



MVC FACTORY

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MVC VALVES.

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KEW™ Triple O Ring
Butterfly Valve

MARCO™ Ball Valve
Center

VALMASTER™ Solutions for Full Chain
Pipeline Valve Systems

Gate & Globe & Check Valve



MVC Industrial Valves

In order to efficiently serve our customers, we have opened MVC in USA. All this infrastructure enables us to serve the market of North America, Central America, South America, Europe and Africa

MVC It is fully committed to promoting technological development in the fields of low temperature, high temperature, high pressure air sealing, low torque and minimal leakage.

In 2012, we established factory in China. With extensive application experience and comprehensive capabilities, we provide tailor-made solutions for your valve automation needs.



Quality System

MVC's management team adheres to strict policies ensuring that no defects occur in the valves used for industrial services. To maintain this discipline, we enforce internal regulations and a robust working process system. Third parties and customers are regularly invited to audit and approve our system.

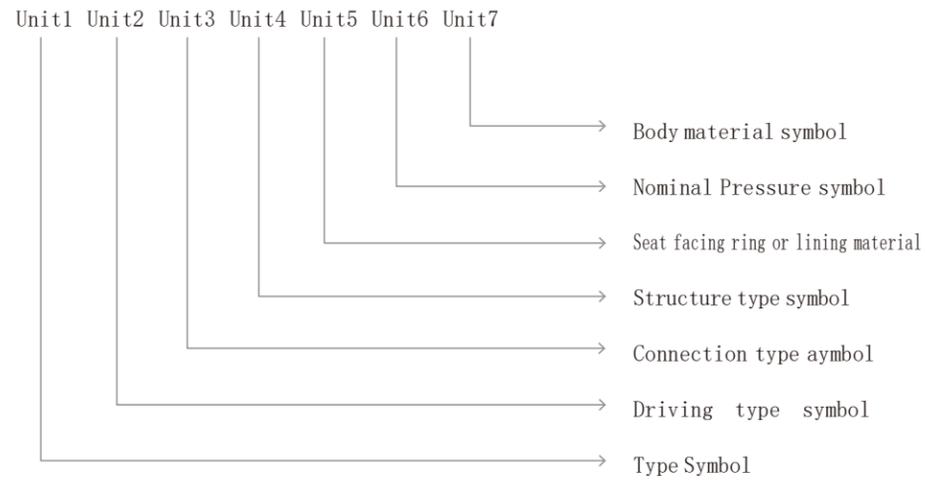
MVC holds ISO9001, API6D, CE, TS, and other key certifications. All raw materials undergo re-testing for properties and mechanical performance upon arrival at our factory to ensure they meet machining standards. Non-destructive testing (NDE), including UT, MT, PT, and RT, is conducted by our quality control department during or before machining.

Every valve undergoes shell and sealing hydraulic tests, as well as air sealing tests. For valves used in special applications, additional tests such as fugitive emission, high/low temperature cycling, life, fire safety, cryogenic, and cleanliness tests after degreasing are available upon client request.



Model of valve

The model is made of 7 units, and the meaning see to figure.



Type Symbol

Valve type	Gate valve	Globe valve	Throttle valve	Ball valve	Check valve and foot valve	Butterfly valve
Number	Z	J	L	Q	H	D

Note: For doors with low temperature (below 40), moisture retention (equipped with heating pipes), and bellows, add the Chinese Pinyin letters "D", "B", and "W" respectively to the type code.

Driving Mode

Driving mode	Solenoid	Solenoid - hydraulic	Electro - hydraulic	Worm gear	Gear wheel
Number	0	1	2	3	4
Driving mode	Umbrella gear	Pneumatic	Hydraulic	Pneumatic - hydraulic	Electric
Number	5	6	7	8	9

1. Hard wheel, lever and spanner driving and safety valve, pressure reducing valve, traps overlap this symbol.
2. As to pneumatic and Hydraulic; normally open use 6k, 7k to express, normally close use 68, 7B to express, pneumatic with manual use 6s to express, explosion resistance electric use 9B to express.

Connection Type

Connection type	Inside screw	Outside screw	Flange	Jointing	Wafer
Number	1	2	4	6	7

Weld including B—weld and socket weld.

Structure Type

Number	0	1	2	3	4	5	6	7
Type	Structure Type							
Gate Valve	Rising spindle				Nonrising Steam			
	Wedge		Parallel		Wedge			
	Flexible Disc	Rigidity						
Single Disc		Double Disc	Single Disc	Double Disc	Single Disc	Double Disc		
Globe Valve	Through Way Type			Angle Type	Obisque Type	Balance		
Throttle Valve						Angle Type	Though Way Type	
Ball Valve	Float Ball					Fixed Ball		
	Through way type	Y Shaped Way			L Shaped Way	Three way	Four Way	Through way type
Check Valve	Lift Type			Swing				
	Through way type	Vertical			Single Disc	Multi Disc	Double Disc	
Butterfly Valve	Lever Type	Vertical disc type	Inclined disc					

Valve Seat or Lining Material

Use "W" to express seat facing ring material which process directly by valve body. When seat and disc sealing material are different, use low hardness material symbol to express/except diaphragm valve!

Use arable number to express symbol of nominal pressure, and numerical value is ten double working pressure value regard MPa as unit.

Seat facing ring or lining material	Bronze alloy	Rubber	Nylon
Number	T	X	N
Seat facing ring or lining material	Nitride steel	Carbide alloy	Bottom
Number	D	Y	J
Seat facing ring or lining material	Fluoring plastic	Tin alloy	Alloy steel
Number	F	B	H
Seat facing ring or lining material	Lead lining	Porcelain enamel	Born steel
Number	Q	C	P

Seat facing ring or lining material	Number	Body Material	Number
Greyly cast iron	Z	1Cr6Mo、ZG1Cr6Mo	I
Forgeable cast iron	K	1Cr18Ni9Ti、ZG1Cr18Ni9Ti	P
Ductile cast iron	Q	1Cr18Ni12MoTi ZG1Cr18Ni12Mo2Ti	R
Brezes and bronze alloy	T	12CrMoV	V
Carbon steel	C	ZG12CrMoV	

Cast Steel Gate Valve Technical Standard

Design standard:

API600, ASME B16. 34, BS1414, GB12234

Face to face:

API16. 10, GB12221

Connecting size:

ASME B16. 5, ASME B16. 47, ASME B16. 25, GB9113, GB12224

Inspection and test:

ISO5208, API598, BS6755, JB/T9092, GB/T13927

API Pressure Test (Mpa)

Class	Back seal Test	Back seal Test	Back seal Test	Back seal Test
150	3.0	2.2	2.2	0.6
300	7.5	5.5	5.5	
600	15.0	11.0	11.0	
900	22.5	16.5	16.5	
1500	37.5	27.5	27.5	
2500	63.0	46.2	46.2	

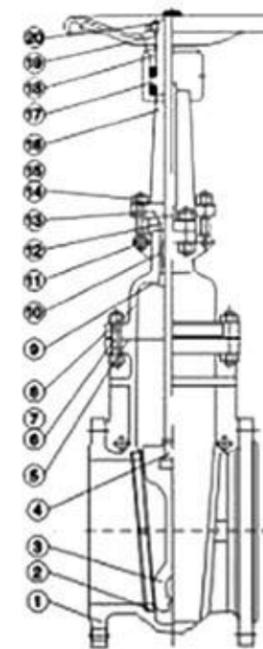
GB Pressure Test (Mpa)

Class	Back seal Test	Back seal Test	Back seal Test	Back seal Test
1.6	2.4	1.76	1.76	0.6
2.5	3.75	2.75	2.75	
4.0	6.0	4.4	4.4	
6.4	9.6	7.04	7.04	
10.0	15.0	11.0	11.0	

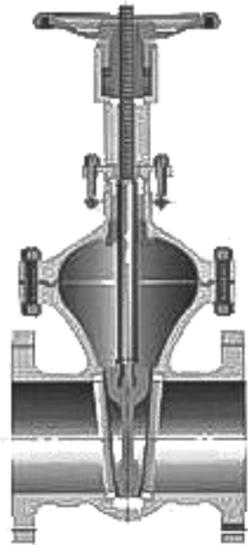
Material for Main Parts

Name of Parts	Carbon Steel		Alloy Steel		
	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9
Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Stem	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304
Stud	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
Yoke	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Back seat	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304
Stuffing cover	A276 410	A276 304	A276 304	A276 304	A276 304
Gland flange	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Name of Parts	Stainless Steel				
Body	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Bonnet	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Stem	A182 F304	A182 F316	A182 F304L	A182 F316L	F51
Stud	A193 B8	A193 B8M	A193 B8	A193 B8M	A193 B8M
Nut	A194 8	A194 8M	A194 8	A194 8M	A194 8M
Yoke	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Back seat	A182 F304	A182 F316	A182 F304L	A182 F316L	F51
Stuffing cover	A276 304	A276 316	A276 304	A276 316	F51
Gland flange	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU

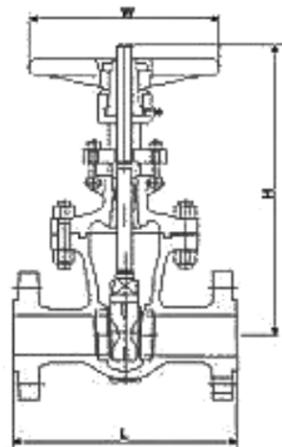
Name of Parts	
1	Body
2	Seat
3	Disc
4	Stem
5	Gasket
6	Bonnet rut
7	Stud
8	Borret
9	Back Seat
10	Packing
11	Pin
12	Stuffing cover
13	Gland flenge
14	Bolt
15	Nut
16	Yoke
17	Stem nut
18	Bearing cover
19	Hand wheel
20	Loding nut



Main Size and Weight



CLASS 150										
SIZE	inch	2	2-1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
L	mm	178	191	203	229	254	267	292	330	356
L1	mm	191	203	216	241	267	279	305	343	368
L2	mm	216	241	283	305	381	403	419	457	502
H	mm	361	398	435	522	570	610	750	935	1085
W	mm	250	250	280	300	350	350	400	400	500
H1	mm	-	-	-	-	-	-	-	1280	1510
W1	mm	-	-	-	-	-	-	-	310	400
T	N. m	12.4	17	23	34.5	60	85	125	138	200
WT (RF)	Kg	20	30	33	49	60	75	120	205	290
SIZE	inch	10	12	14	16	18	20	24	28	30
	mm	250	300	350	400	450	500	600	700	800
L	mm	381	406	482	457	508	610	610	660	711
L1	mm	394	419	445	470	521	-	-	-	-
L2	mm	572	610	660	711	813	914	914	965	1016
H	mm	1224	1345	1487	1627	1931	-	-	-	-
W	mm	600	600	600	680	920	-	-	-	-
H1	mm	1670	1885	2045	2210	2675	3050	3426	3515	4000
W1	mm	460	460	460	460	600	600	600	600	600
T	N. m	276	396	491	650	1018	1492	1703	2172	2563
WT (RF)	Kg	400	511	650	789	1200	1800	2560	3060	3500



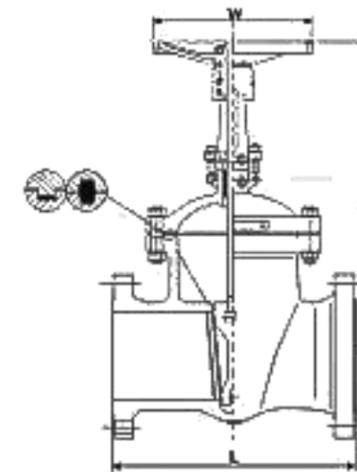
CLASS 300 尺寸

CLASS 300										
SIZE	inch	2	2-1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
L	mm	216	241	283	305	381	403	419	457	502
L1	mm	232	257	298	321	397	419	435	473	518
L2	mm	216	241	283	305	381	403	419	457	502
H	mm	352	390	420	496	570	635	772	995	1090
W	mm	250	250	250	300	350	400	450	500	600
H1	mm	-	-	-	-	-	-	-	1375	1524
W1	mm	-	-	-	-	-	-	-	460	460
T	N. m	27.5	40	54	80	194	202	228	354	558
WT (RF)	Kg	24	36	47	69	89	123	196	333	440
SIZE	inch	14	16	18	20	24	28	30	32	38
	mm	350	400	450	500	600	700	750	800	900
L	mm	762	838	914	991	1143	1346	1397	1624	1727
L1	mm	778	854	930	1010	1165	1372	1422	1553	1756
L2	mm	762	838	914	991	1143	1346	1397	1524	1727
H	mm	1265	1385	1510	1630	-	-	-	-	-
W	mm	650	750	750	920	-	-	-	-	-
H1	mm	1718	1860	2077	2310	2809	3078	3396	3700	4115
W1	mm	460	460	460	460	600	600	600	600	600
T	N. m	736	966	1259	1540	2658	4264	5403	6600	7900
WT (RF)	Kg	710	950	1405	1720	2770	3312	4100	5200	6700

Main Size and Weight



CLASS 600								
SIZE	inch	2	2-1/2	3	4	6	8	
	mm	50	65	80	100	150	200	
L	mm	292	330	356	432	559	660	
L1	mm	296	333	359	435	562	684	
L2	mm	292	330	356	432	559	660	
H	mm	375	410	463	550	713	874	
W	mm	250	250	300	350	500	600	
H1	mm	-	-	-	-	958	1148	
W1	mm	-	-	-	-	310	480	
T	N. m	54	84	116	209	329	592	
WT (RF)	Kg	39	52	68	114	285	413	
SIZE	inch	10	12	14	16	18	20	24
	mm	250	300	350	400	450	500	600
L	mm	787	838	889	991	1092	1194	1397
L1	mm	791	841	892	994	1095	1200	1407
L2	mm	787	838	889	991	1092	1194	1397
H	mm	995	1140	1385	-	-	-	-
W	mm	600	650	700	-	-	-	-
H1	mm	1350	1580	1630	2008	2140	2360	2710
W1	mm	460	460	460	600	600	600	600
T	N. m	937	1401	1773	2215	2962	3862	6505
WT (RF)	Kg	650	800	1140	1700	2208	2850	3500

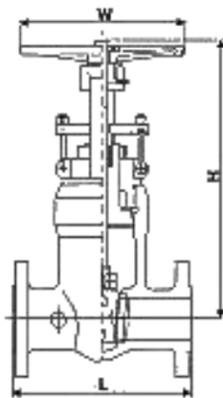


CLASS 900											
SIZE	inch	2	2-1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	360	400
L	mm	308	419	381	457	610	737	838	965	1009	1130
L1	mm	371	422	384	460	613	740	841	968	1068	1140
L2	mm	308	419	381	457	610	737	838	965	1009	1130
H	mm	445	480	513	613	834	875	1040	1150	-	-
W	mm	300	300	350	400	600	600	650	700	-	-
H1	mm	-	-	-	-	1000	1130	1600	1720	1796	1908
W1	mm	-	-	-	-	310	460	460	450	600	600
T	N. m	122	170	224	338	553	946	1376	2150	2508	3419
WT (RF)	Kg	72	101	130	197	404	650	850	1177	1500	1920

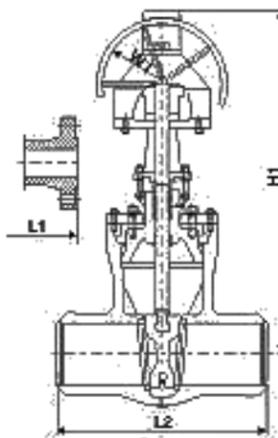
CLASS 1500											
SIZE	inch	2	2-1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	mm	368	419	470	546	705	832	991	1130	1257	1384
L1	mm	371	422	473	549	711	841	1000	1146	1276	1407
L2	mm	368	419	470	546	705	832	991	1130	1257	1384
H	mm	462	512	580	752	-	-	-	-	-	-
W	mm	300	350	400	550	-	-	-	-	-	-
H1	mm	-	-	-	860	1123	1360	1585	1800	2200	2550
W1	mm	-	-	-	310	400	400	400	600	600	600
T	N. m	167	280	385	500	1100	1685	2906	4188	5222	6504
WT (RF)	Kg	85	130	170	304	646	1100	1600	2106	2700	3500



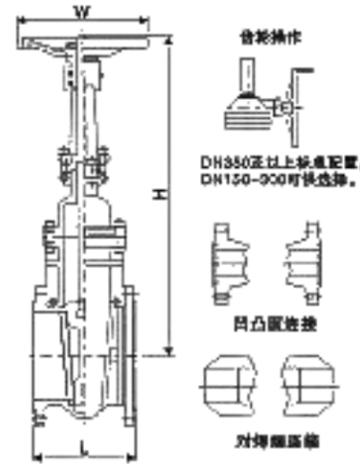
CLASS 900											
SIZE	inch	2	2-1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	mm	368	419	381	457	610	737	838	965	1029	1130
L1	mm	371	422	384	460	613	740	841	968	1038	1140
L2	mm	216	254	305	356	508	660	787	914	991	1092
H	mm	445	525	660	666	928	-	-	-	-	-
W	mm	300	300	350	400	600	-	-	-	-	-
H1	mm	-	-	-	-	-	1261	1530	1730	1842	2010
W1	mm	-	-	-	-	-	460	460	460	600	600
T	N. m	122	170	224	338	553	946	1376	2159	2508	3419
WT (BW)	Kg	50	74	90	110	195	505	745	1060	1410	1960



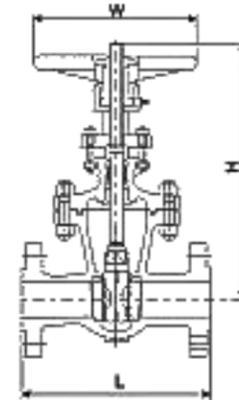
CLASS 1500											
SIZE	inch	2	2-1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	mm	368	419	470	546	705	832	991	1130	1257	1364
L1	mm	371	422	473	549	711	841	1000	1146	1276	1407
L2	mm	216	254	305	406	559	711	864	991	1067	1194
H	mm	485	554	672	768	-	-	-	-	-	-
W	mm	300	350	400	560	-	-	-	-	-	-
H1	mm	-	-	-	-	1123	1360	1550	1800	2060	2320
W1	mm	-	-	-	-	460	460	600	600	600	600
T	N. m	167	280	385	590	1100	1685	2906	4188	5222	6504
WT (BW)	Kg	50	74	90	158	350	690	1030	1460	1810	2760



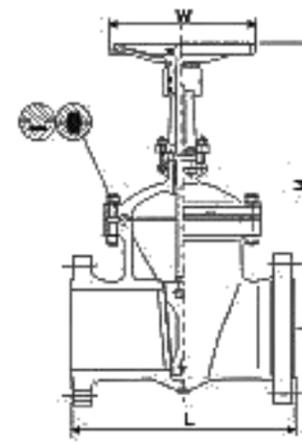
CLASS 2500											
SIZE	inch	2	2-1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	mm	451	508	578	673	914	1022	1270	1422	-	-
L1	mm	454	514	584	683	927	1038	1292	1445	-	-
L2	mm	279	330	368	457	610	762	914	1041	1118	1245
H	mm	594	753	840	880	-	-	-	-	-	-
W	mm	350	400	560	600	-	-	-	-	-	-
H1	mm	-	-	-	-	1205	1454	1610	2096	2291	2470
W1	mm	-	-	-	-	600	600	600	760	760	760
T	N. m	288	420	594	1000	1530	2200	3400	4600	6200	7500
WT (BW)	Kg	60	100	110	200	530	750	1610	3010	3410	4210



PN1.6/2.5 结构图



PN4.0 结构图

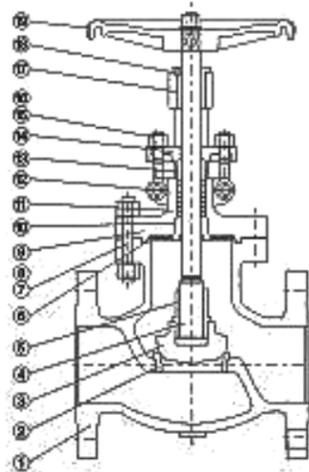
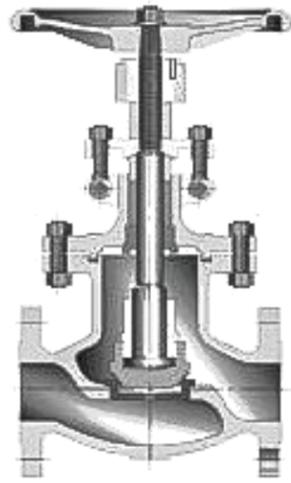


PN6.4/10.0 结构图

PN 1.6/2.5Mpa											
SIZE	mm	50	60	80	100	125	150	200	250	300	
L	mm	250	270	280	300	325	350	400	450	500	
H	mm	358	373	435	500	614	674	818	969	1145	
W	mm	240	240	280	300	320	360	400	460	560	
WT (PN1.6)	Kg	24	26	40	50	66	90	140	200	280	
WT (PN2.5)	Kg	25	28	42	55	75	106	170	216	290	
SIZE	mm	350	400	450	500	600	700	800	900	1000	
L	mm	550	600	650	700	800	900	1000	1100	1200	
H	mm	1280	1452	1541	1676	1874	2063	2400	2950	3245	
W	mm	640	640	720	720	800	800	920	920	920	
WT (PN1.6)	Kg	411	580	870	1000	1200	1600	2100	3115	4200	
WT (PN2.5)	Kg	445	685	940	1200	1350	2000	3000	4100	5080	

PN 4.0Mpa											
SIZE	mm	50	65	80	100	125	160	200			
L	mm	250	280	310	350	400	460	550			
H	mm	370	394	455	550	636	706	859			
W	mm	280	280	300	320	400	400	460			
WT	Kg	25	38	48	67	101	135	213			
SIZE	mm	250	300	350	400	450	500	600			
L	mm	650	750	850	950	1050	1150	1350			
H	mm	1016	1200	1340	1495	1581	1790	2036			
W	mm	560	640	640	720	800	950	950			
WT	Kg	375	500	700	1100	1610	1880	3100			

PN 6.4/10.0Mpa											
SIZE	mm	50	65	80	100	125	150	200			
L	mm	250	280	310	350	400	450	550			
H (PN6.4)	mm	470	496	558	653	738	820	980			
W (PN6.4)	mm	280	320	320	350	400	400	460			
H (PN10.0)	mm	490	540	572	680	744	830	1000			
W (PN10.0)	mm	360	400	400	400	560	560	560			
WT (PN6.4)	Kg	37	53	67	90	140	192	318			
WT (PN10.0)	Kg	50	62	80	100	160	220	350			
SIZE	mm	250	300	350	400	500	600				
L	mm	650	750	850	950	1150	1350				
H (PN6.4)	mm	1050	1370	1450	1620	2000	-				
W (PN6.4)	mm	560	640	720	800	950	-				
H (PN10.0)	mm	1080	1208	1490	-	-	-				
W (PN10.0)	mm	600	640	720	-	-	-				
WT (PN6.4)	Kg	470	670	875	1450	1850	-				
WT (PN10.0)	Kg	520	730	955	-	-	-				



Technical Standard

Design standard:
 AP1600, ASME B16. 34, BS1414, GB12234
 Face to face:
 AP116. 10, GB12221
 Connecting size:
 ASME B16. 5, ASME B16. 47, ASME B16. 25, GB9113,
 GB12224
 Inspection and test:
 ISO5208, API598, BS6755, JB/T9092, GB/T13927

API Pressure Test (Mpa)

Class	Back seal Test	Shell strength Test	Seal Test	Seal Test
150	3.0	2.2	2.2	0.6
300	7.5	5.5	5.5	
600	15.0	11.0	11.0	
900	22.5	16.5	16.5	
1500	37.5	27.5	27.5	

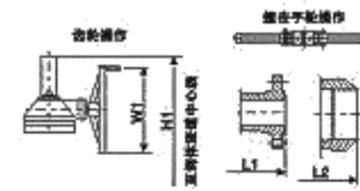
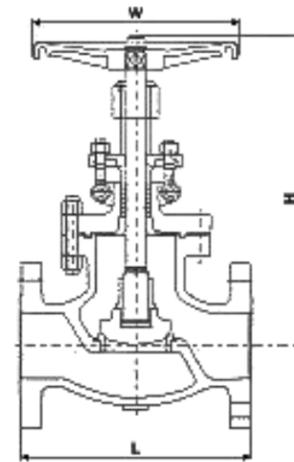
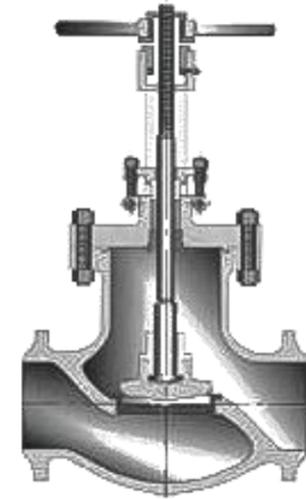
GB Pressure Test (Mpa)

Class	Back seal Test	Shell strength Test	Seal Test	Back seal Test
1.6	2.4	1.76	1.76	0.6
2.5	3.75	2.75	2.75	
4.0	6.0	4.4	4.4	
6.4	9.6	7.04	7.04	
10.0	15.0	11.0	11.0	

Material for Main Parts

Name of Parts	Carbon Steel			Alloy Steel	
	Name of Parts	A216 WCB	A352 LCB	A217 WC6	A217 WC9
Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Stem	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304
Stud	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
Back seat	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304
Stuffing cover	A276 410	A276 304	A276 304	A276 304	A276 304
Gland flange	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Name of Parts	Stainless Steel				
Name of Parts	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Body	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Bonnet	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Stem	A182 F304	A182 F316	A182 F304L	A182 F316L	F51
Stud	A193 B8	A193 B8M	A193 B8	A193 B8M	A193 B8M
Nut	A194 8	A194 8M	A194 8	A194 8M	A194 8M
Back seat	A182 F304	A182 F316	A182 F304L	A182 F316L	F51
Stuffing cover	A276 304	A276 316	A276 304	A276 316	F51
Gland flange	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU

Name of Parts	
1	Body
2	Seat
3	Disc
4	Stem
5	Flat cover
6	Gasket
7	Bonnet nut
8	Stud
9	Bonnet
10	Back seat
11	Packing
12	Pin
13	Stuffing cover
14	Gland flange
15	Bolt
16	Nut
17	Stem nut
18	Nut
19	Hand wheel

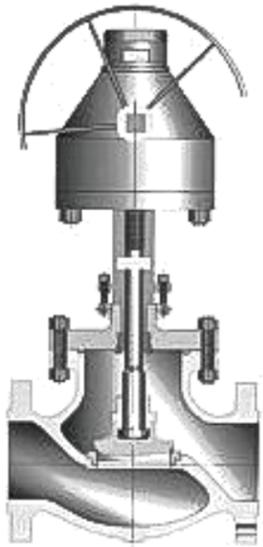


Main Size and Weight

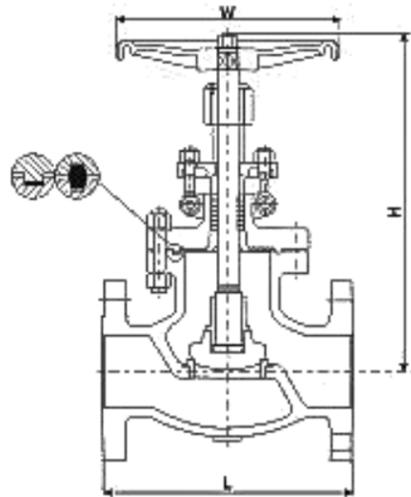
CLASS 600						
SIZE	inch	2	2-1/2	3	4	5
	mm	50	65	80	100	125
L	mm	203	216	241	292	356
L1	mm	216	229	254	305	368
L2	mm	203	216	241	292	356
H	mm	350	362	385	490	455
W	mm	220	250	280	320	320
H1	mm	-	-	-	-	-
W1	mm	-	-	-	-	-
T	N. m	31	50	72	115	170
WT (RF)	Kg	21	29	34	54	72
SIZE	inch	6	8	10	12	16
	mm	150	200	250	300	350
L	mm	406	495	622	698	787
L1	mm	419	508	635	711	800
L2	mm	406	495	622	698	787
H	mm	537	*707	*788	*820	-
W	mm	400	*450	*560	*560	-
H1	mm	-	760	830	890	1400
W1	mm	-	310	310	460	600
T	N. m	225	427	671	1127	1321
WT (RF)	Kg	93	185	268	400	650

CLASS 300										
SIZE	inch	2	2-1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
L	mm	267	292	318	356	400	445	559	622	711
L1	mm	283	308	333	371	416	460	575	638	727
L2	mm	267	292	318	356	400	445	559	622	711
H	mm	345	377	405	468	620	*708	*777	*935	*906
W	mm	220	250	280	320	400	*450	*500	*560	*600
H1	mm	-	-	-	-	-	836	854	997	1320
W1	mm	-	-	-	-	-	460	460	460	600
T	N. m	52	90	137	236	390	556	1003	1962	3465
WT (RF)	Kg	28	36	50	75	140	200	287	510	720

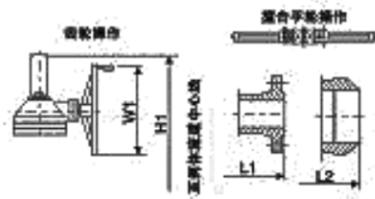
CLASS 600									
SIZE	inch	2	2-1/2	3	4	6	8	10	12
	mm	50	65	80	100	150	200	250	300
L	mm	292	330	356	432	559	660	787	838
L1	mm	295	333	359	435	562	664	791	841
L2	mm	292	330	356	432	559	660	787	838
H	mm	385	430	475	*685	*901	*913	*1060	*1227
W	mm	250	280	320	*400	*560	*600	*650	*760
H1	mm	-	-	-	-	1027	1160	1380	1433
W1	mm	-	-	-	-	460	460	600	600
T	N. m	135	230	306	578	1427	2457	4606	8420
WT (RF)	Kg	32	45	62	139	342	483	870	1067



CLASS 900							
SIZE	inch	2	2-1/2	3	4	6	8
	mm	50	65	80	100	150	200
L	mm	368	419	381	457	610	737
L1	mm	371	422	384	460	613	740
L2	mm	368	419	381	457	610	737
H	mm	430	580	*675	*780	*870	*980
W	mm	320	320	*350	*500	*500	*560
H1	mm	-	-	-	-	1001	1257
W1	mm	-	-	-	-	460	600
T	N. m	153	250	315	673	1787	3557
WT (RF)	Kg	58	92	144	225	502	720

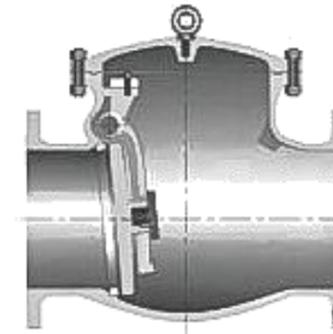


CLASS 1500							
SIZE	inch	2	2-1/2	3	4	6	8
	mm	50	65	80	100	150	200
L	mm	368	419	470	546	705	832
L1	mm	371	422	473	549	711	842
L2	mm	368	419	470	546	705	832
H	mm	430	500	*705	*820	*910	*1015
W	mm	320	400	*450	*600	*700	*800
H1	mm	-	-	-	-	1200	1460
W1	mm	-	-	-	-	460	600
T	N. m	324	440	653	1147	3422	6523
WT (RF)	Kg	66	115	188	292	620	808



Technical Standard

Design standard:
 AP1600, ASME B16. 34, BS1414, GB12234
 Face to face:
 AP116. 10, GB12221
 Connecting size:
 ASME B16. 5, ASME B16. 47, ASME B16. 25, GB9119,
 GB12224
 Inspection and test:
 ISO5208, API598, BS6755, JB/T9092, GB/T13927

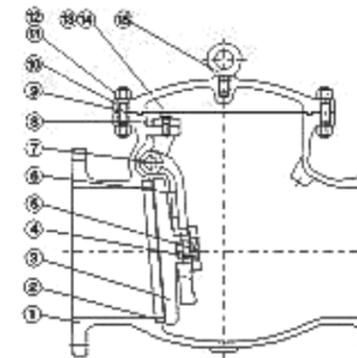


API Pressure Test (Mpa)

Class	Back seal Test	Back seal Test	Back seal Test	Back seal Test
150	3.0	2.2	2.2	0.6
300	7.5	5.5	5.5	
600	15.0	11.0	11.0	
900	22.5	16.5	16.5	
1500	37.5	27.5	27.5	
2500	63.0	46.2	46.2	

GB Pressure Test (Mpa)

PN	Shell strength Test	Seal Test	Back seal Test
1.6	2.4	1.76	0.6
2.5	3.75	2.75	
4.0	6.0	4.4	
6.4	9.6	7.04	
10.0	16.0	11.0	

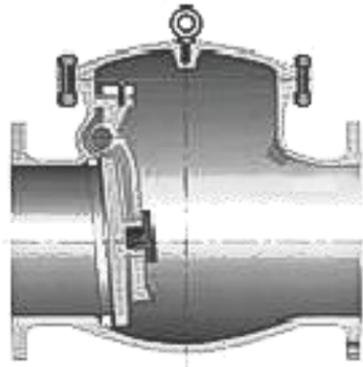


Name of Parts	
1	Body
2	Seat
3	Disc
4	Screw
5	Disc cover
6	Arm
7	Pin
8	Fork part
9	Gasket
10	Bonnet
11	Nut
12	Stud
13	Bolt
14	Gasket Ring
15	Lifting ring

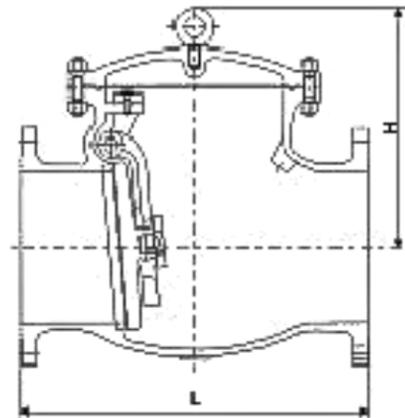
Material for Main Parts

Name of Parts	Carbon Steel			Alloy Steel	
	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Name of Parts	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Arm	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Pin	A270 410	A276 410	A216 410	A276 410	A276 410
Fork part	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5
Stud	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
Name of Parts	Stainless Steel				
	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Name of Parts	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Body	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Bonnet	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Arm	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Pin	A276 304	A276 316	A276 304L	A276 316L	F51
Fork part	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
Stud	A193 B8	A193 B8M	A193 B8	A193 B8M	A193 B8M
Nut	A194 8	A194 8M	A194 8	A194 8M	A194 8M

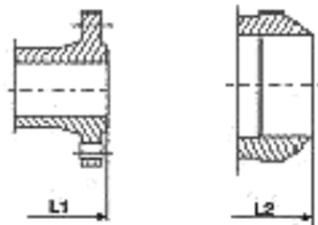
Main Size and Weight



CLASS 150									
SIZE	inch	2	2-1/2	3	4	5	6	8	
	mm	50	65	80	100	125	150	200	
L	mm	203	216	241	292	330	356	495	
L1	mm	216	229	254	305	343	368	508	
L2	mm	203	216	241	292	330	356	495	
H	mm	144	150	181	259	230	303	373	
WT (RF)	Kg	17	20	25	40	67	93	134	
SIZE	inch	10	12	14	16	18	20	24	30
	mm	250	300	350	400	450	500	600	750
L	mm	622	699	787	864	978	978	1295	1524
L1	mm	635	711	800	876	991	991	1308	-
L2	mm	622	699	787	864	978	978	1295	1524
H	mm	417	478	540	620	690	720	740	1005
WT (RF)	Kg	199	305	370	542	750	900	1200	2100

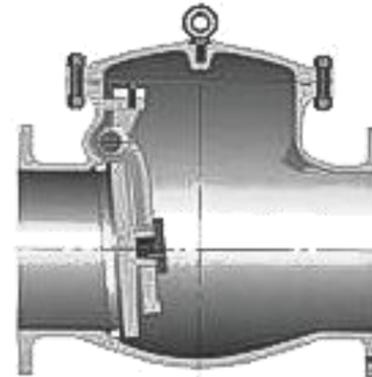


CLASS 300									
SIZE	inch	2	2-1/2	3	4	5	6	8	
	mm	50	65	80	100	125	150	200	
L	mm	267	292	318	356	400	445	533	
L1	mm	283	308	333	371	416	460	549	
L2	mm	267	292	318	356	400	445	533	
H	mm	167	185	210	281	300	323	399	
WT (RF)	Kg	23	37	46	71	100	118	202	
SIZE	inch	10	12	14	16	18	20	24	
	mm	250	300	350	400	450	500	600	
L	mm	622	711	838	864	978	1016	1346	
L1	mm	638	727	854	879	994	1035	1368	
L2	mm	622	711	838	864	978	1016	1346	
H	mm	440	462	571	659	676	742	810	
WT (RF)	Kg	296	428	583	754	935	1155	1408	

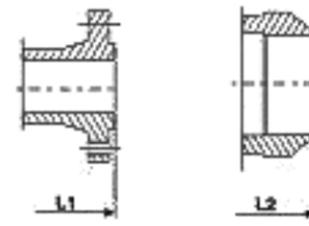
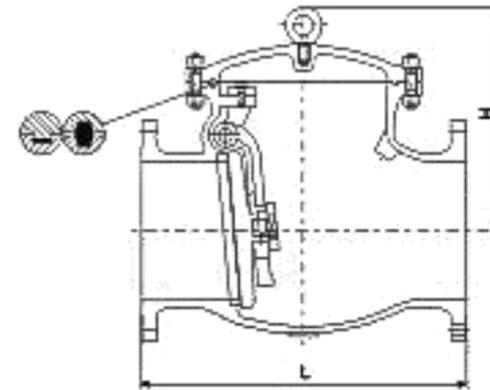


CLASS 600									
SIZE	inch	2	2-1/2	3	4	5	6	8	
	mm	50	65	80	100	125	150	200	
L	mm	292	330	356	432	508	559	660	
L1	mm	295	333	359	435	511	562	664	
L2	mm	292	330	356	432	508	559	660	
H	mm	168	215	216	297	330	365	444	
WT (RF)	Kg	26	32	49	86	165	252	429	
SIZE	inch	10	12	14	16	18	20	24	
	mm	250	300	350	400	450	500	600	
L	mm	787	838	889	991	1092	1194	1397	
L1	mm	791	841	892	994	1095	1200	1407	
L2	mm	787	838	889	991	1092	1194	1397	
H	mm	500	542	610	765	796	845	940	
WT (RF)	Kg	557	670	944	1300	1760	2200	2864	

Main Size and Weight

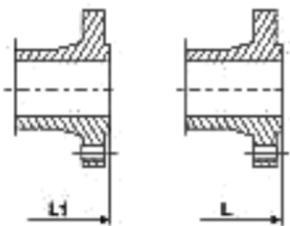
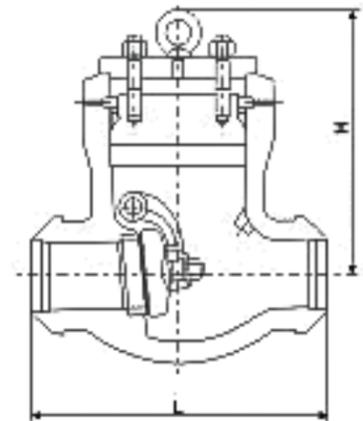
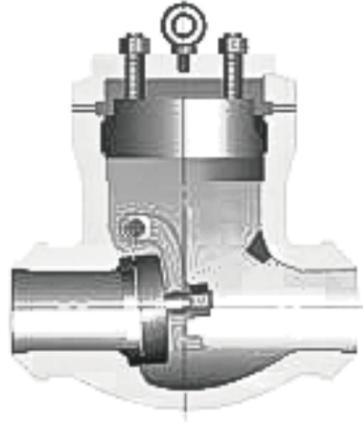


CLASS 900						
SIZE	inch	2	2-1/2	3	4	6
	mm	50	65	80	100	150
L	mm	368	419	381	457	610
L1	mm	371	422	384	460	613
L2	mm	368	419	381	457	610
H	mm	200	260	265	324	424
WT (RF)	Kg	58	76	100	140	294
SIZE	inch	8	10	12	14	16
	mm	200	250	300	350	400
L	mm	737	839	965	1029	1130
L1	mm	740	841	968	1038	1140
L2	mm	737	838	965	1029	1130
H	mm	522	545	590	640	700
WT (RF)	Kg	700	724	870	1254	1800



CLASS 900						
SIZE	inch	2	2-1/2	3	4	6
	mm	50	65	80	100	150
L	mm	368	419	470	546	705
L1	mm	371	422	473	549	711
L2	mm	368	419	470	546	705
H	mm	200	270	265	353	470
WT (RF)	Kg	66	84	123	192	481
SIZE	inch	8	10	12	14	16
	mm	200	250	300	350	400
L	mm	832	991	1130	1257	1384
L1	mm	841	1000	1146	1276	1407
L2	mm	832	991	1130	1257	1384
H	mm	561	660	750	850	955
WT (RF)	Kg	760	1058	1440	1745	2500

Pressure Sealing Check Valve



CLASS 900						
SIZE	inch	2	2-1/2	3	4	6
	mm	50	65	80	100	150
L	mm	368	419	361	457	610
L1	mm	371	422	384	460	613
L2	mm	216	254	305	356	508
H	mm	215	245	292	318	400
WT (RF)	Kg	25	35	46	68	170
SIZE	inch	8	10	12	14	16
	mm	200	250	300	350	400
L	mm	737	838	965	1029	1130
L1	mm	740	841	968	1038	1140
L2	mm	660	787	914	991	1092
H	mm	464	517	582	640	700
WT (RF)	Kg	460	700	1020	1220	1350

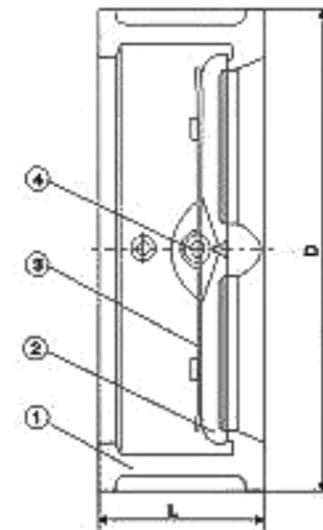
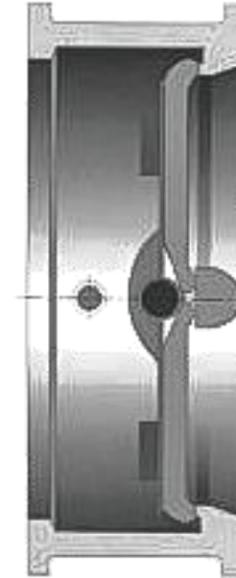
CLASS 900						
SIZE	inch	2	2-1/2	3	4	6
mm		50	65	80	100	150
L	mm	368	419	470	549	705
L1	mm	371	422	473	549	711
L2	mm	216	254	305	406	559
H	mm	245	265	300	342	438
WT (RF)	Kg	26	36	50	80	290
SIZE	inch	8	10	12	14	16
	mm	200	250	300	350	400
L	mm	832	991	1130	1257	1384
L1	mm	841	1000	1146	1276	1407
L2	mm	711	864	991	1067	1194
H	mm	534	578	648	700	770
WT (RF)	Kg	490	750	1110	1415	1605

CLASS 900						
SIZE	inch	2	2-1/2	3	4	6
	mm	50	65	80	100	150
L	mm	451	508	578	673	914
L1	mm	454	514	684	683	927
L2	mm	279	330	368	457	610
H	mm	250	280	308	352	440
WT (RF)	Kg	62	85	100	165	460
SIZE	inch	8	10	12	14	16
	mm	200	250	300	350	400
L	mm	1022	1270	1422	-	-
L1	mm	1038	1292	1445	-	-
L2	mm	762	914	1041	1118	1245
H	mm	540	580	660	790	870
WT (RF)	Kg	900	1300	1800	2450	3200

Technical Standard

Design standard:
API B16. 34, API594, API 6D
Face to face:
API 594, API 6D

Connecting size:
ASME B16. 5, ASME B16. 47
Inspection and test:
API598



Name of parts		Material
1	Body	WCB, CF8, CF8M, CF3, CF3M
2	Disc	WCB, CF8, CF8M, CF3, CF3M
3	Spring	INCONEL, 17-7PH
4	Axes	F6a, 304, 316, 304L, 316L, 17-7PH

SIZE	CLASS 150			CLASS 300		
	L	D	WT	L	D	WT
inch	mm	mm	Kg	mm	mm	Kg
2	60	103	2	60	110	3
2-1/2	67	122	3	67	129	4
3	73	135	4	73	147	6
4	73	173	6	73	179	8
5	86	195	8	86	214	15
6	98	220	13	98	249	18
8	127	277	25	127	305	31
10	146	337	39	146	359	51
12	181	407	54	181	420	77
14	184	448	80	222	463	117
16	191	512	117	232	537	190
18	203	547	138	264	594	200
20	219	604	163	292	652	265
24	222	715	331	318	772	410
28	305	773	380	-	-	-
30	305	824	425	368	882	660
32	305	878	560	-	-	-

SIZE	CLASS 600			CLASS 900			CLASS 1500		
	L	D	WT	L	D	WT	L	D	WT
inch	mm	mm	Kg	mm	mm	Kg	mm	mm	Kg
2	60	110	4	70	140	8	70	140	8
2-1/2	67	128	5	83	162	11	83	162	11
3	73	147	8	83	165	14	83	172	19
4	79	191	11	102	204	20	102	207	26
5	105	239	20	110	245	30	110	252	51
6	136	284	26	159	286	42	159	280	68
8	165	318	55	206	356	84	206	350	130
10	213	398	95	241	432	145	248	433	210
12	229	455	140	292	495	220	305	518	384
14	273	490	223	356	518	350	356	576	550
16	305	562	360	384	572	470	384	639	635
18	362	610	395	451	635	605	-	-	-
20	368	680	518	451	695	820	-	-	-
24	438	786	836	495	835	1050	-	-	-
28	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-

Technical Standard

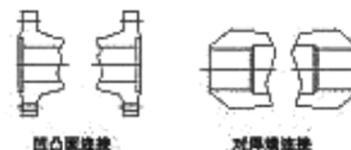
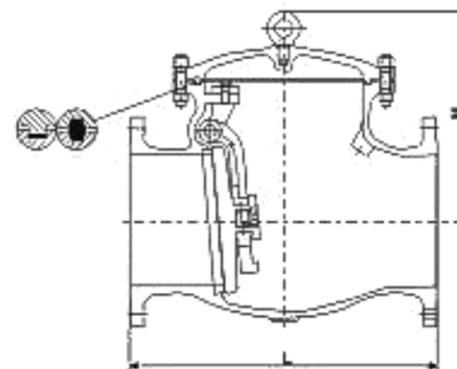
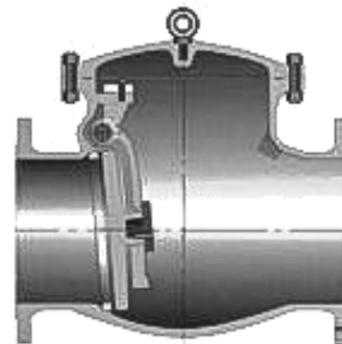
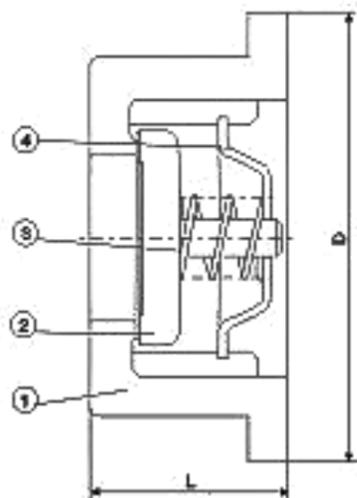
Design standard:
API B16. 34、API594、API 6D
Face to face:
API 594、API 6D

Connecting size:
ASME B16. 5、ASME B16. 47
Inspection and test:
API598

Name of parts	Material	
1 Body	WCB、CF8、CF8M、CF3、CF3M	
2 Disc	WCB、CF8、CF8M、CF3、CF3M	
3 Spring	INCONEL、17-7PH	
4 Axes	F6a、304、316、304L、316L、17-7PH	

SIZE	CLASS 150			CLASS 300		
	L	D	WT	L	D	WT
inch	mm	mm	Kg	mm	mm	Kg
1/2	25	46	0.28	25	52	0.3
3/4	31.5	56	0.42	31.5	65	0.46
1	35.5	65	0.56	35.5	72	0.6
1-1/4	40	74	0.75	40	81	0.8
1-1/2	45	84	1.3	45	94	1.5
2	56	103	2.1	56	110	2.4
2-1/2	63	122	2.8	63	128	3.0
3	71	135	3.6	71	147	4.0
4	80	173	4.8	80	179	5.5
5	110	195	12	110	214	13
6	125	220	17	125	249	22
8	160	277	29	160	305	36

SIZE	CLASS 600			CLASS 300		
	L	D	WT	L	D	WT
inch	mm	mm	Kg	mm	mm	Kg
1/2	25	52	0.4	25	62	0.6
3/4	31.5	65	0.8	31.5	69	0.9
1	35.5	72	1.0	35.5	77	1.2
1-1/4	40	81	1.3	40	87	1.5
1-1/2	45	94	1.8	45	97	2.0
2	56	110	2.8	56	140	5.5
2-1/2	63	128	4	63	162	7.5
3	71	147	6	71	165	8
4	80	191	11	80	204	14
5	110	239	25	110	245	27
6	125	264	32	125	286	41
8	160	318	52	160	356	76



Main Size and Weight

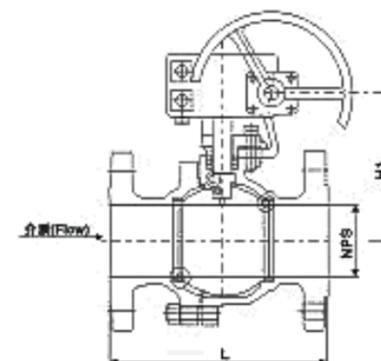
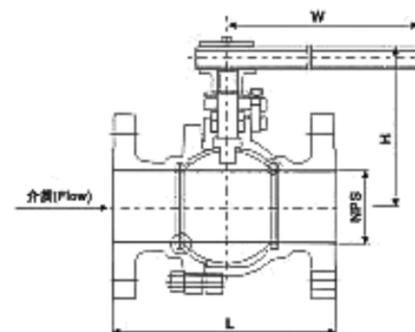
PN 1.6/2.5MPa							
SIZE	mm	50	65	80	100	125	150
L	mm	230	290	310	350	400	450
H	mm	165	180	190	208	230	270
WT (PN1.6)	Kg	22	26	33	39	57	90
WT (PN2.5)	Kg	22	30	35	52	73	103
SIZE	mm	200	250	300	350	400	500
L	mm	550	650	750	850	950	1150
H	mm	304	348	390	430	468	525
WT (PN1.6)	Kg	95	175	260	360	496	568
WT (PN2.5)	Kg	135	196	285	388	520	641

PN 4.0MPa							
SIZE	mm	50	65	80	100	125	150
L	mm	230	290	310	350	400	480
H	mm	160	196	205	220	248	270
WT	Kg	27	33	37	56	85	110
SIZE	mm	200	250	300	350	400	500
L	mm	533	622	711	838	864	1016
H	mm	350	410	430	518	560	618
WT	Kg	140	210	392	400	560	650

PN 4.0MPa							
SIZE	mm	50	65	80	100	125	
L	mm	300	340	380	430	500	
H (PN6.4)	mm	190	207	220	260	218	
H (PN10.0)	mm	190	213	240	270	316	
WT (PN6.4)	Kg	32	45	48	72	108	
WT (PN10.0)	Kg	43	48	72	108	130	
SIZE	mm	150	200	250	300	350	400
L	mm	550	650	775	900	1025	1150
H (PN6.4)	mm	297	357	405	465	514	568
H (PN10.0)	mm	365	420	480	510	550	600
WT (PN6.4)	Kg	155	218	341	472	627	882
WT (PN10.0)	Kg	217	341	472	620	880	1105

API Floating Type of Ball Valve

1. Structural characteristic: "Position indication, lock set three - prevention structure".
 2. Whole structure see drawing has the position indication, lock set, fireproofing, static proof, and preventing valve pole from rush - out.
- Obvious indication of switch position: sphere, valve pole and hand - holder as an assembly unit, hand - holder pointing, pipe - line direction, ball valve turn - on, vertical pipeline direction of hand - holder, valve turn - off.
- Position lock: In order to avoid wrong operation, set up the padlock set, may lock the switch position when necessary.
- Structure of preventing valve pole from rush - out: adopts down - installing valve pole, even if be on fire, the filling is burned or broken, the convexity of valve pole can keep in close touch with airproof surface, which can prevent the medium in valve from leaking largely, so that reduce losing brought by accident.
- Static - proof set: set up the static - proof set to removes the static brought by the friction of nonmetallic valve base and sphere, which prevents static spark from being brought.
- Fireproofing structure: Adopts double air proofing, when be on fire, after nonmetallic valves base is burned or broken, the medium presses closely the sphere on the metallic air proof surface of valve body to prevent the medium form be released largely. which meets API 607 standard.



Q47型、Q341型ANSI CLASS 150、300、600、900、1500 浮动球阀
Q47 or Q341 model
CLASS 150、300、600、900、1500
Floating type of ball valve

Test Pressure

Test Pressure (MPa)		Nominal pressurePN (Lb)				
		150	300	600	900	1500
Shell Strength Test (MPa)	Water	3.0	7.5	15.0	22.5	37.5
Seal Test (MPa)		2.2	5.5	11.0	16.5	27.5
Seal Test (MPa)	Air	0.6				

Valve Manufacture And Acceptance Standard

- Design standard: API 608、BS5351 6D、API6D
- Face to face: ANSI B16. 10
- Flange standard: ANSI B16. 5、DIN 2543 - 2548
- Temperature pressure standard: ANSI B16. 34
- Test standard: API 598
- Fire safe standard: API 607、API SPE 6FA BS6755 PAPT2

Main Size and Weight

CLASS 150							
SIZE	inch	1/2	3/4	1	1-1/2	2	
d1	mm	13	19	25	38	51	
L	mm	108	117	127	165	178	
H	mm	159	63	75	95	107	
W	mm	130	130	160	230	230	
WT (Kg)	Kg	2.5	3	5	7	10	
SIZE	inch	2-1/2	3	4	5	6	8
d1	mm	64	76	102	127	152	203
L	mm	191	200	229	356	384	457
H	mm	142	152	178	252	272	342
W	mm	400	400	650	1050	1050	1400
WT (Kg)	Kg	15	19	33	58	98	160

CLASS 300							
SIZE	inch	1/2	3/4	1	1-1/2	2	
d1	mm	13	19	25	38	51	
L	mm	140	152	165	191	216	
H	mm	59	63	75	95	107	
W	mm	130	130	160	230	230	
WT (Kg)	Kg	3	4	6	11	15	
SIZE	inch	2-1/2	3	4	5	6	8
d1	mm	64	76	102	127	152	203
L	mm	241	283	305	381	403	502
H	mm	142	152	178	252	272	342
W	mm	400	400	650	1050	1050	1400
WT (Kg)	Kg	24	30	55	81	118	200

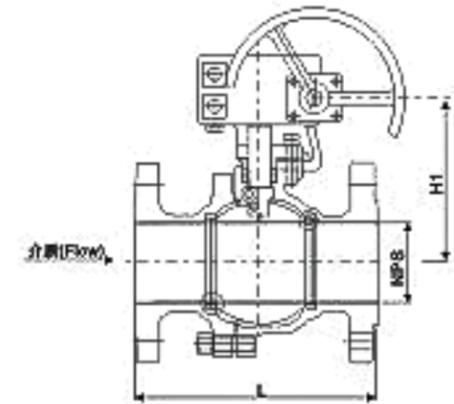
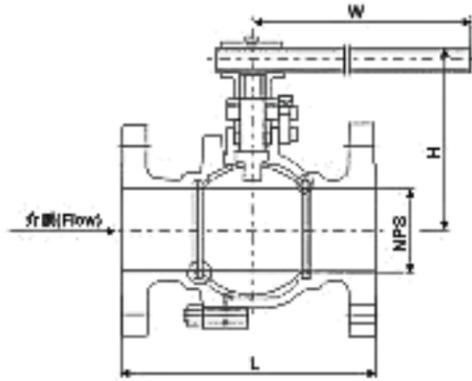
CLASS 600								
SIZE	inch	1/2	3/4	1	1-1/2	2	3	4
d1	mm	13	19	25	38	51	76	102
L (RF)	mm	165	191	216	241	292	356	432
L (RTJ)	mm	193.5	191	216	241	295	359	435
H	mm	59	63	75	95	167	198	198
W	mm	160	160	230	400	400	650	105
WT (Kg)	Kg	8	11	15	19	25	48	76

CLASS 900					CLASS 1500		
SIZE	inch	1/2	3/4	1	1/2	3/4	1
d1	mm	13	19	22	13	19	22
L (RF)	mm	229	254	254	216	254	254
L (RTJ)	mm	229	254	254	216	254	254
H	mm	138	141	143	138	141	143
W	mm	160	230	230	160	230	230

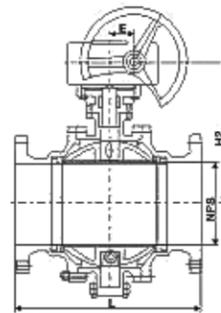
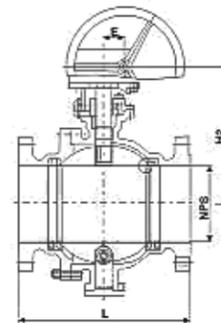
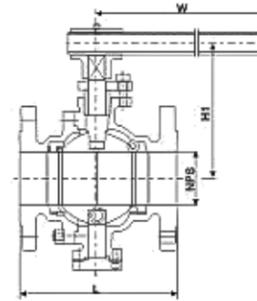
Main Size and Weight

CLASS 150					
SIZE	inch	2	2-1/2	3	
D	mm	51	64	76	
L	mm	178	190	203	
H	mm	107	142	152	
W	mm	350	600	600	
H1	mm	-	-	-	
Y	Kg	-	-	-	
SIZE	inch	4	5	6	8
D	mm	102	127	152	203
L	mm	229	356	394	457
H	mm	178	252	272	342
W	mm	1065	1650	(1650)	(2250)
H1	mm	(206)	(272)	356	483
Y	Kg	(55)	(85)	116	171

CLASS 300					
SIZE	inch	4	5	6	8
D	mm	102	127	152	203
L	mm	229	356	394	457
H	mm	178	252	272	342
W	mm	1065	1650	(1650)	(2250)
H1	mm	(206)	(272)	356	483
Y	Kg	(55)	(85)	116	171
SIZE	inch	2	2-1/2	3	
D	mm	51	64	76	
L	mm	216	241	382	
H	mm	107	142	152	
W	mm	350	600	600	
H1	mm	-	-	-	
Y	Kg	-	-	-	



Q47型、Q341型ANSI
CLASS 150、300 金屬密封浮動球閥
Q47 or Q341 model CLASS 150、300 Floating
Type of ball valve with metal seating surface.



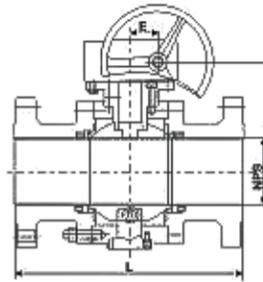
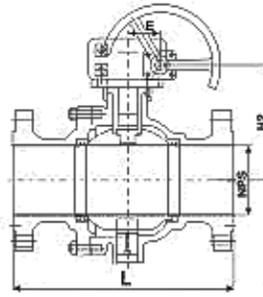
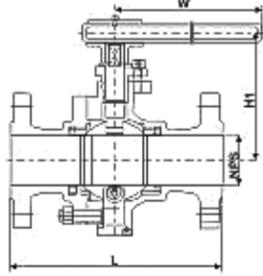
Q47型、Q347型ANSI
CLASS 150、300、400 固定球閥
Q47 or Q347 model CLASS 150、300、400
Trunnion mounted ball valve

Main Size and Weight

API Trunnion Mounted Ball Valve

CLASS 150										
SIZE	inch	2	2-1/2	3	4	5	6	8	10	12
DN	mm	51	64	76	102	127	152	203	254	305
L (RF)	mm	178	191	203	229	356	394	457	533	610
L (BW)	mm	216	241	283	305	381	457	521	559	635
H1	mm	102	114	127	152	184	219	273	360	395
H2	mm	107	125	152	178	300	330	398	495	580
E	mm	-	-	-	-	-	-	116	116	171
W	mm	230	400	400	650	1050	1050	600	600	800
WT (Kg)	Kg	120	16	22	35	58	74	205	322	400
SIZE	inch	14	16	18	20	24	28	32	36	40
DN	mm	337	378	438	489	591	686	781	876	978
L (RF)	mm	686	762	864	914	1067	1245	1372	1524	1753
L (BW)	mm	762	838	914	991	1143	1346	1524	1727	1880
H1	mm	430	470	550	580	700	800	950	1100	2100
H2	mm	625	670	698	840	1050	1100	1150	1247	1374
E	mm	171	257	257	257	150	83	83	123	123
W	mm	800	800	800	800	800	800	800	800	800
WT (Kg)	Kg	576	854	1280	1600	3540	4500	5940	7540	9320
CLASS 300										
SIZE	inch	2	2-1/2	3	4	5	6	8	10	12
DN	mm	51	64	76	102	127	152	203	254	305
L (RF)	mm	216	241	283	305	381	403	502	568	648
L (BW)	mm	216	241	283	305	381	457	521	559	635
H1	mm	102	114	127	152	184	219	273	360	395
H2	mm	107	125	152	178	300	300	398	495	580
E	mm	-	-	-	-	-	-	116	116	171
W	mm	230	400	400	650	1050	1050	600	600	800
WT (Kg)	Kg	15	24	30	55	87	118	255	370	553
SIZE	inch	14	16	18	20	24	28	32	36	40
DN	mm	337	387	438	469	591	686	781	876	978
L (RF)	mm	762	838	914	991	1143	1346	1524	1727	1880
L (BW)	mm	762	838	814	991	1143	1346	1524	1727	1880
H1	mm	430	470	550	580	700	800	950	1100	1200
H2	mm	625	670	698	840	1050	1100	1150	1247	1374
E	mm	171	257	257	257	150	83	83	123	123
W	mm	800	800	800	800	800	800	800	800	800
WT (Kg)	Kg	640	1030	1542	2100	4200	5300	7860	8684	10300
CLASS 400										
SIZE	inch	2	2-1/2	3	4	6	8			
DN	mm	51	64	76	102	152	203			
L (RF)	mm	292	330	356	406	495	597			
L (BW)	mm	295	333	359	410	498	600			
H1	mm	114	124	133	159	250	294			
H2	mm	108	155	197	235	300	374			
E	mm	116	116	116	116	116	171			
W	mm	600	600	600	600	600	800			
WT (Kg)	Kg	23	35	49	91	192	355			
SIZE	inch	10	12	14	16	20	24	28		
DN	mm	254	305	337	378	489	591	686		
L (RF)	mm	673	762	826	902	1054	1232	1397		
L (BW)	mm	676	765	629	905	1060	1241	1410		
H1	mm	395	445	500	530	660	800	900		
H2	mm	445	512	550	615	810	1010	1180		
E	mm	171	257	257	257	150	83	123		
W	mm	800	800	800	800	800	800	800		
WT (Kg)	Kg	640	880	1100	1540	2800	5300	5700		

API Trunning Mounted Ball Valve



Q47型、Q347型ANSI
CLASS 600、900、1500固定球阀
Q47 or Q347 model CLASS 600、900、1500
Trunning mounted ball valve

Main Size and Weight

CLASS 600								
SIZE	inch	2	2-1/2	3	4	6	8	
DN	mm	51	64	76	102	152	203	
L (RF)	mm	292	330	356	432	559	660	
L (BW)	mm	295	333	359	435	562	664	
H1	mm	114	124	133	159	250	294	
H2	mm	108	155	197	235	300	374	
E	mm	116	116	116	116	116	171	
W	mm	600	600	600	600	600	800	
WT (Kg)	Kg	35	38	55	102	232	390	
SIZE	inch	10	12	14	16	20	24	28
DN	mm	254	305	337	378	489	591	686
L (RF)	mm	787	838	826	991	1194	1397	1549
L (BW)	mm	791	841	829	994	1200	1407	1562
H1	mm	395	445	500	530	660	800	900
H2	mm	445	512	550	615	810	1010	1180
E	mm	171	257	257	257	150	83	123
W	mm	800	800	800	800	800	800	800
WT (Kg)	Kg	710	960	1100	1970	3250	5300	6700

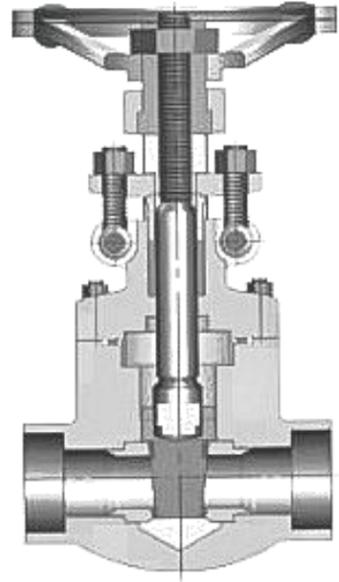
CLASS 900								
SIZE	inch	2	2-1/2	3	4	6	8	
DN	mm	51	64	76	102	152	203	
L (RF)	mm	368	419	381	457	610	737	
L (BW)	mm	371	422	384	460	613	740	
H1	mm	217	241	259	297	360	322	
H2	mm	126	158	191	216	270	394	
E	mm	116	116	116	116	171	171	
W	mm	600	600	600	600	800	800	
WT (Kg)	Kg	50	60	80	125	270	-	
SIZE	inch	10	12	14	16	18	20	24
DN	mm	254	305	324	375	426	473	572
L (RF)	mm	838	965	1029	1130	1219	1321	1549
L (BW)	mm	841	968	1038	1140	1232	1334	1568
H1	mm	420	470	510	600	700	720	810
H2	mm	502	572	675	762	886	894	956
E	mm	257	257	150	150	180	180	220
W	mm	800	800	800	800	800	800	800
WT (Kg)	Kg	-	-	-	-	-	-	-

CLASS 1500								
SIZE	inch	2	2-1/2	3	4	6	8	
DN	mm	51	64	76	102	146	194	
L (RF)	mm	368	419	381	546	705	832	
L (BW)	mm	371	422	384	549	711	841	
H1	mm	126	158	191	216	296	378	
H2	mm	217	241	259	297	365	475	
E	mm	116	116	116	116	171	257	
W	mm	600	600	600	600	800	800	
WT (Kg)	Kg	50	75	117	216	380	-	
SIZE	inch	10	12	14	16	18	20	24
DN	mm	241	289	318	361	395	440	504
L (RF)	mm	991	1130	1257	1384	1537	1664	1698
L (BW)	mm	1000	1146	1276	1407	1559	1686	1902
H1	mm	495	542	590	670	710	750	850
H2	mm	578	696	761	831	900	950	1080
E	mm	257	481	150	180	220	220	280
W	mm	800	800	800	800	800	800	800
WT (Kg)	Kg	-	-	-	-	-	-	-



Technical Standard

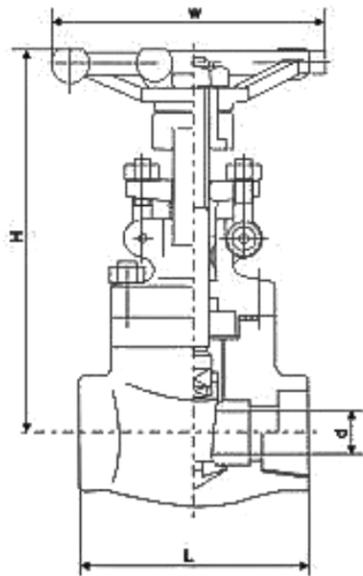
Design standard: API 602、BS5352、ASME B16.34
 Connecting size: ASME B1.20.1、ASME B16.11
 Inspection and test: API 598



Main Size and Weight

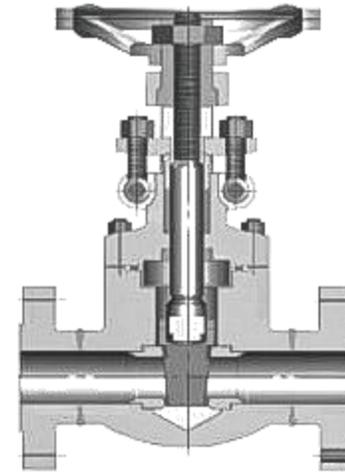
CLASS 150-800									
SIZE				L (mm)	W (mm)	H (mm)	WT (kg)		
inch		mm					Reduced Bore	Full Bore	
Reduced Bore	Full Bore	Reduced Bore	Full Bore						
1/4		8		79	100	166	2.2	-	
3/8	1/4	10	8	79	100	166	2.2	2.2	
1/2	3/8	15	10	79	100	166	2.2	2.2	
3/4	1/2	20	15	92	100	169	2.2	2.2	
1	3/4	25	20	111	125	193	4.7	4.3	
1-1/4	1	32	25	120	160	236	5.9	5.9	
1-1/2	1-1/4	40	32	120	160	246	6.9	6.9	
2	1-1/2	50	40	140	180	283	11.1	11.1	
	2		50	178	200	330	-	15.2	

CLASS 900-1500							
SIZE		pressure class	L (mm)	W (mm)	H (mm)	WT (kg)	
inch	mm					B. B	W. B
1/4	8	900	79	100	166	2.2	-
		1500	111	125	197	4.6	4.7
3/8	10	900	79	100	166	2.2	-
		1500	111	125	197	4.3	4.4
1/2	15	900	92	100	169	2.2	-
		1500	111	125	197	4.2	4.3
3/4	20	900	111	125	193	4.3	-
		1500	111	125	197	4.0	4.2
1	25	900	120	160	230	5.9	-
		1500	120	160	218	6.3	6.6
1-1/4	32	900	120	160	246	6.9	-
		1500	120	160	237	8.7	8.8
1-1/2	40	900	140	180	283	11.1	-
		1500	140	180	274	12.1	12.5
2	50	900	178	200	330	15.2	-
		1500	178	200	320	17.2	17.2



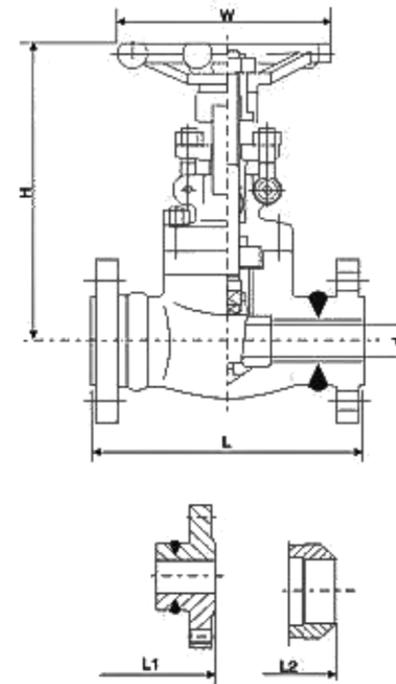
Technical Standard

Design standard: API 602、BS5352、ASME B16.34
 Connecting size: ASME B1.20.1、ASME B16.11
 Inspection and test: API 598



Main Size and Weight

CLASS 1500-600										
SIZE		pressure class	L (mm)	W (mm)	H (mm)		WT (kg)		WT (kg)	
inch	mm				Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore
1/2	15	150	108	108	166	169	100	100	4.5	5
		300	140	140					4.8	5.2
		600	165	165					5.9	5.9
3/4	20	150	117	117	169	193	100	125	5.2	6.1
		300	152	152					6.2	6.3
		600	190	191					7.4	7.5
1	25	150	127	127	193	230	125	160	8.2	8.4
		300	165	165					9.3	8.6
		600	216	216					10.4	10.2
1-1/4	32	150	140	138	230	246	160	160	11.5	14.3
		300	178	178					14	14.5
		600	229	229					16.2	16.7
1-1/2	40	150	165	165	246	283	160	180	12.5	15.4
		300	190	191					15.5	15.6
		600	241	241					17.5	17.4
2	50	150	178	178	283	330	180	200	20.3	22.7
		300	216	216					23.4	22.8
		600	292	292					28.3	28.7

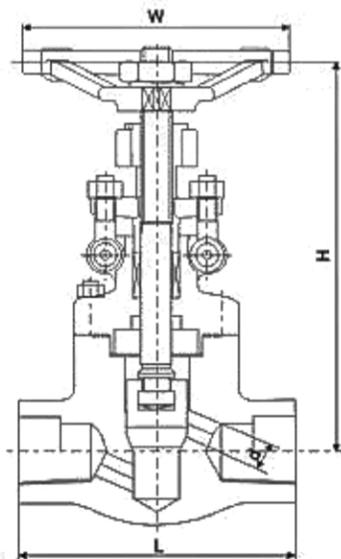
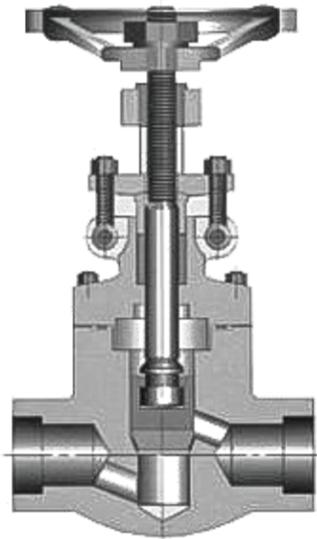


CLASS 900-1500							
SIZE		L1 (mm)	L2 (mm)	H (mm)	W (mm)	WT (kg)	
inch	mm					B. B	W. B
1/2	15	216	216	197	125	6.9	7.2
3/4	20	229	229	197	125	11.2	11.5
1	25	254	254	224	160	12.8	15.6
1-1/4	32	279	279	237	160	16.0	16.2
1-1/2	40	305	305	276	180	21.0	22.6
2	50	368	368	320	200	27.1	28.2

Technical Standard

Design standard: API 602、BS5352、ASME B16.34
 Connecting size: ASME B1.20.1、ASME B16.11
 Inspection and test: API 598

Main Size and Weight



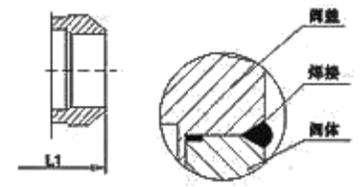
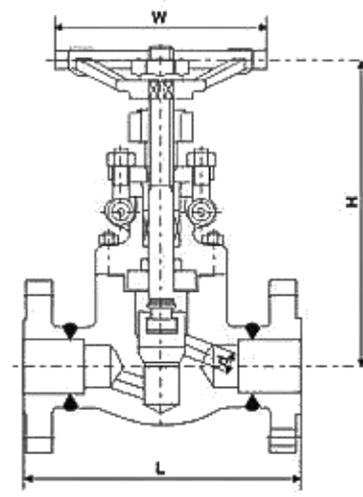
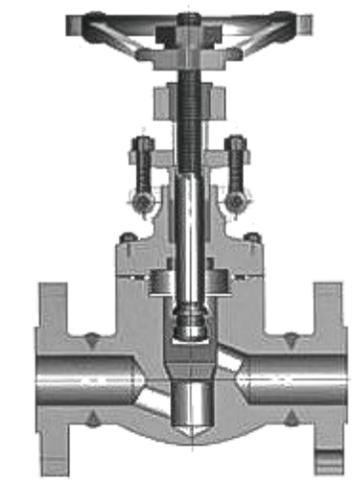
CLASS 150-800									
SIZE				L (mm)	W (mm)	H (mm)	WT (kg)		
inch		mm					Reduced Bore	Full Bore	
Reduced Bore	Full Bore	Reduced Bore	Full Bore						
1/4	8		79	100	153	1.9	-		
3/8	1/4	10	8	79	100	153	1.9	2.1	
1/2	3/8	15	10	79	100	158	1.9	2.1	
3/4	1/2	20	15	92	100	192	2.1	2.3	
1	3/4	25	20	111	125	252	3.3	3.6	
1-1/4	1	32	25	120	160	252	7.5	7.8	
1-1/2	1-1/4	40	32	152	160	289	7.5	8.2	
2	1-1/2	50	40	172	180	330	11.4	12.0	
2		50		200	240	370	-	15.0	

CLASS 150-800									
SIZE				L (mm)	W (mm)	H (mm)	WT (kg)		
inch		mm					Reduced Bore	Full Bore	
Reduced Bore	Full Bore	Reduced Bore	Full Bore						
1/4		8		111	100	207	2.0	-	
3/8	1/4	10	8	111	100	207	2.2	2.0	
1/2	3/8	15	10	111	100	207	2.4	2.2	
3/4	1/2	20	15	111	100	207	3.8	2.4	
1	3/4	25	20	130	125	240	4.2	3.8	
1-1/4	1	32	25	152	160	258	8.0	4.2	
1-1/2	1-1/4	40	32	172	160	290	13.2	8.0	
2	1-1/2	50	40	220	180	337	16.8	13.2	
	2		50	235	200	354	-	16.8	

Technical Standard

Design standard: API 602、BS5352、ASME B16.34
 Connecting size: ASME B1.20.1、ASME B16.11
 Inspection and test: API 598

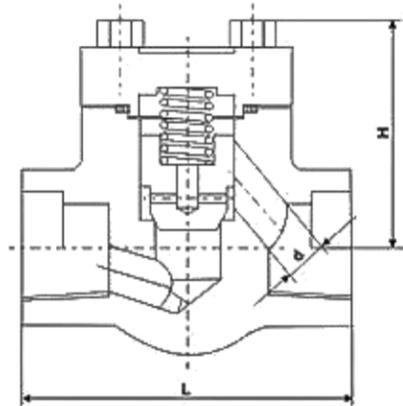
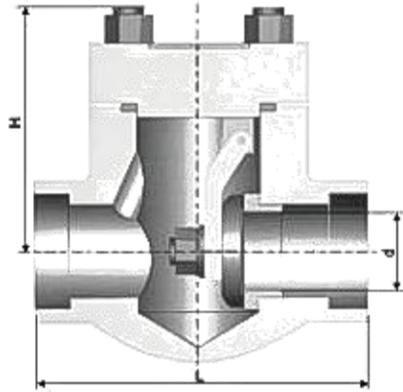
Main Size and Weight



CLASS 1500-600										
SIZE		pressure class	L (mm)	W (mm)	H (mm)		WT (kg)		WT (kg)	
inch	mm				Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore
1/2	15	150	108	108	158	163	100	100	4.5	6.9
		300	152	152					4.8	7.7
		600	165	165					5.6	7.8
3/4	20	150	117	117	163	193	100	125	6.9	9.8
		300	178	178					7.7	11.3
		600	190	190					7.8	12.5
1	25	150	127	127	193	250	125	160	9.8	13.5
		300	203	203					11.1	16.8
		600	216	216					12.5	17.5
1-1/4	32	150	140	140	250	250	160	160	13.5	19.5
		300	216	216					16.8	21.2
		600	229	229					17.0	23.5
1-1/2	40	150	165	165	250	291	160	180	19.5	28.5
		300	229	229					21.2	32.6
		600	241	241					23.5	38.5
2	50	150	203	203	291	312	180	200	28.0	30.3
		300	267	267					32.6	35.0
		600	292	292					38.8	42.2

Technical Standard

Design standard: API 602、BS5352、ASME B16. 34
 Connecting size: ASME B1. 20. 1、ASME B16. 11
 Inspection and teet: API 598



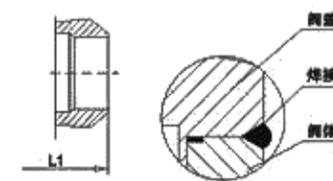
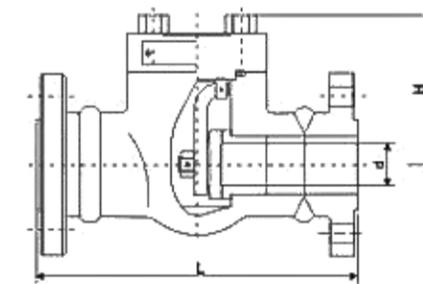
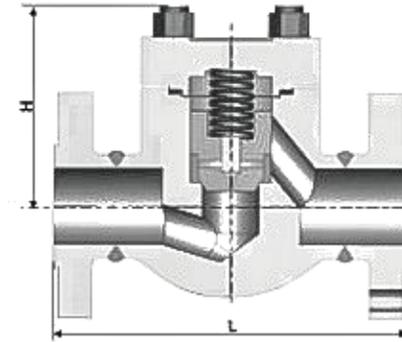
Main Size and Weight

CLASS 150-800									
SIZE				L (mm)		H (mm)		WT (kg)	
inch		mm		Rising Type	Swing Type	Rising Type	Swing Type	Rising Type	Swing Type
Reduced Bore	Full Bore	Reduced Bore	Full Bore						
1/4	-	8	-	79	79	61	61	1.1	1.0
3/8	1/4	10	8	79	79	61	61	1.2	1.1
1/2	3/8	15	10	79	79	61	61	1.3	1.2
3/4	1/2	20	15	92	92	61	61	1.4	1.3
1	3/4	25	20	111	111	78	78	2.3	1.9
1-1/4	1	32	25	120	120	84	84	3.9	3.4
1-1/2	1-1/4	40	32	152	120	109	101	5.6	4.5
2	1-1/2	50	40	172	140	118	120	8.9	7.3
-	2	-	50	200	170	132	133	12.5	10.0

CLASS 900-1500									
SIZE				L (mm)		H (mm)		WT (kg)	
inch		mm		Rising Type	Swing Type	Rising Type	Swing Type	Rising Type	Swing Type
Reduced Bore	Full Bore	Reduced Bore	Full Bore						
1/4	-	8	-	111	111	79	79	3.0	3.0
3/8	1/4	10	8	111	111	79	79	3.1	3.1
1/2	3/8	15	10	111	111	79	79	3.2	3.2
3/4	1/2	20	15	111	111	79	79	3.4	3.6
1	3/4	25	20	130	120	97	97	4.8	4.3
1-1/4	1	32	25	152	140	104	105	6.9	6.1
1-1/2	1-1/4	40	32	172	140	120	120	10.7	8.8
2	1-1/2	50	40	220	162	139	140	14.6	12.6
-	2	-	50	-	-	-	-	-	-

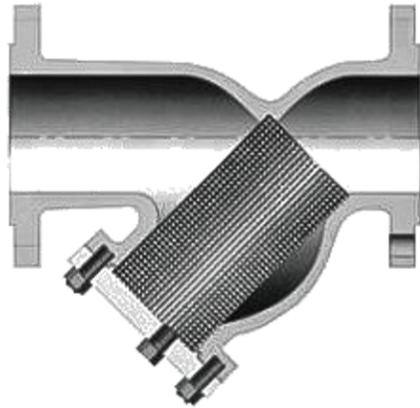
Technical Standard

Design standard: API 602、BS5352、ASME B16. 34
 Connecting size: ASME B1. 20. 1、ASME B16. 11
 Inspection and teet: API 598



Main Size and Weight

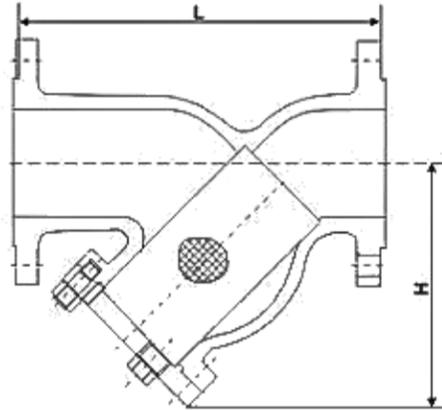
CLASS 150-300											
SIZE		pressure class	L (mm)	H (mm)				WT (kg)			
inch	mm			Rising Type		Rising Type		Rising Type		Rising Type	
Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore
1/2	15	150	108	61	61	61	61	2.6	3.4	2.5	3.3
		300	152					2.7	3.7	2.6	3.6
		600	165					3.0	4.0	2.9	4.3
3/4	20	150	117	61	78	61	78	3.4	4.4	3.3	4.8
		300	178					3.7	4.7	3.6	5.1
		600	190					4.0	5.8	4.3	6.2
1	25	150	127	78	84	78	84	4.4	8.2	4.8	7.0
		300	203					4.7	8.8	5.1	7.4
		600	216					5.8	9.5	6.2	7.7
1-1/4	32	150	140	84	103	84	101	8.2	8.9	7.0	7.5
		300	216					8.8	9.6	7.4	7.9
		600	229					9.5	10.1	7.7	9.3
1-1/2	40	150	165	108	118	101	120	8.9	12.0	7.5	11.3
		300	229					9.6	13.7	7.9	11.7
		600	241					10.1	15.6	9.3	13.2
2	50	150	203	118	132	120	133	12.6	14.3	11.3	13.6
		300	267					13.7	17.8	11.7	16.8
		600	292					15.6	24.6	13.2	20.5



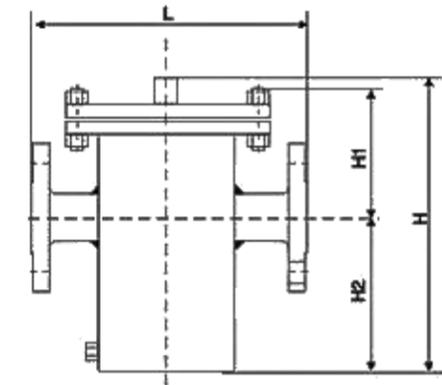
Technical Standard

Design standard: API 602、BS5352、ASME B16.34
 Connecting size: ASME B1.20.1、ASME B16.11
 Inspection and test: API 598

Main Size and Weight



Y型



直式

CLASS 150-300						
SIZE	Inch	1/2	3/4	1	1 - 1/2	2
	mm	15	20	25	40	50
L	mm	150	150	160	200	230
H	mm	70	70	95	135	165
WT-CLASS 150	Kg	1.8	3	6	8	10
WT-CLASS 300	Kg	3	5	8	10	13
SIZE	Inch	2 - 1/2	3	4	6	8
	mm	65	80	100	150	200
L	mm	270	290	310	430	500
H	mm	180	189	235	345	410
WT-CLASS 150	Kg	13	15	26	53	76
WT-CLASS 300	Kg	20	40	60	83	112

CLASS 600						
SIZE	Inch	1/2	3/4	1	1 - 1/2	2
	mm	15	20	25	40	50
L	mm	160	160	175	230	250
H	mm	80	80	110	150	180
WT	Kg	2.5	5	10	12	15
SIZE	Inch	2 - 1/2	3	4	6	8
	mm	65	80	100	150	200
L	mm	290	310	350	480	560
H	mm	195	200	255	370	430
WT	Kg	25	50	75	113	155

CLASS 150-300									
SIZE	Inch	1	1 - 1/2	2	2 - 1/2	3	4	6	8
	mm	25	40	50	65	80	100	150	200
L	mm	215	270	270	330	340	430	500	560
H	mm	470	560	560	710	790	820	-	-
H1	mm	105	130	130	145	150	175	210	260
H2	mm	165	175	175	210	255	300	425	525
WT-CLASS 150	Kg	6	8	10	14	16	27	55	78
WT-CLASS 300	Kg	8	10	14	20	38	55	90	120