									
R	230	280	280	410	550	700	800									
H	98	120	140	162	198	255	295									
WEIGHT (Kgf)	14	22	28	45	81	135	216									

G-CERTI *Certificate*

hereby certifies that

SGVALVE CORP.

42, Yuha-ro 59beon-gil, Gimhae-si,
Gyeongsangnam-do, Korea

meets the Standard Requirements & Scope as following

ISO 14001:2015 Environmental Management Systems

Design & Development, Manufacture & Servicing of Gate Valve,
Globe Valve, Check Valve, Ball Valve, Strainer Valve

Certificate No : GIS-5606-EC
Valid Period : 10 Dec 2021 ~ 09 Dec 2024
Expiry Date : 09 Dec 2024 Issue Date : 10 Dec 2021
Initial Date : 10 Dec 2021

Signed for and on behalf of GCERTI
President I.K.Choi



To verify the validity of this certificate please visit : www.gcerti.com
Korea, Seoul, Eunpyeong-gu, Eunpyeong-ro, 88, 15F. Surveillance
audits shall be conducted at least once a calendar year, except in
recertification years. This is to certify that the Management Systems
of this company has been found to confirm to the above. If the certified
client does not allow surveillance, recertification audits, certificate should
be returned to GCERTI. This certificate remains the property of GCERTI
and this certificate is recognized by GCERTI.



G-CERTI *Certificate*

hereby certifies that

SGVALVE CORP.

42, Yuha-ro 59beon-gil, Gimhae-si,
Gyeongsangnam-do, Korea

meets the Standard Requirements & Scope as following

ISO 9001:2015 Quality Management Systems

Design & Development, Manufacture & Servicing of Gate Valve,
Globe Valve, Check Valve, Ball Valve, Strainer Valve

Certificate No : GIS-5606-QC
Valid Period : 10 Dec 2021 ~ 09 Dec 2024
Expiry Date : 09 Dec 2024 Issue Date : 10 Dec 2021
Initial Date : 10 Dec 2021

Signed for and on behalf of GCERTI
President I.K.Choi



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and this certificate is recognized by GCERTI.



NICE-2021-77-004290



2021 Certification of Excellent Technology Enterprise

SGVALVE CORPORATION

2021.10.05 ~ 2022.10.05

CEO : Yang-gil, Kim

Technology rating : T-5 (Excellent)

Technology classification : Valve(OQ4261_1)

Technology description : Industrial valve manufacturing technolog

This is to certify that above company is
a company with excellent technology business capability and
technology competitiveness according to the technology
evaluation of NICE Information Service Co., Ltd.

NICE Information Service Co., Ltd. CEO



GATE VALVES BOLTED BONNET
 GATE VALVES PRESSURE SEAL BONNET
 SWING CHECK VALVES BOLTED BONNET / COVER / CAP
 SWING CHECK VALVES PRESSURE SEAL COVER
 GLOBE VALVES
 DUO-CHECK VALVE
 BALL VALVES REDUCED BORE, 1-PIECE
 Y-GLOBE VALVES PRESSURE SEAL BONNET
 BELLOWS VALVE
 CRYOGENIC SERVICE



SGV 에스지밸브(주)
 SMART GREEN VALVE

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 TEL : +82-55-312-4120
 FAX : +82-55-312-4121