

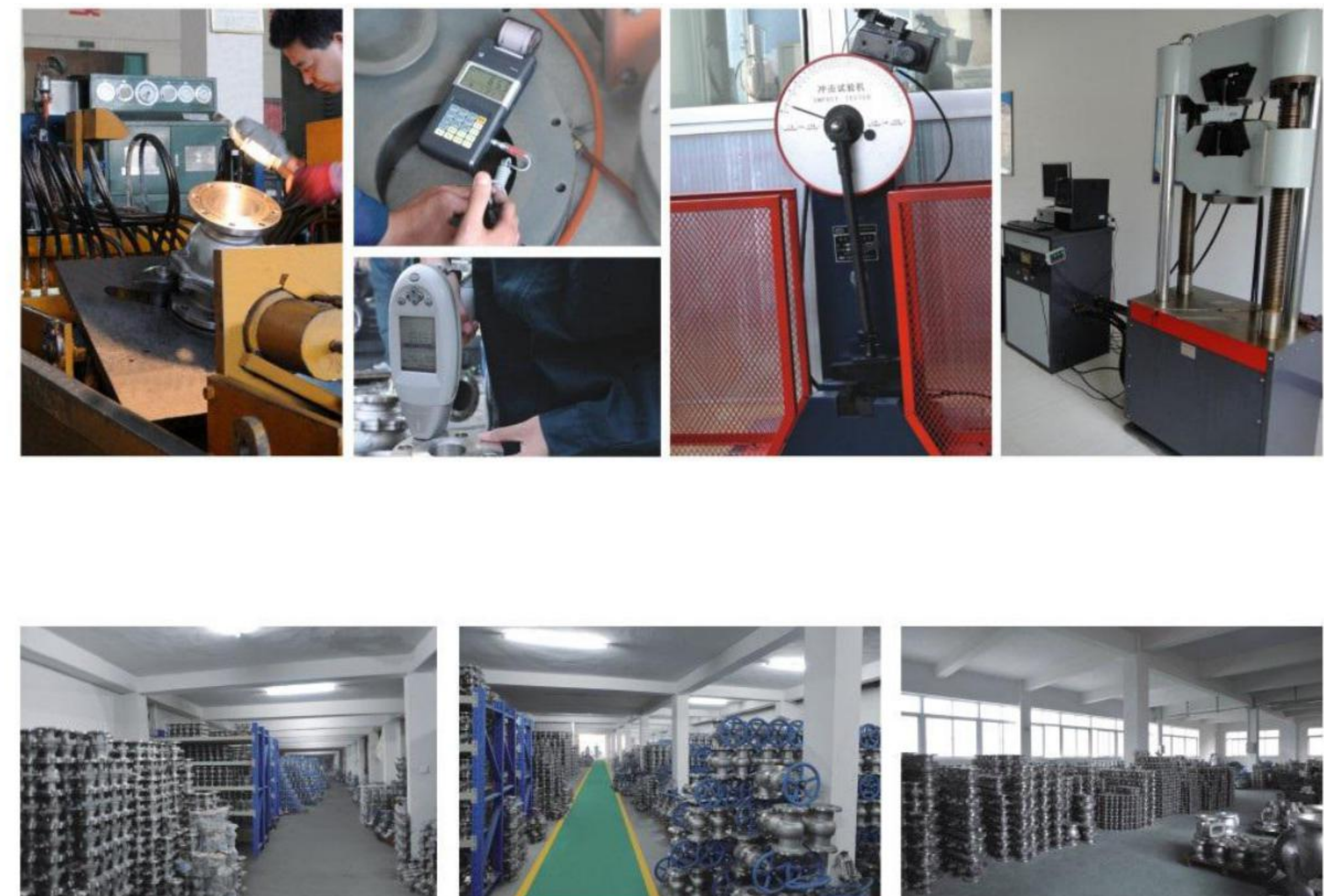
Production Equipment

Strong technology, sophisticated equipment, advanced technology, better attitude ---ultimately create our stable and trustworthy product quality and brand.



Inspection Equipment

First-class testing equipment, the meticulous testing means and perfect quality assurance system, to ensure the stability and reliability of product



Service

Water Large comprehensively enforces EPR Data Collection System and information sharing starting from quotations, drawing designs, order review, purchasing, production, inspection to shipment and carries out scientific management.
Water Large wins the market based on our profession and better service to global customers.



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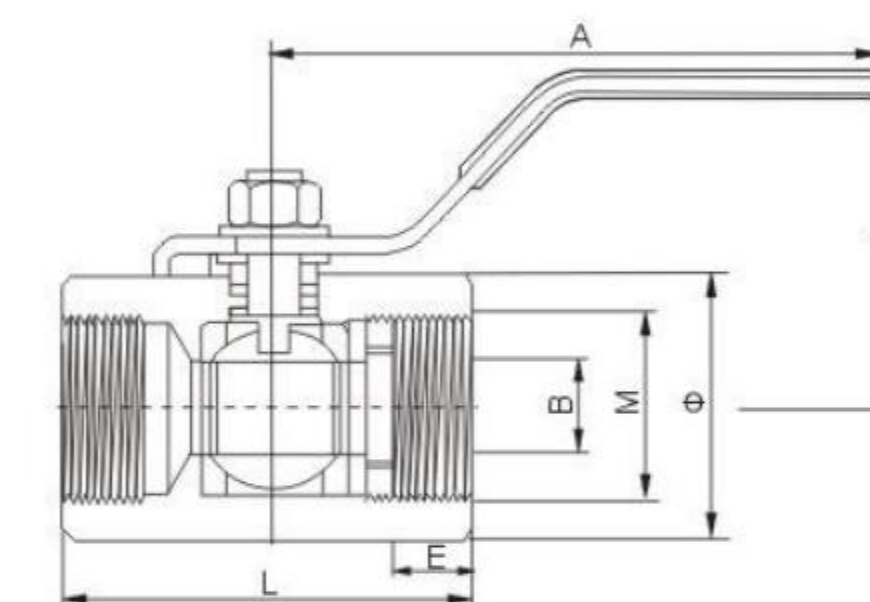
Piece Ball Valve Series



The major products are stainless steel and carbon steel ball valve, gate valve, globe valve, check valve and Y-strainer. All valves manufactured accord to ANSI B 16.34 Standard.

1PC Threaded Ball Valve

Q11F



Specifications

Design and manufacture: ASME B 16.34

Class: 1000PSI

Temperature Range: -50°C to 232°C

Threaded End: NPT, BSPT, BSP, DIN259/2999, ISO228

Suitable medium: Water, oil, air and some corrosive liquid

Reduced Bore

Materials of main parts

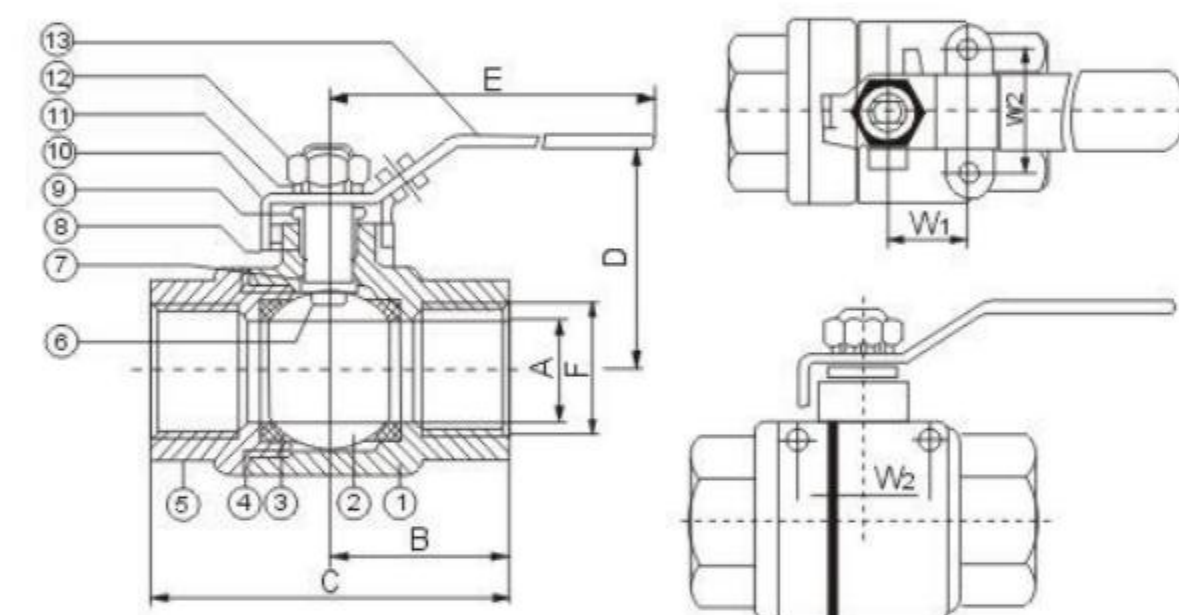
ITEM	Q11F-1000PSI	Q11F-1000PSI	Q11F-1000PSI
Description of parts			
Body	A351 CF8	A351 CF8M	A216 WCB
Ball	A182 F304	A182 F316	A105+ENP
Stem	A182 F304	A182 F316	A182 F6a
Seal ring	Polytetrafluoroethylene (PTFE)		
Packing	Polytetrafluoroethylene (PTFE)		

Dimensions

DN	SIZE	B	L	E	H	A
10	3/8 "	8	50	15	30	65
15	1/2 "	9.5	56	17	34	85
20	3/4 "	12.5	60	18	40	95
25	1 "	16	71	20	52	110
32	1 1/4 "	20	78	21.5	62	140
40	1 1/2 "	25	96	23	68	140
50	2 "	32	101	24.5	75	155
65	2 1/2 "	40	120	25	82	180

2PC Threaded Ball Valve

Q11F



Specifications

Design and manufacture: ASME B 16.34

Class: 1000PSI

Temperature Range: -50℃ to 232℃

Threaded End: NPT, BSPT, BSP, DIN259/2999, ISO228

Suitable medium: Water, oil, air and somecorrosive liquid

Full Bore

Main parts and materials v-205s

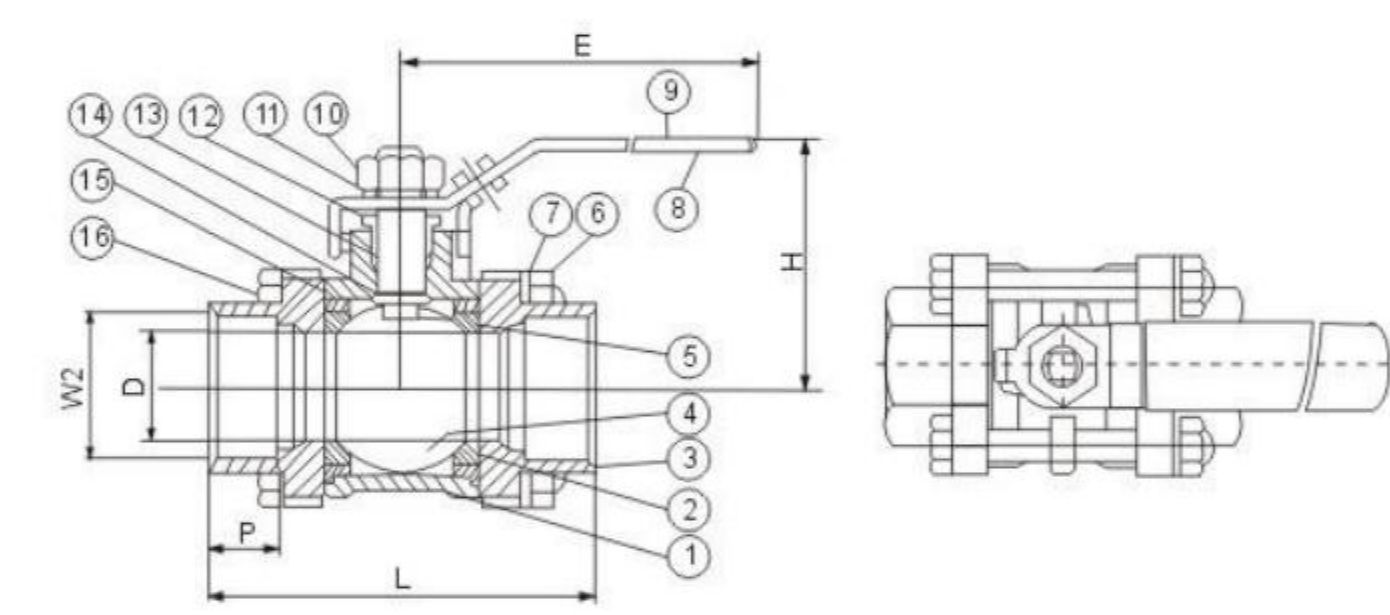
ITEM	Part name	Material			数量QTY
		CF8	CF8M	WCB	
1	Body	A351 CF8	A351 CF8M	A216 WCB	1
2	Ball	A182 F304	A182 F316	A182 F6a	1
3	Seat	PTFE	PTFE	PTFE	2
4	Joing gasket	PTFE	PTFE	PTFE	1
5	End cap	A351 CF8	A351 CF8M	A216 WCB	1
6	Stem	A182 F304	A182 F316	A105	1
7	hrust washer	PTFE	PTFE	PTFE	1
8	Stem packing	PTFE	PTFE	PTFE	1
9	Gland nut	A276 304	A276 304	AISI 1035	1
10	Handle	A276 304	A276 304	KTH 330-08	1
11	Stem washer	A276 304	A276 304	AISI 1025	1
12	Stem nut	A193 B8	A193 B8	A194 2H	1
13	Handle cover	Plastic	Plastic	Plastic	1

Dimensions

SIZE	F	A	B	C	D	E	W1	W2	H
1 / 4 "	1 / 4 " NPT or BSPT	11.6	27.5	57	49	120	12.7	28.5	10-24UNC
3 / 8 "	3 / 8 " NPT or BSPT	12.7	27.5	57	49	120	12.7	28.5	10-24UNC
1 / 2 "	1 / 2 " NPT or BSPT	15	32.5	64	51	120	12.7	28.5	10-24UNC
3 / 4 "	3 / 4 " NPT or BSPT	20	37	75	58	130	22.4	35	10-24UNC
1 "	1 " NPT or BSPT	25	44	88	70	154	22.4	35	10-24UNC
1 1 / 4 "	1 1 / 4 " NPT or BSPT	32	51	99	80	154	25.4	38.1	1 / 4-20UNS
1 1 / 2 "	1 1 / 2 " NPT or BSPT	38	55	118	88	185	25.4	38.1	1 / 4-20UNS
2 "	2 " NPT or BSPT	50	62.5	136	97	185	25.4	38.1	1 / 4-20UNS
2 1 / 2 "	2 1 / 2 " NPT or BSPT	65	81.5	161.5	130	250	N/A	58	1 / 4-20UNS
3 "	3 " NPT or BSPT	80	89	178	148	250	N/A	70	1 / 4-20UNS

3PC Threaded Ball Valve

Q11F



Specifications

Design and manufacture: ASME B 16.34

Class: 1000PSI

Temperature Range: -50℃ to 232℃

Threaded End: NPT, BSPT, BSP, DIN259/2999, ISO228, Socket Weld, Butt Weld

Suitable medium: Water, oil, air and some corrosive liquid

Full Bore

Main parts and materials

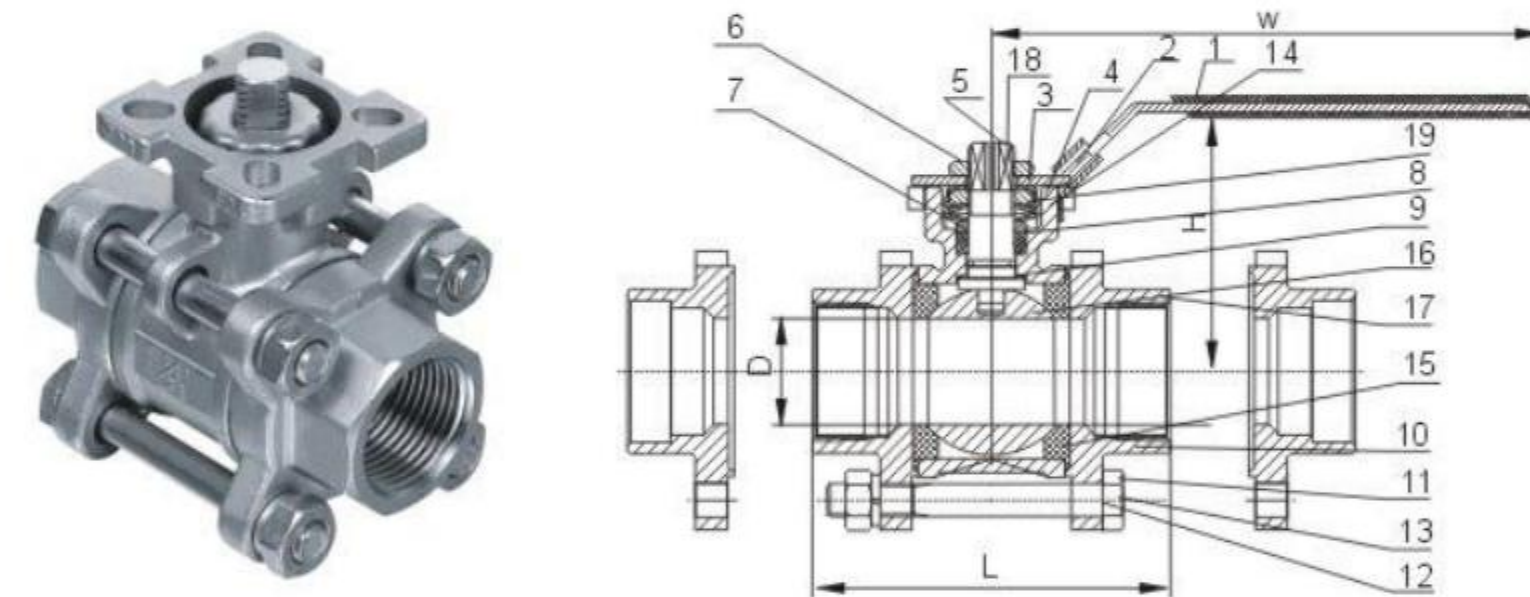
NO	Part name	Material			QTY
		CF8	CF8M	WCB	
1	Body	A351 CF8	A351 CF8M	A216 WCB	1
2	Seat	PTFE	PTFE	PTFE	2
3	Cap	A351 CF8	A351 CF8M	A216 WCB	2
4	Ball	A105+ENP	A105+ENP	A105+ENP	1
5	Stem	A105+ENP	A105+ENP	A182 F6a	1
6	Nut	A193 B8	A193 B8	A194 2H	4
7	Washer	A276 304	A276 304	A276 304	4
8	Handle cover	Plastic	Plastic	Plastic	1
9	Handle	A351 CF8	A351 CF8M	A194 2H	1
10	Stem nut	A276 304	A276 304	A193 B7	1
11	Stem washer	A276 304	A276 304	A276 304	1
12	Gland nut	A276 304	A276 304	A194 2H	1
13	Joing gasket	PTFE	PTFE	PTFE	1
14	Thrust washer	PTFE	PTFE	PTFE	1
15	Stem packing	PTFE	PTFE	PTFE	2
16	Bolt	A193 B8	A193 B8	A193 B8	4

Dimensions

Size	D	L	H	E	W2	F	P
1 / 4 "	11.6	65	48	120	28.5	14.1	10
3 / 8 "	12.7	65	48	120	28.5	17.6	10
1 / 2 "	15	67	54	120	28.5	21.8	10
3 / 4 "	20	82	57	130	35	27.4	13
1 "	25	91	72	154	35	34.1	13
1 1 / 4 "	32	108	79	154	38.1	42.8	16
1 1 / 2 "	38	129	81	185	38.1	48.7	16
2 "	50	148	97	185	38.1	61	18
2 1 / 2 "	65	164.5	130	250	58	77	18
3 "	80	182.5	148	250	70	89.9	20

3PC Thread Ball Valve With High Mounting Pad

Q11F



Specifications:

Design and manufacture: ASME B 16.34
Class: 1000PSI
Temperature Range: -50°C to 232°C
Threaded End: BSPT, NPT, BSP, DIN2999
Suitable medium: Water, oil, air and some corrosive liquid

Main Parts And Materials

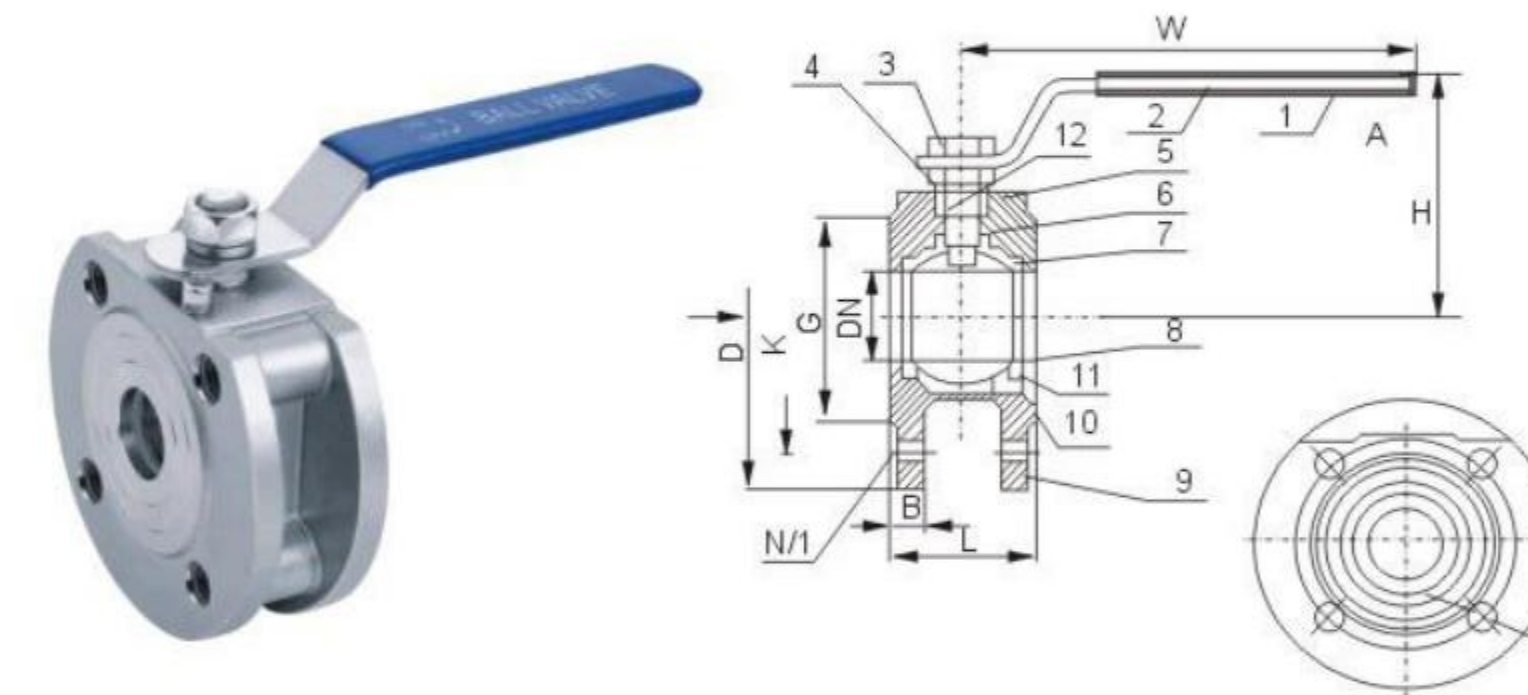
NO.	PART NAME	MATERIAL
1	Handle Cover	Plastic
2	Handle	304
3	Bolt	304
4	Bolt Nut	304
5	Stem Nut	304
6	Adjustable Ring	304
7	Spring Washer	304
8	Stem Packing	PTFE
9	Body Seal	PTFE
10	Bonnet	CF8/CF8M
11	Bolt	304
12	Thrust Washer	304
13	Nut	304
14	Body	CF8/CF8M
15	Ball Seat	PTFE
16	Ball	CF8/CF8M
17	Thrust Washer	PTFE
18	Stem	304
19	Gland Ring	304

Dimensions

SIZE	ΦD	L	H	W
1/4"	12.5	64	68.4	135
3/8"	12.5	64	68.4	135
1/2"	15	72	72	135
3/4"	20	80	78	135
1"	25	85	90.3	152
1 1/4"	32	105	95.3	152
1 1/2"	38	113	107	188
2"	50	132	122	188
2 1/2"	65	170	155	233
3"	76	186	164	233
4"	94	220	172	335

1PC Wafer Flanged Ball Valve

Q71F



Specifications:

Design and manufacture: ASME B 16.34
Class: 1.6Mpa-2.5Mpa
Temperature Range: -50°C to 232°C
Suitable medium: Water, oil, air and some corrosive liquid

Materials of main parts

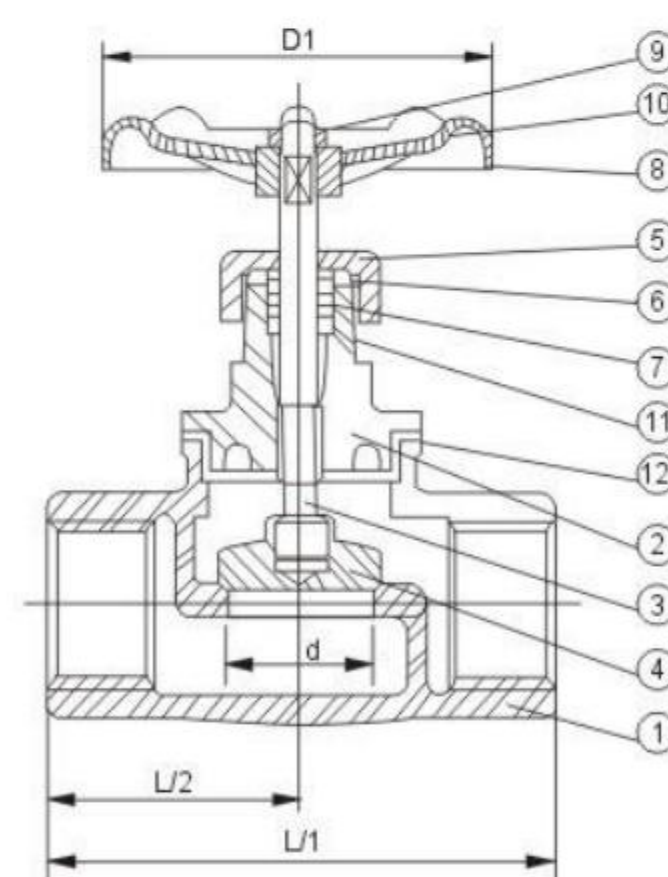
NO.	PART NAME	CF8	CF8M	WCB
1	Handle Cover	Plastic	Plastic	Plastic
2	Handle	304	304	304
3	Nut	304	304	304
4	Ring	304	304	304
5	Packing	PTFE	PTFE	PTFE
6	Seal	PTFE	PTFE	PTFE
7	Ball Seat	RPTFE	RPTFE	RPTFE
8	Ball	CF8	CF8M	CF8
9	Body	CF8	CF8M	WCB
10	Cap	CF8	CF8M	WCB
11	Stem	304	316	304

Dimensions

SIZE	L	K	H	W
1/2"	40	65	63	125
3/4"	44	75	68	125
1"	48	85	80	107
1-1/4"	54	100	87	167
1-1/2"	62	110	104	190
2"	71	125	110	195
2-1/2"	90	145	128	310
3"	110	160	135	310
4"	135	180	151	295
5"	197	210	192	295
6"	231	240	231	350

200PSI Thread Globe Valve

J15W



Specifications

Design and manufacture: ASME B 16.34
Class: 200PSI
Temperature Range: -50°C to 232°C
Threaded End: NPT, BSPT, DIN259/2999 or ZG.G
Suitable medium: Water, oil, air and some corrosive liquid
Operation: Handwheel

Materials of main parts

ITEM	Parts	Material	
1	Body	ASTM A351 CF8	ASTMA351 CF8M
2	Bonnet	ASTM A351 CF8	ASTMA351 CF8M
3	Stem	A182 F304	A182 F316
4	Disc	A351 CF8	A351 CF8M
5	Packing nut	S.S.304	S.S.316
6	Gland	A351 CF8	A351 CF8
7	Packing	R-PTFE	R-PTFE
8	Handwheel	ASTM B85	ASTM B85
9	Stemnut	S.S.304	S.S.304
10	Name plate	Aluminum alloy	Aluminum alloy
11	Washer	S.S.304	S.S.304
12	Sealing gasket	R-PTFE	R-PTFE

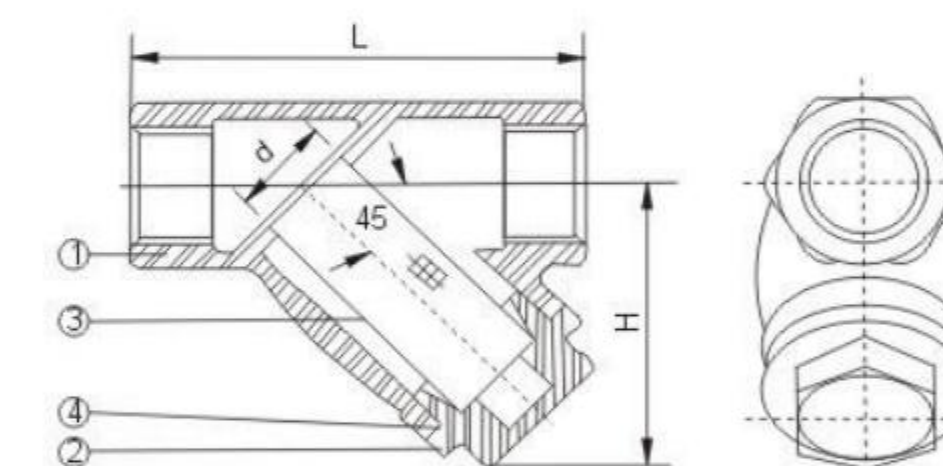
Dimensions

SIZE	D	L	H	D1	Cv. Factor
1/2 "	15	66	100	70	3.8
3/4 "	20	80	106	70	7.0
1 "	25	90	118	80	11.0
1 1/4 "	32	105	134	80	21.0
1 1/2 "	40	120	152	90	29.0
2 "	50	141	172	100	50.0

Thread Y-Strainer/Swing check valve

GL14W、H14W

800PSI Y-Strainer, Threaded



Specifications

Design and manufacture: ASME B 16.34
Class: 800PSI
Temperature Range: -50°C to 232°C
Threaded End: NPT, BSPT, DIN259/2999 or ZG.G
Suitable medium: Water, oil, air and some corrosive liquid

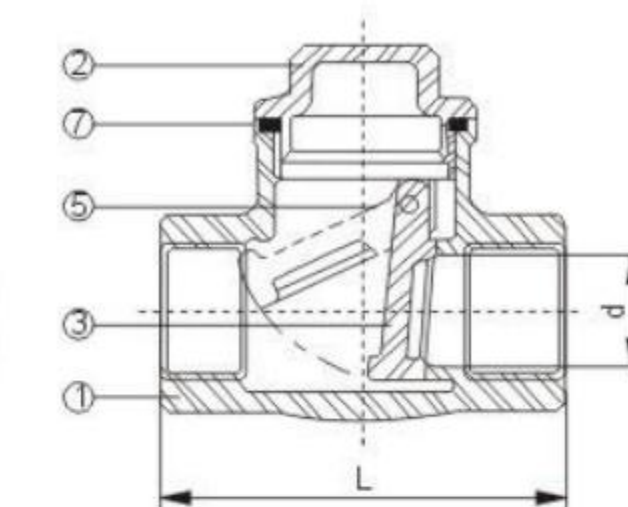
Materials of main parts

ITEM	Parts	Material	
1	Body	ASTM A351 CF8	ASTMA351 CF8M
2	Bonnet	ASTM A351 CF8	ASTMA351 CF8M
3	Screen	S.S.304	S.S.316
4	Seal ring	R-PTFE	R-PTFE

Dimensions

SIZE	D	L	H	CvFactor
1/4 "	15	78	50	3.5
3/8 "	15	78	50	3.5
1/2 "	15	78	50	3.5
3/4 "	20	93	60	6.5
1 "	25	108	70	10.0
1 1/4 "	32	128	82	19.0
1 1/2 "	40	143	92	26.0
2 "	50	173	118	45.0

Swing check valve threaded 200



Features

For general chemical and industrial services
Pressure rating: 200 psi w.o.g (non-chock)
Steam rating: 150 psi wsp
Temperature range: +200°C max
Investment cast body & bonnet (solution-treated)
End type: NPT, BSPT, DIN259/2999 or ZG.G
Screwed bonnet
Swing type disc

Pressure temperature ratings

Below 120 non-shock water 200psi (14kgf/cm²) (max)
Below 220 air, water, oil, gas 150psi (14kgf/cm²) (max)
Saturated steam 150psi (14kgf/cm²) (max)

Materials of main parts

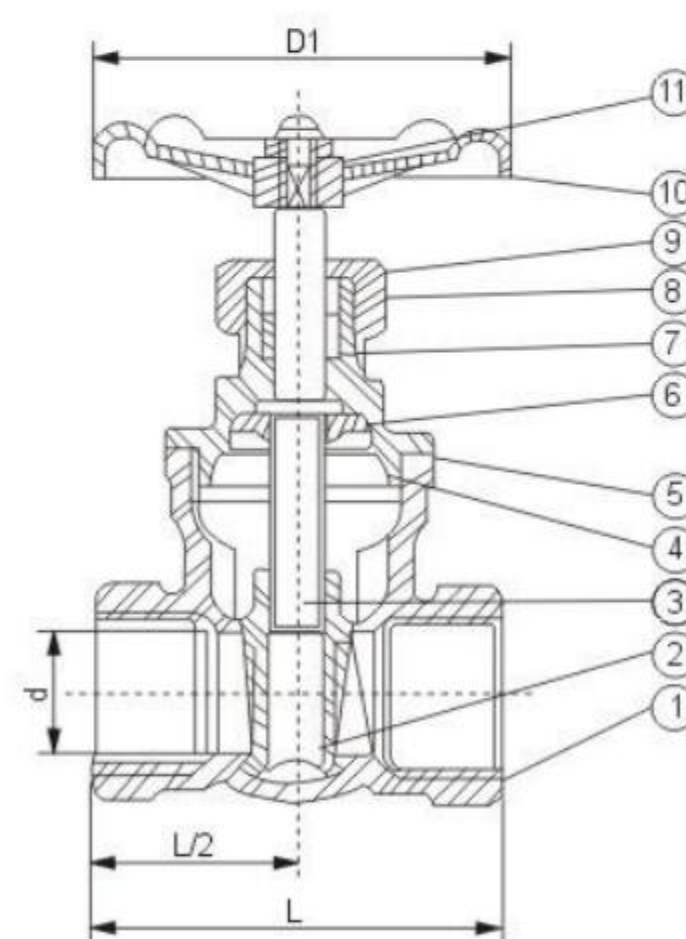
ITEM	Parts	Material	
1	Body	ASTM A351 CF8	ASTM A351 CF8M
2	Bonnet	ASTM A351 CF8	ASTM A351 CF8M
3	Disc	ASTM A351 CF8	ASTM A351 CF8M
4	Plug	S.S.304	S.S.316
5	Pin	S.S.304	S.S.316
6	Plug gasket	PTFE	PTFE
7	Gasket	PTFE	PTFE

Dimensions

SIZE	d	L	H	Cv. Factor
1/2 "	15	65	44	6.9
3/4 "	20	80	53	16.3
1 "	25	90	58	30.0
1 1/4 "	32	105	62	49.0
1 1/2 "	40	120	73	72.0
2 "	50	141	78	130.0

200PSI Threaded Gate Valve

Z15W



Features

For general chemical and industrial services
Design and manufacture: ASME B 16.34
Pressure rating: 200psi w.o.g (non-shock)
Steam rating: 150psi wsp
Temperature range: +253°C max
Investment cast body & bonnet (solution-treated)
Threaded End: NPT, BSPT, DIN259/2999 or ZG.G
Inside screw and screwed bonnet
Non-rising stem and handwheel
Solid wedge disc
High performance and low cost

Materials of main parts

ITEM	Parts	Material	
1	Body	ASTMA351 CF8	ASTMA351 CF8M
2	Disc	ASTMA351 CF8	ASTMA351 CF8M
3	Stem	S.S.304	S.S.316
4	Bonnet	ASTMA351 CF8	ASTMA351 CF8M
5	Sealing gasket	R-PTFE	R-PTFE
6	Seal ring	S.S.304	S.S.316
7	Packing	R-PTFE	R-PTFE
8	Gland	S.S.304	S.S.304
9	Packing Gland	S.S.304	S.S.316
10	Handwheel	Aluminum alloy	Aluminum alloy
11	Handwheel nut	S.S.304	S.S.304

Dimensions

Size	d	L	H	D1	Cv FACTOR
1/2"	15	55	92	70	17.6
3/4"	20	60	99	70	32.0
1"	25	66	113	80	54.0
1 1/4"	32	76	128	80	97.0
1 1/2"	40	86	147	90	135.0
2"	50	96	168	100	230.0

Pressure temperature ratings

Below 120 non-shock water 200psi (14kg/cm²) (max)
Below 220 air, water, oil, gas 150psi (10kg/cm²) (max)
Saturated steam 150psi (10kg/cm²) (max)

API Valve Series



The major products are stainless steel and carbon steel ball valve, gate valve, globe valve, check valve and Y-strainer. All valves manufactured accord to API Standard.

API Gate Valve

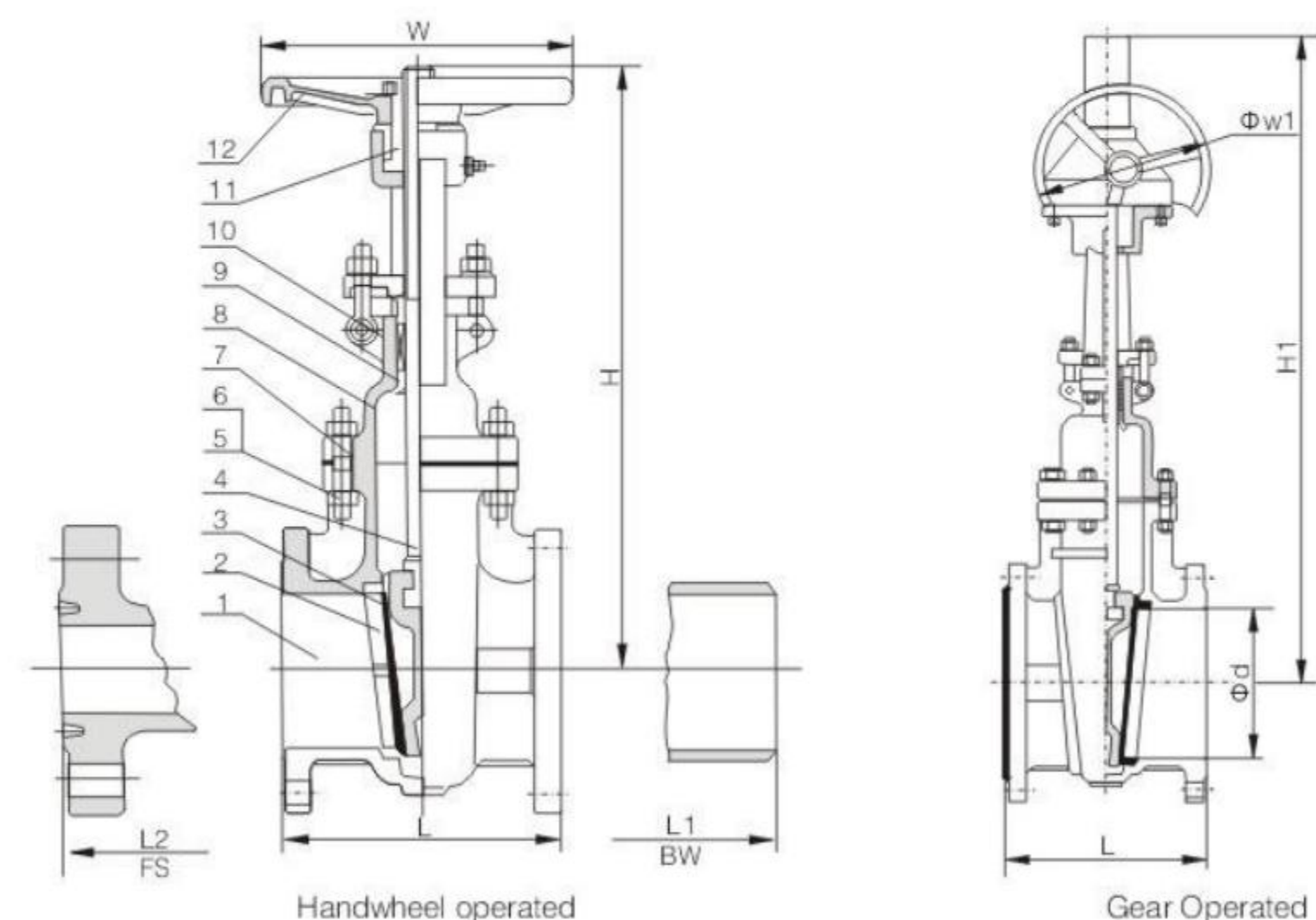


Main Parts and Materials

ITEM	Part name	Materials				
		CF8/304	CF8M/316	WCB/Trim 1	WCB/Trim 5	WCB/Trim 8
1	Body	ASTMA351 CF8	ASTMA351 CF8M	ASTMA216 WCB		
2	Gasket	Graphite+304	Graphite+316	Soft Iron+Graphite or 304+Graphite		
3	Seat	ASTMA351 CF8	ASTMA351 CF8M	A105+13Cr	A105+STL	A105+13Cr
4	Wedge	ASTMA351 CF8	ASTMA351 CF8M	ASTMA216 WCB+13Cr	ASTMA216 WCB+STL	ASTMA216 WCB+STL
5	Stem	ASTMA182 F304	ASTMA182 F316	ASTMA182 F6a		
6	Backseat bushing	ASTMA351 CF8	ASTMA351 CF8M	ASTMA182 F6a		
7	Packing	Graphite	Graphite	Graphite		
8	Gland	ASTMA182 F304	ASTMA182 F316	ASTMA182 F6a		
9	Eyebolt	ASTMA193 B8	ASTMA193 B8M	ASTMA193 B7		
10	Bolt and nut	ASTMA194 8	ASTMA194 8M	ASTMA194 2H		
11	Pin	304ss	316ss	ASTMA36		
12	Gland flange	ASTMA351 CF8	ASTMA351 CF8M	ASTMA216 WCB		
13	Stud	ASTMA193 B8	ASTMA193 B8M	ASTMA193 B7		
14	Bonnet nut	ASTMA194 8	ASTMA194 8M	ASTMA194 2H		
15	Bonnet	ASTMA351 CF8	ASTMA351 CF8M	ASTMA216 WCB		
16	Screw	Carbon steel	Carbon steel	Carbon steel		
17	Stem nut	ASTMA439 D2	ASTMA439 D2	ASTMA439 D2		
18	Yoke nut	Carbon steel	Carbon steel	Carbon steel		
19	Hand wheel	Ductile cast iron	Ductile cast iron	Ductile cast iron		
20	Hand wheel nut	Carbon steel	Carbon steel	Carbon steel		
21	Stop screw	ASTMA193 B7	ASTMA193 B7	ASTMA193 B7		

API Gate Valve

Class150



Standards

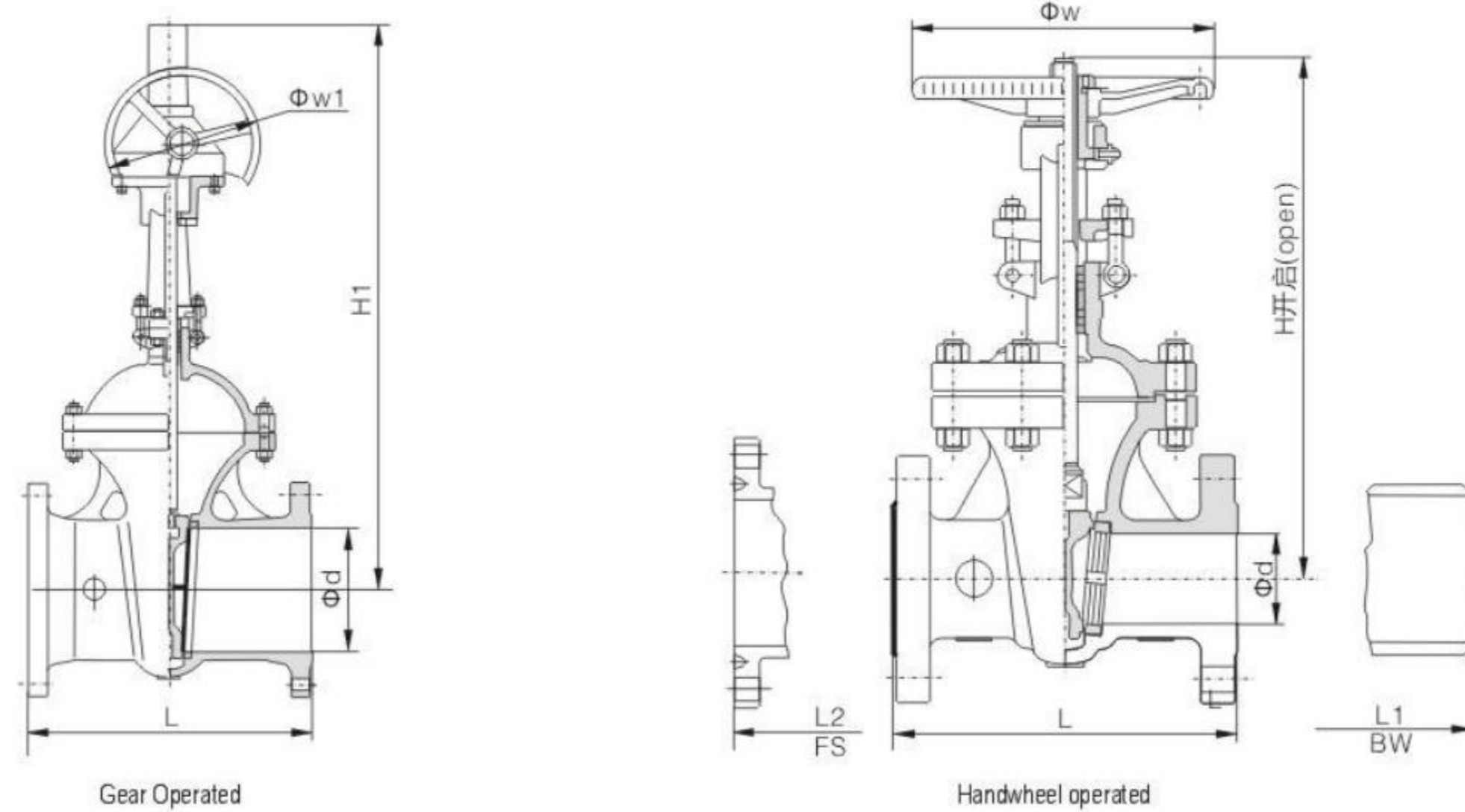
Design and Manufacture: API 6D and API 600
Inspection and Test: API 6D and API 598
RF flanged ends: ANSI B 16.5 and MSS-SP-44
Butt-welding ends: ASME B 16.25
Face to face: API 6D and ANSI B 16.10

Class 150 Stainless Steel Gate Valve

Class	Size		Dimension(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R.F	RTJ	BW							
150	1/2 "	15	108	119	108	14	195	-	120	-	4	-
	3/4 "	20	117	130	117	19	210	-	120	-	5	-
	1 "	25	127	140	127	25	240	-	140	-	7	-
	1 1/4 "	32	140	153	140	32	300	-	180	-	10	-
	1 1/2 "	40	165	178	165	38	395	-	200	-	14	-
	2 "	50	178	191	216	51	400	-	200	-	19	-
	2 1/2 "	65	191	203	241	64	435	-	200	-	25	-
	3 "	80	203	216	283	76	515	-	250	-	33.5	-
	4 "	100	229	241	305	102	595	-	280	-	48.5	-
	5 "	125	254	267	381	127	725	-	280	-	60.5	-
	6 "	150	267	279	403	152	780	820	300	310	77	104
	8 "	200	292	305	419	203	975	1020	350	310	115	150
	10 "	250	330	343	457	254	1150	1200	400	310	175	215
	12 "	300	356	368	502	305	1380	1430	450	310	280	315
	14 "	350	381	394	572	337	1545	1580	500	310	385	435
	16 "	400	406	419	610	387	1733	1780	500	460	500	552
	18 "	450	432	445	660	438	1915	1990	500	460	601	653
	20 "	500	457	470	711	489	2122	2220	600	460	764	816
	24 "	600	508	521	813	591	2520	2600	600	460	1007	1185
	26 "	650	559	-	864	633	-	2800	-	600	-	1550
	28 "	700	610	-	914	684	-	3050	-	600	-	1880
	30 "	750	610	-	914	735	-	3130	-	600	-	2300
	32 "	800	711	-	965	779	-	3280	-	600	-	2550
	34 "	850	762	-	1016	830	-	3500	-	600	-	2950
	36 "	900	711	-	1016	874	-	3720	-	600	-	3390

API Gate Valve

Class 300

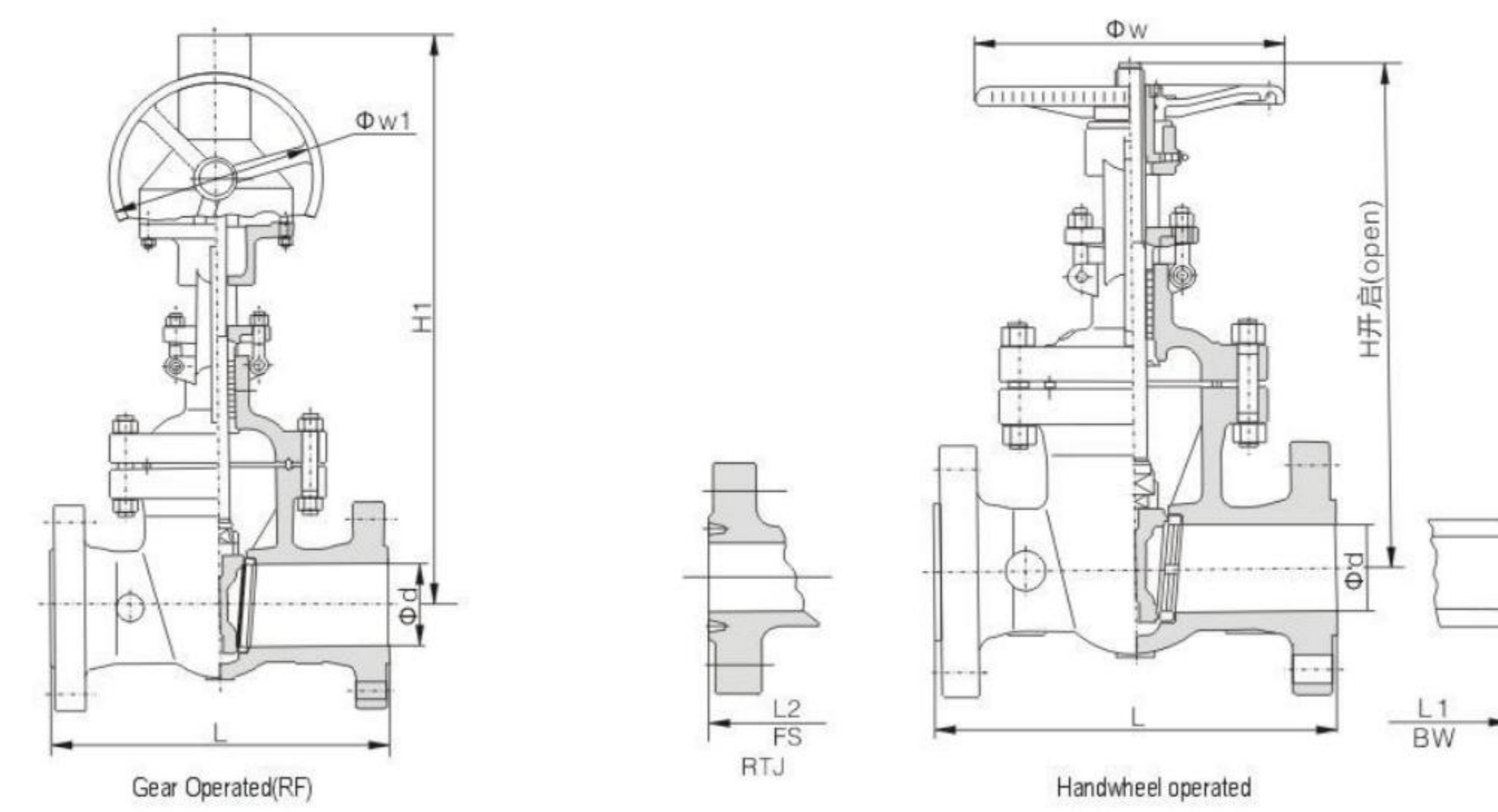


Class 300 Stainless Steel Gate Valve

Class	Size		Dimension(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R F	RTJ	BW							
300	1/2 "	15	140	151	140	14	198	-	120	-	6	-
	3/4 "	20	152	165	152	19	215	-	140	-	7	-
	1 "	25	165	178	165	25	245	-	160	-	10	-
	1 1/4 "	32	178	191	178	32	306	-	180	-	15	-
	1 1/2 "	40	190	203	190	38	400	-	200	-	21	-
	2 "	50	216	232	216	51	420	-	200	-	24	-
	2 1/2 "	65	241	257	241	64	446	-	200	-	34	-
	3 "	80	283	298	283	76	537	-	250	-	43	-
	4 "	100	305	321	305	102	619	650	280	310	63	100
	5 "	125	381	397	381	127	722	750	300	310	99	126
	6 "	150	403	419	403	152	806	835	350	310	140	186
	8 "	200	419	435	419	203	1000	1030	400	310	218	235
	10 "	250	457	473	457	254	1240	1280	450	310	350	386
	12 "	300	502	518	502	305	1425	1460	500	310	510	502
	14 "	350	762	778	762	337	1585	1620	600	460	800	756
	16 "	400	838	854	838	387	1790	1830	500	460	923	965
	18 "	450	914	930	914	438	1960	2000	650	460	1131	1224
	20 "	500	991	1010	991	489	2158	2220	750	460	1345	1400
	24 "	600	1143	1165	1143	591	2576	2620	900	600	2122	2385
	26 "	650	1245	1270	1245	633	-	2850	-	600	-	3000
	28 "	700	1346	1372	1346	684	-	3080	-	600	-	3300
	30 "	750	1397	1422	1397	735	-	3180	-	600	-	3550
	32 "	800	1524	1553	1524	779	-	3300	-	600	-	4400
	34 "	850	1626	1654	1626	830	-	3550	-	600	-	5200
	36 "	900	1727	1756	1727	874	-	3760	-	600	-	6050

API Gate Valve

Class600、Class 900

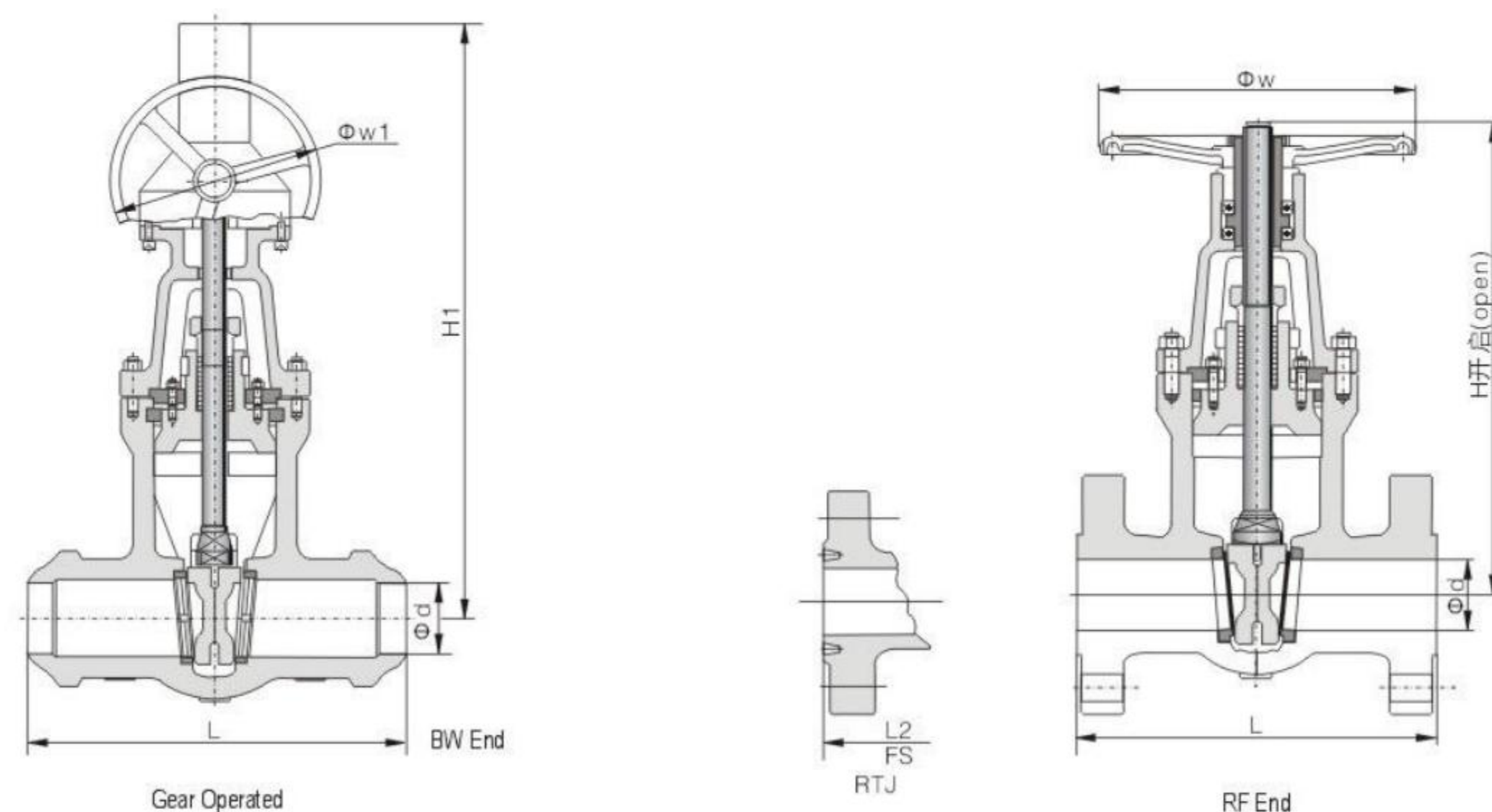


Class 600 & Class 900 Stainless Steel Gate Valve

Class	Size		Dimension(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R F	RTJ	BW							
Class 600	2 "	50	292	295	292	51	444	-	200	-	32	-
	2 1/2 "	65	330	333	330	64	500	-	250	-	52	-
	3 "	80	356	359	356	76	558	585	280	310	60	87
	4 "	100	432	435	432	102	665	695	300	310	107	134
	5 "	125	508	511	508	127	760	790	350	310	175	227
	6 "	150	559	562	559	152	868	900	450	310	216	268
	8 "	200	660	664	660	203	1073	1110	500	310	399	451
	10 "	250	787	791	787	254	1263	1300	650	460	605	657
	12 "	300	838	841	838	305	1600	1650	700	460	851	893
	14 "	350	889	892	889	337	1705	1750	900	460	1177	1232
	16 "	400	991	994	991	387	1835	1900	900	460	1513	1568
	18 "	450	1092	1095	1092	438	-	2020	-	600	-	1980
Class 900	20 "	500	1194	1200	1194	489	-	2172	-	600	-	2460
	24 "	600	1397	1407	1397	591	-	2650	-	600	-	3650
	2 "	50	368	371	368	51	500	-	280	-	70	-
	2 1/2 "	65	419	422	419	64	550	-	280	-	110	-
	3 "	80	381	384	381	76	610	660	300	310	140	167
	4 "	100	457	460	457	102	702	750	350	310	200	227
	5 "	125	559	562	559	127	850	900	400	310	258	285
	6 "	150	610	613	610	152	980	1060	500	460	358	410
	8 "	200	737	740	737	203	1100	1140	650	460	550	600
	10 "	250	838	841	838	254	1320	1370	700	460	1000	1100
	12 "	300	965	968	965	305	1500	1580	900	460	1215	1310
	14 "	350	1029	1038	1029	322	1900	1950	900	600	1600	1700
	16 "	400	1130	1140	1130	373	2050	2100	900	600	2150	2330

API Gate Valve

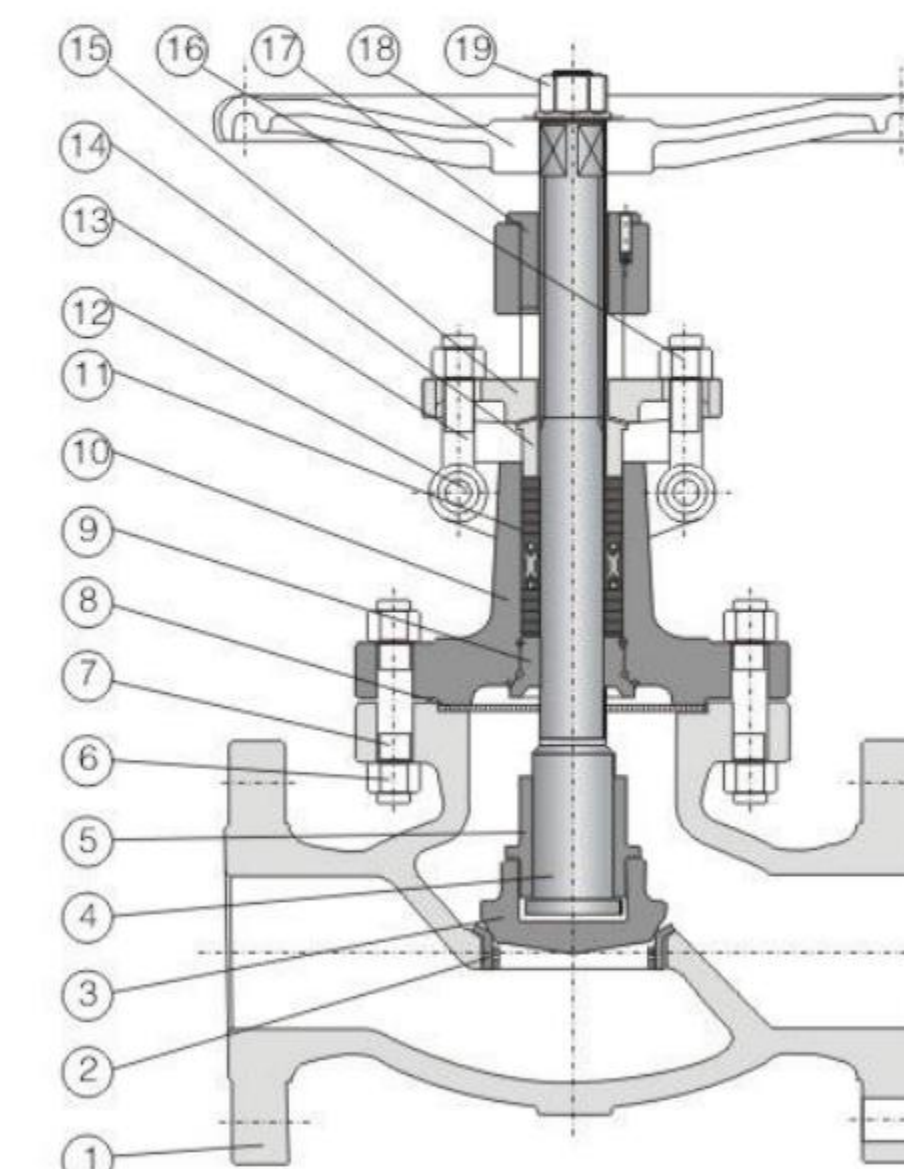
Class1500、Class2500



Class 1500 & Class 2500 Stainless Steel Gate Valve

Class	Size		Dimension(mm)								Weight (kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R.F	RTJ	BW							
Class 1500	2 "	50	368	371	368	51	510	-	280	-	70	-
	2 1/2 "	65	419	422	419	64	560	-	300	-	110	-
	3 "	80	470	473	470	76	620	670	350	310	175	202
	4 "	100	546	549	546	102	728	770	400	310	270	300
	5 "	125	673	676	673	127	870	920	450	310	378	405
	6 "	150	705	711	705	144	1000	1070	500	460	520	575
	8 "	200	832	841	832	192	1130	1180	750	460	820	915
	10 "	250	991	1000	991	239	1360	1410	900	600	1560	1750
	12 "	300	1130	1146	1130	287	-	1620	-	600	-	2120
	14 "	350	1257	1276	1257	315	-	2020	-	600	-	2600
Class 2500	16 "	400	1384	1407	1384	360	-	2180	-	600	-	3450
	2 "	50	451	454	451	42	530	580	280	310	100	130
	2 1/2 "	65	508	514	508	52	580	630	300	310	150	180
	3 "	80	578	584	578	62	650	700	350	310	245	275
	4 "	100	673	683	673	87	750	800	400	310	390	420
	5 "	125	794	807	794	96	900	960	500	460	550	580
	6 "	150	914	927	914	131	1040	1100	600	460	780	835
	8 "	200	1022	1038	1022	179	1150	1200	750	460	1260	1355
	10 "	250	1270	1292	1270	223	1400	1460	900	600	2380	2565
	12 "	300	1422	1445	1422	265	-	1660	-	600	-	3250

API Globe Valve



Standards

Design and Manufacture: BS 1873 and ANSI B16.34.
 Inspection and Test: API 598.
 End flange dimension: ASME B16.5
 BW end dimension: ASME B16.25.
 Socket-weld dimension: ASME B16.11
 Face to face: ASME B16.10

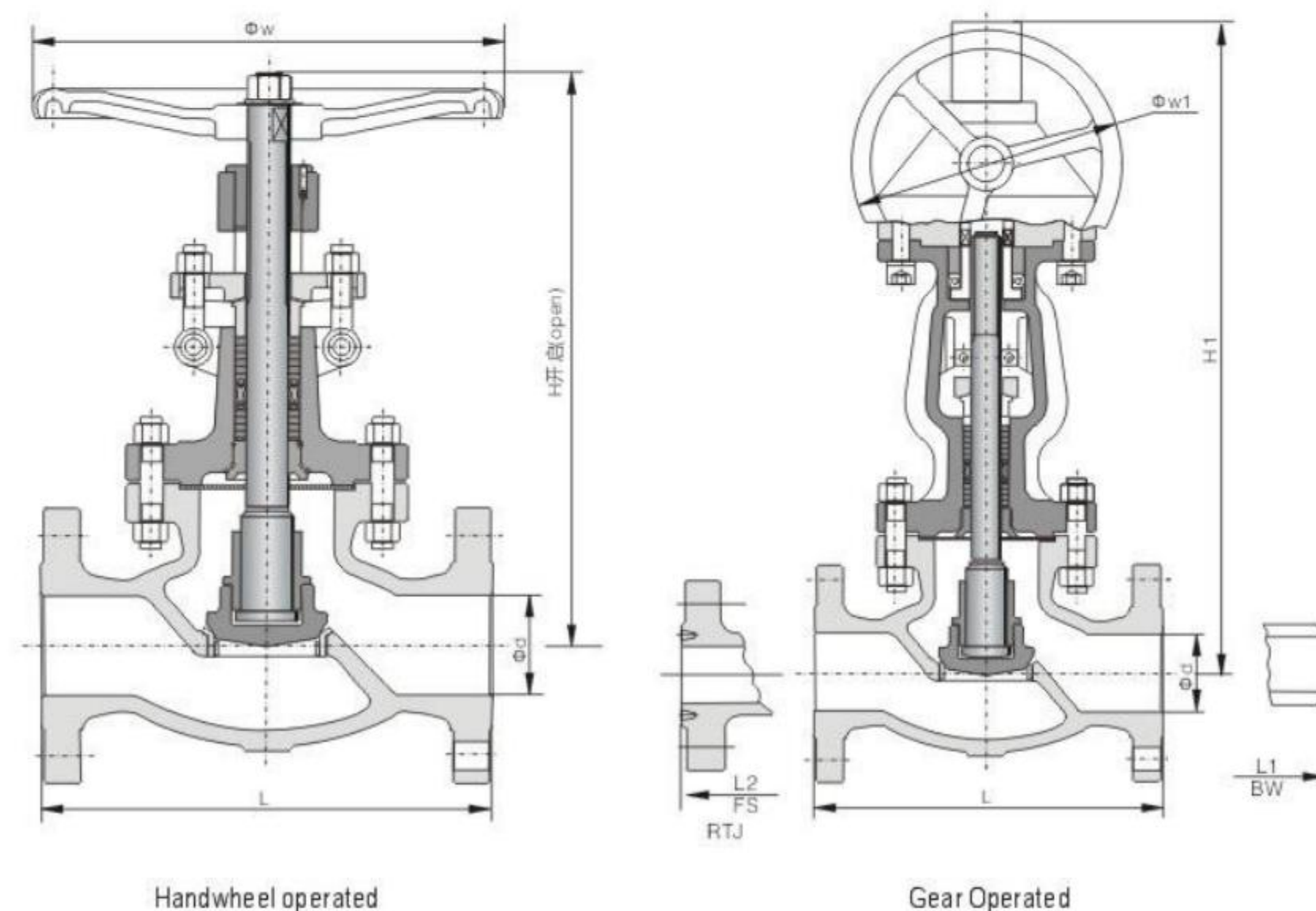
Main Parts and Materials

ITEM	Parts name	Materials				
		CF8/304	CF8M316	WCB/Trim 1	WCB/Trim 5	WCB/Trim 8
1	Body	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB		
2	Seat	ASTM A351 CF8	ASTM A351 CF8M	A105+13Cr	A105+STL	A105+13Cr
3	Disc	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB+13Cr	ASTM A216 WCB+STL	ASTM A216 WCB+STL
4	Stem	ASTM A182 F304	ASTM A182 F316	ASTM A182 F6a		
5	Disc nut	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB		
6	Bonnet nut	ASTM A194 8	ASTM A194 8M	ASTM A194 2H		
7	Bonnet bolt	ASTM A193 B8	ASTM A193 B8M	ASTM A193 B7		
8	Gasket	304+Graphite	304+Graphite	304+Graphite		
9	Backseat bushing	ASTM A351 CF8	ASTM A351 CF8M	ASTM A182 F6a		
10	Bonnet	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB		
11	Packing	Graphite	Graphite	Graphite		
12	Eyebolt pin	304SS	316SS	ASTM A36		
13	Gland eyebolt	ASTM A193 B8	ASTM A193 B8M	ASTM A193 B7		
14	Gland	ASTM A182 F304	ASTM A182 F316	ASTM A182 F6a		
15	Gland flange	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB		
16	Hex nut	ASTM A194 8	ASTM A194 8M	ASTM A194 2H		
17	Stem nut	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2		
18	Hand wheel	Ductile iron	Ductile iron	Ductile iron		
19	Hand wheel nut	Carbon steel	Carbon steel	Carbon steel		

Note: The above chart only lists main parts of stainless steel globe valve. Other materials are available upon request.

API Globe Valve

Class150



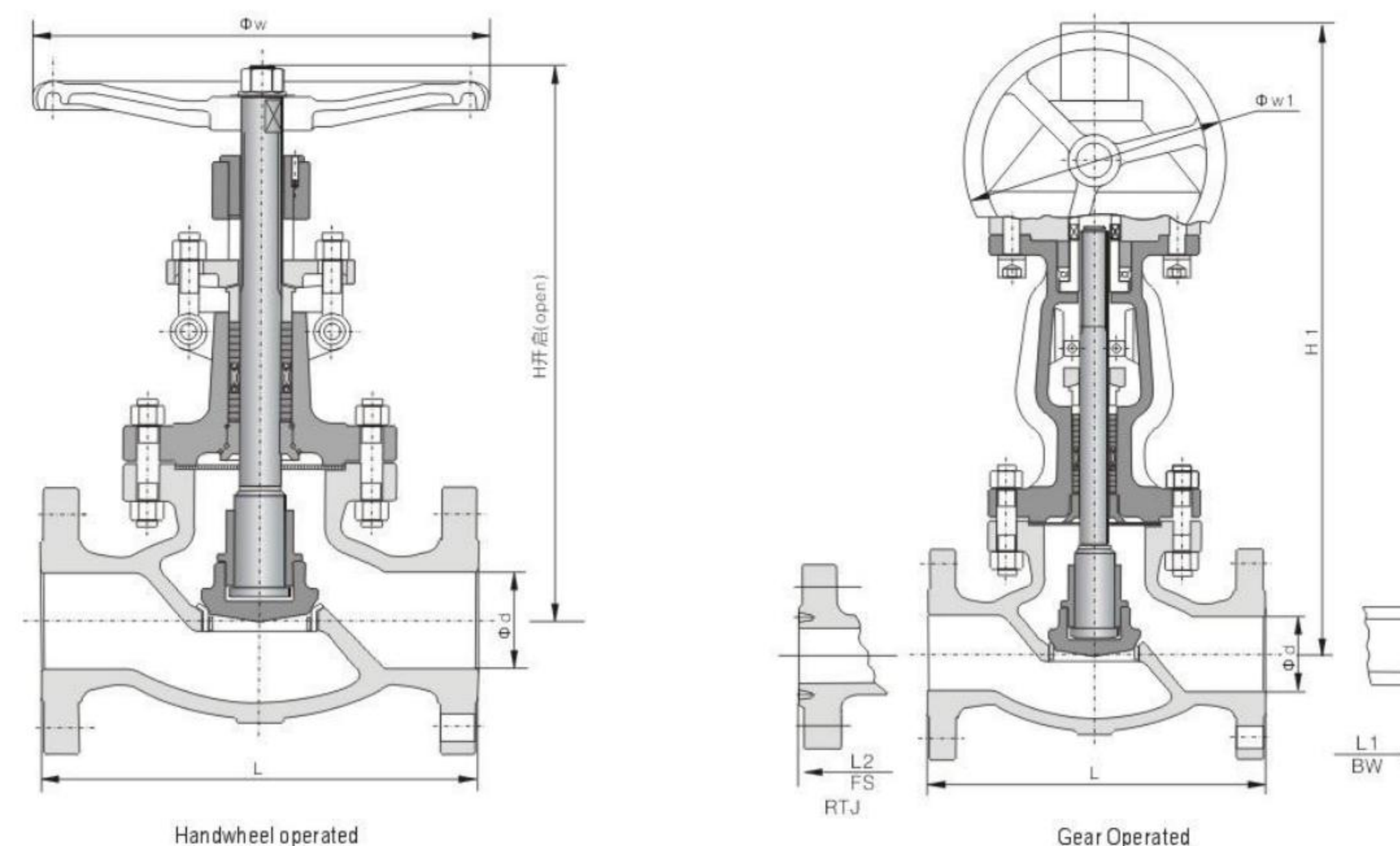
Standards
Design and Manufacture: BS 1873 and ASME B16.34
Inspection and Test: API 598.
End flange dimension: ASME B16.5
BW end dimension: ASME B16.25
Socket-weld dimension: ASME B16.11
Face to face: ASME B16.10

Class 150 Stainless Steel Globe Valve

Class	Size		Dimension(mm)								Weight (kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R.F	RTJ	BW							
150	1/2 "	15	108	119	108	13	192	-	100	-	4	-
	3/4 "	20	117	130	117	19	193	-	100	-	6	-
	1 "	25	127	140	127	25	217	-	100	-	8	-
	1 1/4 "	32	140	152	140	32	235	-	135	-	12	-
	1 1/2 "	40	165	178	165	38	258	-	135	-	16	-
	2 "	50	203	216	203	51	330	-	200	-	17.5	-
	2 1/2 "	65	216	229	216	64	360	-	250	-	29	-
	3 "	80	241	254	241	76	390	-	280	-	32	-
	4 "	100	292	305	292	102	445	-	300	-	51	-
	5 "	125	356	369	356	127	480	-	350	-	67	-
	6 "	150	406	419	406	152	520	556	350	310	92	258
	8 "	200	495	508	495	203	600	658	400	310	147	300
	10 "	250	622	635	622	254	773	805	450	460	250	450
	12 "	300	698	711	698	305	880	955	500	460	415	725

API Globe Valve

Class300

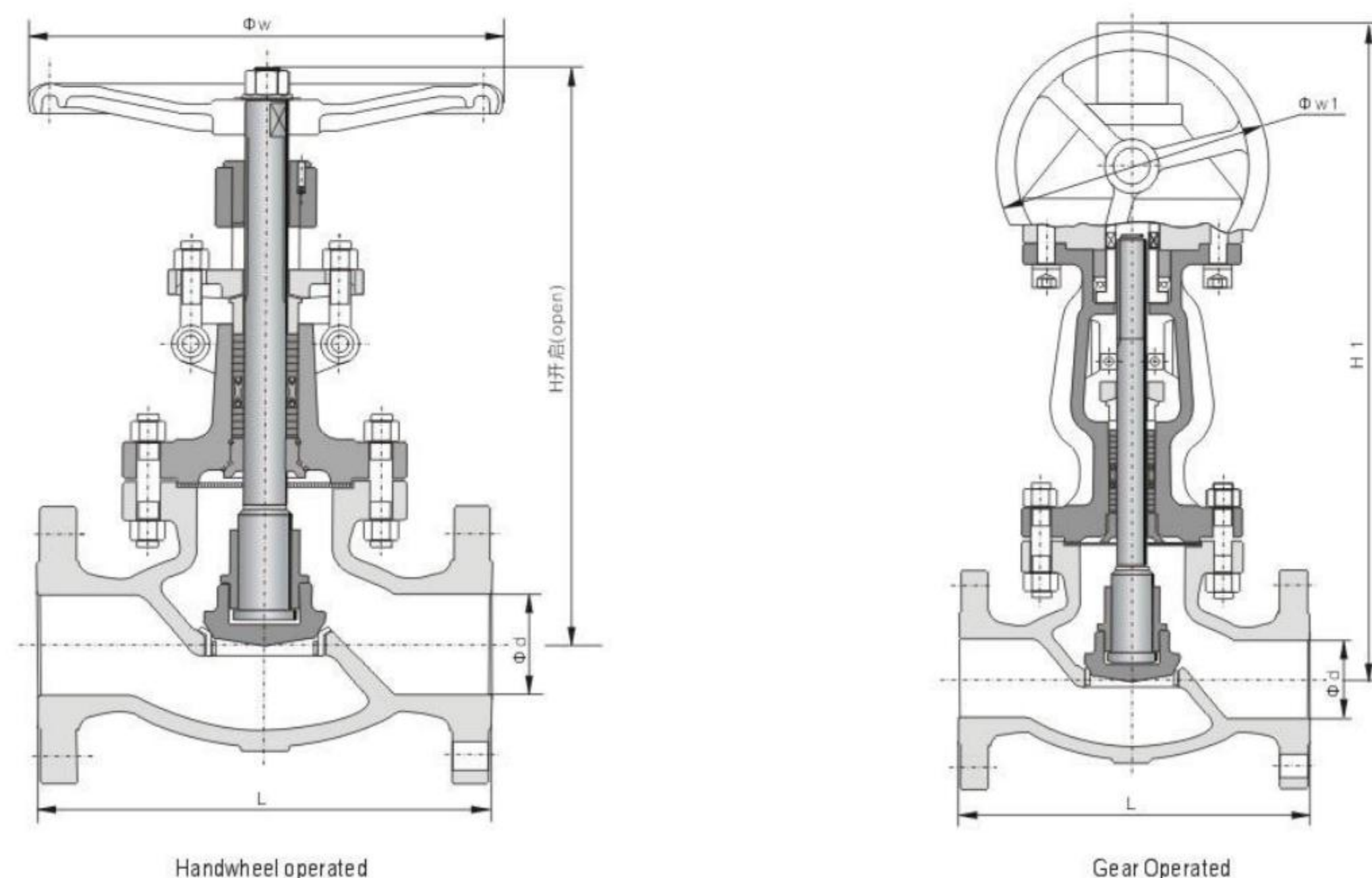


Class 300 Stainless Steel Globe Valve

Class	Size		Dimension(mm)								Weight (kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R.F	RTJ	BW							
300	1/2 "	15	152	164	152	14	185	-	100	-	5	-
	3/4 "	20	178	191	178	19	195	-	100	-	7	-
	1 "	25	203	216	203	25	220	-	135	-	10	-
	1 1/4 "	32	216	229	216	32	240	-	135	-	14	-
	1 1/2 "	40	229	241	229	38	260	-	160	-	19	-
	2 "	50	267	283	267	51	385	-	200	-	25	-
	2 1/2 "	65	292	308	292	64	420	-	200	-	42	-
	3 "	80	318	333	318	76	440	-	280	-	46	-
	4 "	100	356	371	356	102	515	-	350	-	74	-
	5 "	125	400	416	400	127	580	-	350	-	111	-
	6 "	150	444	460	444	152	660	690	400	310	165	195
	8 "	200	559	575	559	203	900	950	550	460	275	327
	10 "	250	622	638	622	254	950	990	600	460	400	452
	12 "	300	711	727	711	305	1030	1080	700	460	624	725

API Globe Valve

Class600、Class 900

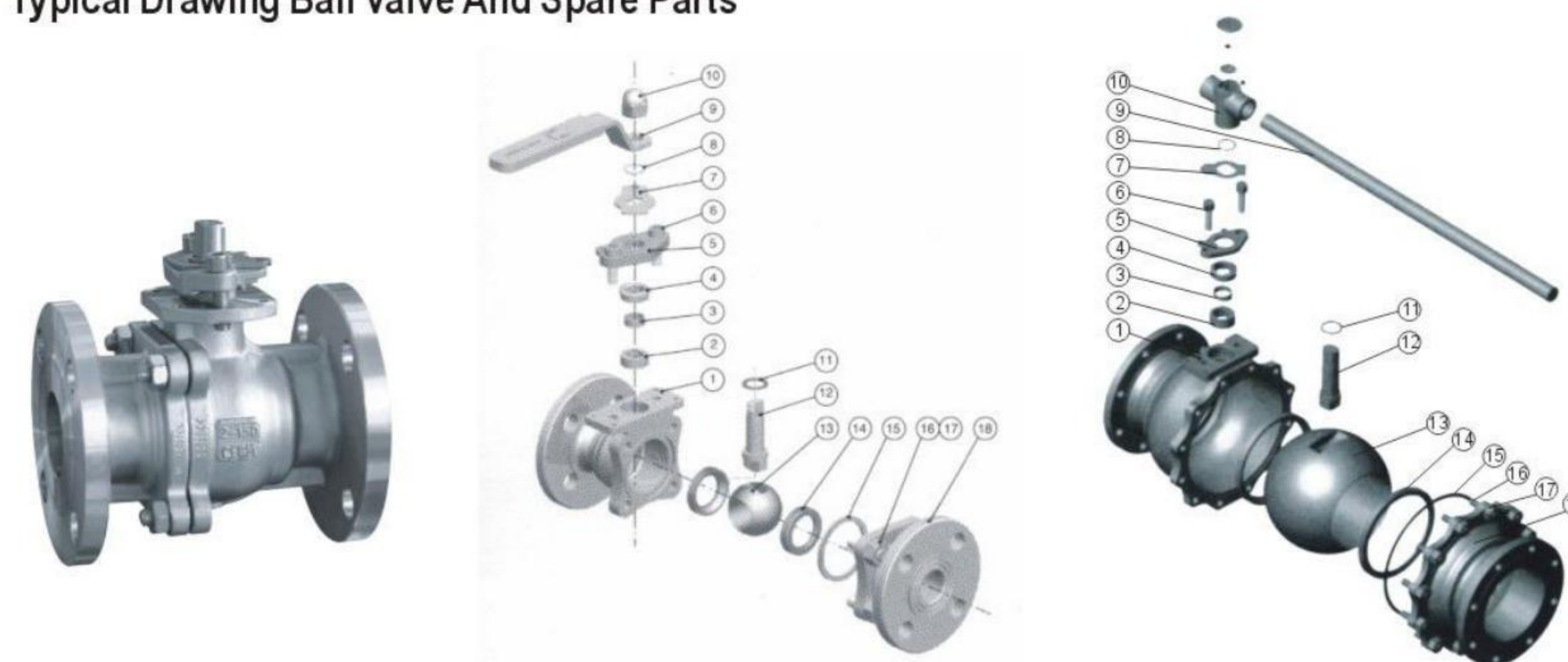


Class 600 & Class 900 Stainless Steel Globe Valve

Class	Size		Dimension(mm)								Weight (kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			R F	RTJ	BW							
600	2 "	50	292	295	292	51	360	-	250	-	32	-
	2 1/2 "	65	330	333	330	64	410	-	280	-	42	-
	3 "	80	356	359	356	76	465	-	300	-	63	-
	4 "	100	432	435	432	102	545	575	400	310	107	138
	5 "	125	508	511	508	127	625	660	500	310	185	215
	6 "	150	559	562	559	152	785	820	550	460	290	342
900	8 "	200	660	664	660	200	930	960	650	460	540	645
	2 "	50	368	371	368	51	480	-	350	-	55	-
	2 1/2 "	65	419	422	419	64	520	-	350	-	68	-
	3 "	80	381	384	381	76	564	630	400	310	95	128
	4 "	100	457	460	457	102	685	720	450	310	160	210
	5 "	125	559	562	559	127	780	840	550	460	270	325
	6 "	150	610	613	610	152	950	1015	650	460	410	480

API Floating Ball Valve

Typical Drawing Ball Valve And Spare Parts



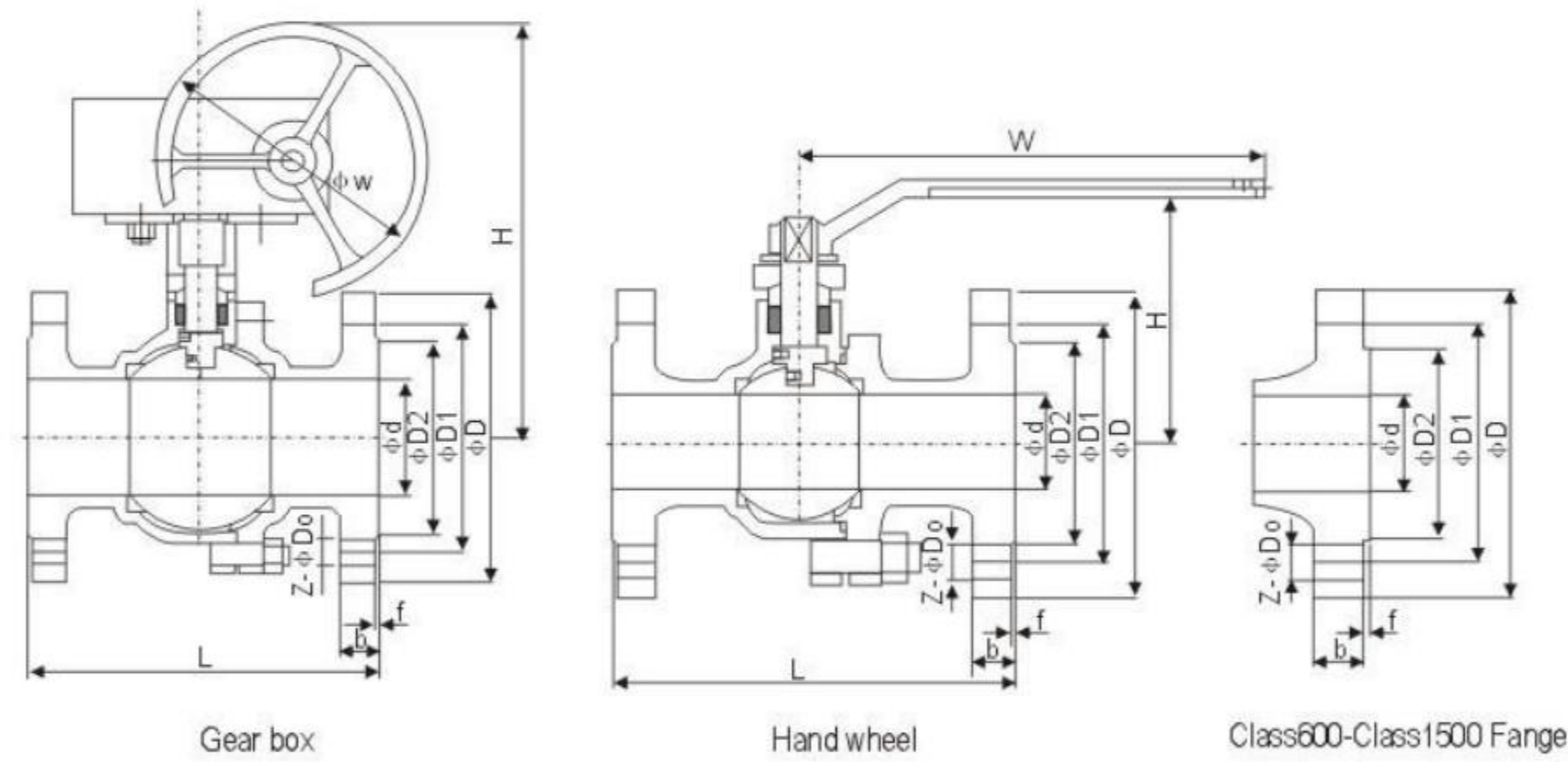
Main Parts and Materials

ITEM	Part name	Materials				
		CF8	CF8M	WCB/13Cr	WCB/304	WCB/316
1	Body	ASTM A351 CF8	ASTM A351 CF8M	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB
2	Packing	PTFE	PTFE	PTFE	PTFE	PTFE
3	Bushing	PTFE	PTFE	PTFE	PTFE	PTFE
4	Gland	ASTM A182 F304	ASTMA182 F316	ASTM A182 F6a	ASTM A182 F304	ASTMA182 F316
5	Gland flange	ASTMA351 CF8	ASTM A351 CF8M	ASTM A216 WCB	ASTMA216 WCB	ASTM A216 WCB
6	Screw	ASTM A193 B8	ASTM A193 B8M	ASTM A193 B7	ASTMA193 B7	ASTM A193 B7
7	Locating piece	Stainless steel	Stainless steel	Carbon steel	Carbon steel	Carbon steel
8	Circlip	Stainless steel	Stainless steel	Carbon steel	Carbon steel	Carbon steel
9	Lever	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel
10	Nut	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel
11	Thrust washer	PTFE	PTFE	PTFE	PTFE	PTFE
12	Stem	ASTM A182 F304	ASTMA182 F316	ASTM A182 F6a	ASTM A182 F304	ASTMA182 F316
13	Ball	ASTM A182 F304	ASTMA182 F316	ASTM A182 F6a	ASTM A182 F304	ASTMA182 F316
14	Sealing ring	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE
15	Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
16	Stud	ASTM A194 8	ASTMA194 8M	ASTM A194 2H	ASTMA194 2H	ASTM A194 2H
17	Nut	ASTM A193 B8	ASTM A193 B8M	ASTM A193 B7	ASTMA193 B7	ASTM A193 B7
18	Bonnet	ASTMA351 CF8	ASTM A351 CF8M	ASTM A216 WCB	ASTMA216 WCB	ASTM A216 WCB

Note: The above chart lists main parts of stainless steel of ball valve. Other materials are available upon request.

API Floating Ball Valve

Class150、Class300



Standards
Design and manufacture: API 6D and API 608
Inspection and Test: API 6D and API 598
RF flanged ends: ANSI B16.5
Butt-welding ends: ASME B 16.25
Face to face: API 6D and ANSI B16.10

Class 150~300 Stainless Steel Floating Ball Valve

Class	Size		Dimension(mm)														Weight (kg)	
	DN	NPS	L		d	D	D1	D2	B	F	Z-φd	W		H		Handle	W.G	
			R F	RTJ								Handle	W.G	Handle	W.G			
Class150	15	1/2 "	108	119	14	89	60.5	35	11.5	2.0	4-15	140	-	85	-	2.5	-	
	20	3/4 "	117	130	19	98	70	43	11.5	2.0	4-15	140	-	90	-	3	-	
	25	1 "	127	140	25	108	79.5	51	11.5	2.0	4-15	150	-	99	-	4	-	
	32	1 1/4 "	140	153	32	117	89	64	13	2.0	4-15	180	-	105	-	5.5	-	
	40	1 1/2 "	165	178	38	127	98.5	73	14.5	2.0	4-15	200	-	126	-	8	-	
	50	2 "	178	191	51	152	120.5	92	16	2.0	4-19	250	-	140	-	11	-	
	65	2 1/2 "	190	203	64	178	139.5	105	17.5	2.0	4-19	300	-	165	-	13	-	
	80	3 "	203	216	76	190	152.5	127	19.5	2.0	4-19	350	-	178	-	17	-	
	100	4 "	229	242	102	229	190.5	157	24	2.0	8-19	500	305	230	380	27	42	
	125	5 "	356	369	127	254	216	186	24	2.0	8-22	800	305	280	405	60	79	
	150	6 "	394	407	152	279	241.5	216	25.5	2.0	8-22	800	305	310	460	80	100	
200	8 "	457	470	203	343	298.5	270	29	2.0	8-22	1000	305	350	550	145	185		
250	10 "	533	546	254	406	362	324	31	2.0	12-25	-	400	-	706	-	280		
Class300	15	1/2 "	140	151	14	95	66.5	35	14.5	2.0	4-15	140	-	85	-	3	-	
	20	3/4 "	152	165	19	117	82.5	43	16	2.0	4-19	140	-	90	-	5	-	
	25	1 "	165	178	25	124	89	51	17.5	2.0	4-19	150	-	99	-	6	-	
	32	1 1/4 "	178	191	32	133	98.5	61	19.5	2.0	4-19	180	-	105	-	8	-	
	40	1 1/2 "	190	203	38	156	114.5	73	21	2.0	4-22	200	-	126	-	11	-	
	50	2 "	216	232	51	165	127	92	22.5	2.0	8-19	250	-	142	-	16	-	
	65	2 1/2 "	241	257	64	190	149	105	25.5	2.0	8-22	300	-	165	-	24	-	
	80	3 "	283	299	76	210	168.5	127	29	2.0	8-22	350	-	178	330	34	52	
	100	4 "	305	321	102	254	200	157	32	2.0	8-22	500	305	230	380	56	76	
	125	5 "	381	397	127	279	235	186	35	2.0	8-22	800	305	280	420	86	124	
	150	6 "	403	419	152	318	270	216	37	2.0	12-22	800	305	310	480	125	163	
200	8 "	502	518	203	381	330	270	41.5	2.0	12-25	1000	305	350	560	222	267		

API Floating Ball Valve

Class600、Class 900、Class1500

Class600~1500 Stainless steel Floating Ball Valve

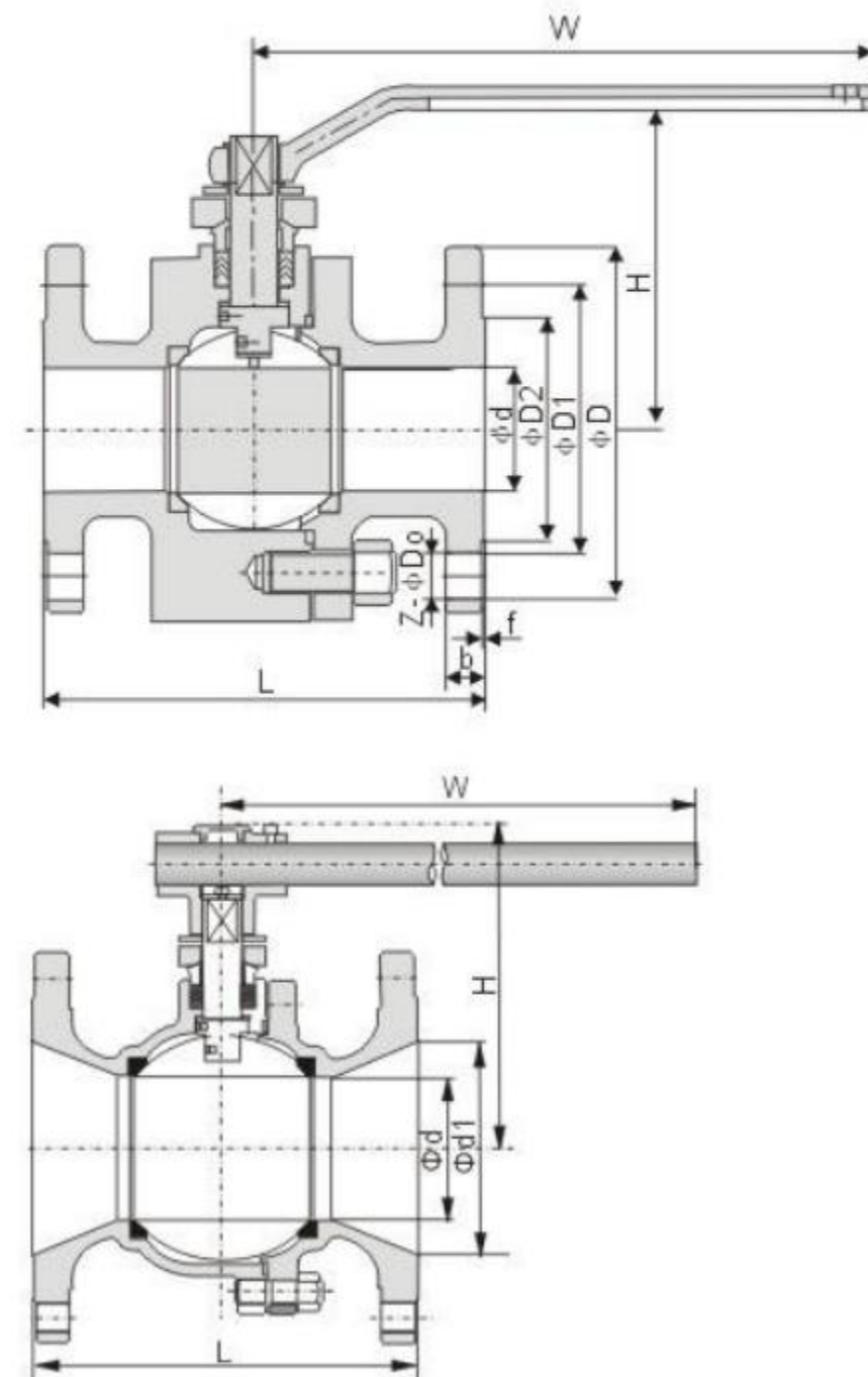
Class	Size		Dimension(mm)												Weight (kg)		
	DN	NPS	L		d	D	D1	D2 W.G	b	f	Z-φ d	W		H			
			R F	RJ								Handle	W.G	Handle	W.G		
Class600	15	1/2 "	165	164	14	95	66.5	35	14.5	7.0	4-15	140	-	79	-	5	-
	20	3/4 "	190	190	19	118	82.5	43	16	7.0	4-19	140	-	83	-	7	-
	25	1 "	216	216	25	124	89	51	17.5	7.0	4-19	200	-	114	-	9	-
	32	1 1/4 "	229	229	32	133	98.5	64	21	7.0	4-19	200	-	120	-	13	-
	40	1 1/2 "	241	241	38	156	114.5	73	22.5	7.0	4-22	250	-	125	-	17	-
	50	2 "	292	295	51	165	127	92	25.5	7.0	8-19	300	-	156	-	25	-
	65	2 1/2 "	330	333	64	190	149	105	29	7.0	8-22	350	-	172	-	42	-
	80	3 "	356	359	76	210	168	127	32	7.0	8-22	500	305	220	370	56	76
	100	4 "	432	435	102	273	216	157	38.5	7.0	8-25	650	305	250	400	85	123
Class900	15	1/2 "	216	216	14	121	82.5	35	22.5	7.0	4-23	150	-	98	-	9	-
	20	3/4 "	229	229	20	130	88.9	43	25.5	7.0	4-23	150	-	105	-	13	-
	25	1 "	254	254	25	149	101.6	51	29	7.0	4-26	200	-	110	-	16	-
	32	1 1/4 "	279	279	32	159	111.1	64	29	7.0	4-26	250	-	120	-	24	-
	40	1 1/2 "	305	305	38	178	123.8	73	32	7.0	4-29	250	-	125	-	31	-
	50	2 "	368	371	50	216	165.1	92	38.5	7.0	8-26	350	-	160	-	45	-
Class1500	15	1/2 "	216	216	14	121	82.5	35	22.5	7.0	4-23	182	-	98	-	10	-
	20	3/4 "	229	229	20	130	88.9	43	25.5	7.0	4-23	200	-	105	-	14	-
	25	1 "	254	254	25	149	101.6	51	29	7.0	4-26	250	-	110	-	17	-
	32	1 1/4 "	279	279	32	159	111.1	64	29	7.0	4-26	300	-	120	-	25	-
	40	1 1/2 "	305	305	38	178	123.8	73	32	7.0	4-29	350	-	130	-	33	-
	50	2 "	368	371	50	216	165.1	92	38.5	7.0	8-26	500	-	160	-	48	-

API Floating Ball Valve

Class150、Class300、Class600

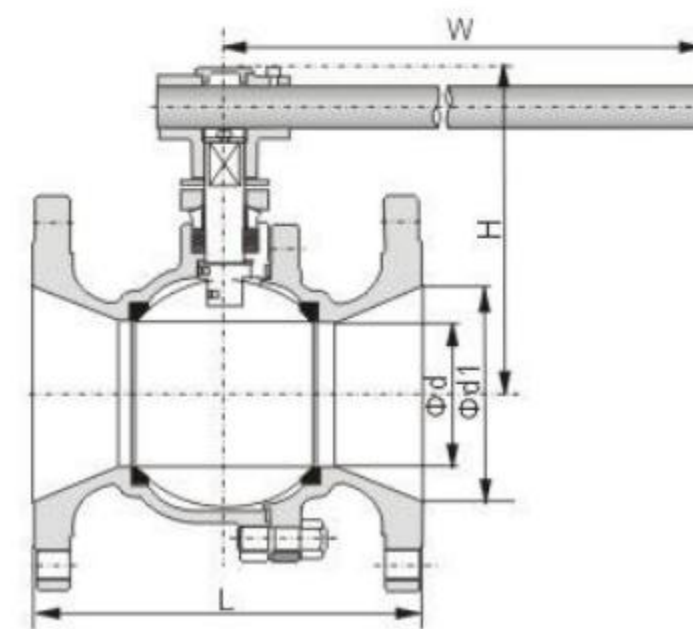
Class 150~600 Forged Steel Ball Valve

The floating ball valve general use of cast steel body, we can also use forged steel upon customer's requirements. The flange size and face to face dimension of forged steel floating ball valve is the same as the cast steel floating ball valve.



Ball Valve With Reduced Bore

In addition to the full bore floating ball valve, our company also produce the floating ball valve with reduced bore to satisfy customer's different requirements, which not only reduce the costs, but also meets the customer's special requirements.



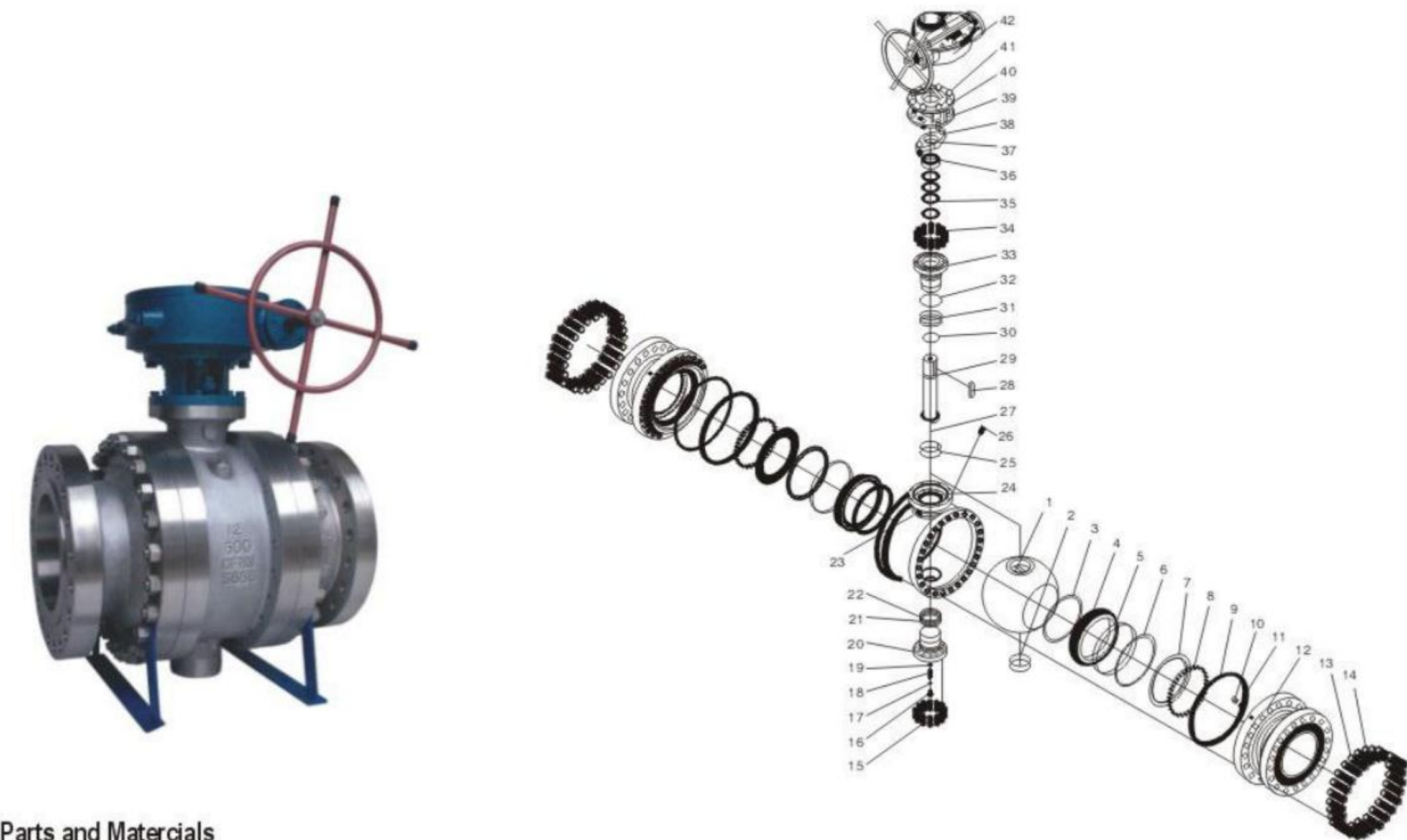
API Class 150~600 Stainless Steel Floating Ball Valve

Size		Class150(PN20)						Class300(PN50)						Class600(PN100)					
DN	NPS	L		d	d1	H	W	L		d	d1	H	W	L	d	d1	H	W	
		Long	Short					Long	Short										
15	1/2 "	108		10	14	80	140	140		10	14	80	140	165	10	14	75	140	
20	3/4 "	117		14	19	85	140	152		14	19	85	140	190	14	19	79	140	
25	1 "	127		20	25	90	140	165		20	25	90	140	216	20	25	83	140	
32	1 1/4 "	140		25	32	99	150	178		25	32	99	150	229	25	32	114	150	
40	1 1/2 "	165		32	38	105	180	190		32	38	105	180	241	32	38	120	200	
50	2 "	178		38	51	126	200	216		38	51	126	200	292	38	51	125	250	
65	2 1/2 "	191		51	64	140	250	241		51	64	140	250	330	51	64	156	300	
80	3 "	203		64	76	165	300	283		64	76	165	300	356	64	76	172	350	
100	4 "	229		76	102	178	350	305		76	102	178	350	432	76	102	220	500	
125	5 "	356		102	127	230	500	381		102	127	230	500	508	102	127	250	650	
150	6 "	394	267	127	152	280	800	403		127	152	280	800	-	-	-	-	-	
200	8 "	457	292	152	203	310	800	502	419	152	203	310	800	-	-	-	-	-	
250	10 "	533	330	203	254	350	1000	588	457	203	254	350	1000	-	-	-	-	-	

Note: 1. Sizes of flange connection of the ball valve with reduced bore are the same as that of full bore ball valves.

2. There are two series of face to face dimensions of the reduce bore ball valve, in the long series and the short series, for some of ball valves with reduced bore.

API Cast Steel Trunnion Mounted Ball Valve

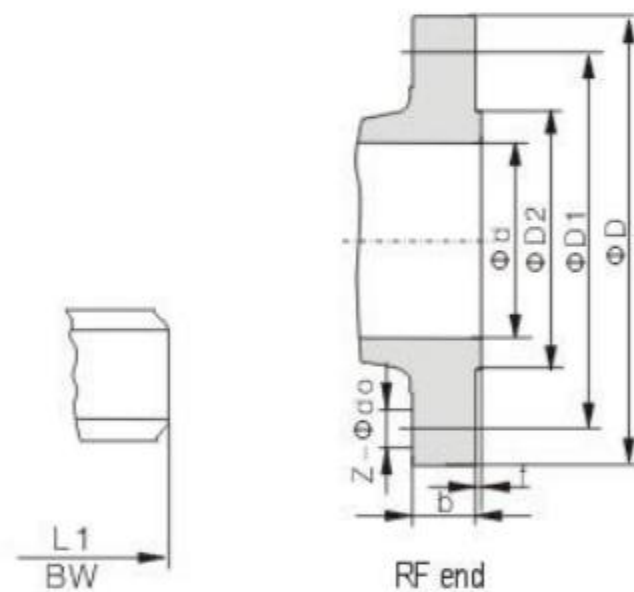
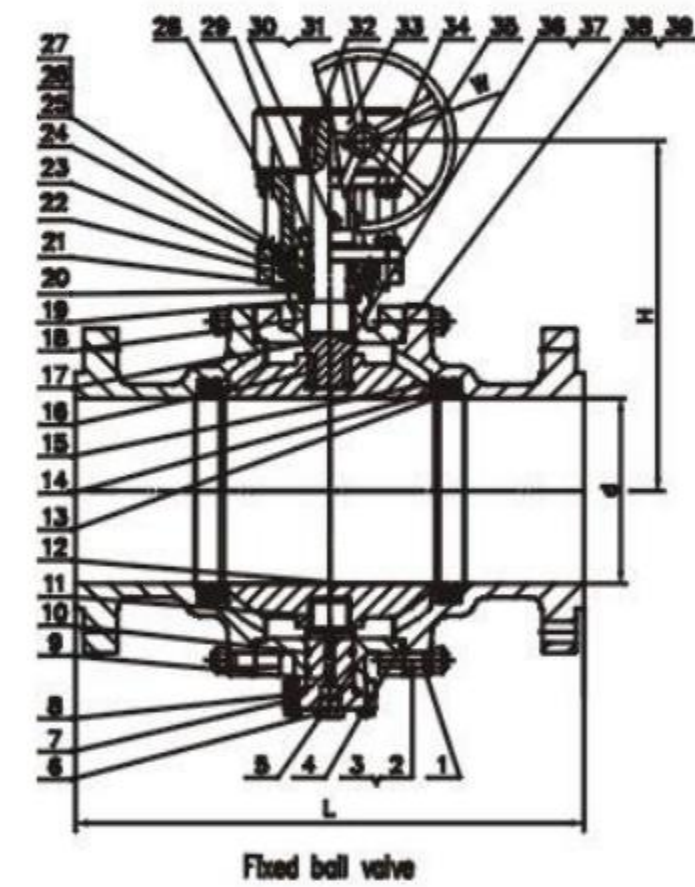


Main Parts and Materials

Number	Parts Name	Carbon steel Series	Stainless steel Series	Low Temperature	Anti-Sulphur	
					GB Standard	NACE Standard
1	Ball	A105+HCr/ENP	A351 CF8, CF8M, CF3, CF3M	A352 LCB, LCC+ENP	A105+HCr/ENP	A351 CF8M+ENP
2	Bush Bearing	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre
3	Sealing Ring	NYLON, MOLON, DELRIN, PEEK	NYLON, MOLON, DELRIN, PEEK	NYLON, MOLON, DELRIN, PEEK	NYLON, MOLON, DELRIN, PEEK	NYLON, MOLON, DELRIN, PEEK
4	Seat	A105+HCr/ENP	A182 F304, 316	A182 F6A	A105+HCr/ENP	A182 F316
5	O Ring	VITON	VITON	VITON	VITON	VITON
6	Fire Safe Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS
7	Supporting Ring	A105+HCr/ENP	A182 F304, 316	A182 F6A	A105+HCr/ENP	A182 F316
8	Spring	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750
9	O Ring	VITON	VITON	VITON	VITON	VITON
10	Sealant Injection Valve	The same material with Body	The same material with Body	The same material with Body	The same material with Body	The same material with Body
11	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS
12	Bonnet	A216 WCB	A351 CF8, CF8M, CF3, CF3M	A352 LCB, LCC	A216 WCB	A351 CF8M
13	Stud	A193 B7	A193 B8, B8M	A320 L7	A193 B7M	A193 B7M
14	Nut	A194 2H	A194 8M	A194 4	A194 2HM	A194 2HM
15	Nipple	A193 B7	A193 B8, B8M	A320 L7	A193 B7M	A193 B7M
16	Plug	A29 1025	SS	SS	A29 1025	SS
17	Gasket	Gasket	RPTFE	RPTFE	Pure Copper	RPTFE
18	Nipple	A193 B7	A193 B8, B8M	A320 L7	A193 B7M	A193 B7M
19	Ball	A105+HCr/ENP	A105+HCr/ENP	A105+HCr/ENP	A105+HCr/ENP	A105+HCr/ENP
20	Bottom cover	A105+HCr/ENP	A182 F304, 316	A29 4140+ENP	A105+A182 F316, HC/ENP	A105+A182 F316, HC/ENP
21	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS
22	O Ring	VITON	VITON	VITON	VITON	VITON
23	Sealant Injection Valve	The same material with Body	The same material with Body	The same material with Body	The same material with Body	The same material with Body
24	Body	A216 WCB	A351 CF8, CF8M, CF3, CF3M	A352 LCB, LCC	GB/T1229, A216 WCB	A351 CF8M
25	Bush Bearing	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre
26	Drainage Valves	The same material with body	The same material with body	The same material with body	The same material with body	The same material with body
27	Spring	A276 307	A276 307	A276 307	A276 307	A276 307
28	Key	GB/T699 45	GB/T699 45	GB/T699 45	GB/T699 45	GB/T699 45
29	Stem	A29 4140+ENP	A193 B8, B8M	A276 304	A182 F304	A182 F304
30	Thrust bearing	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre	Metal+PTFE, Braided Graphite Fibre
31	O Ring	VITON	VITON	VITON	VITON	VITON
32	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS
33	Cover	A105+HCr/ENP	A182 F304, 316	A182 F6A	A105+HCr/ENP	A182 F316
34	Screw	A193 B7	A351 B8, B8M	A320 L7	A193 B7M	A193 B7M
35	Packing	PTFE Soft Graphite, PTFE	PTFE Soft Graphite, PTFE	PTFE Soft Graphite, PTFE	PTFE Soft Graphite, PTFE	PTFE Soft Graphite, PTFE
36	Packing Gland	A182 F6a	A182 F304, 316	A182 F6	A182 F316	A182 F316
37	Gland Flange	A216 WCB	A351 CF8, CF8M	A351 CF8	A216 WCB	A351 CF8M
38	Bolt	A193 B7	A193 B8, B8M	A320 L7	A193 B7M	A193 B7M
39	Bolt	A193 B7	A193 B8, B8M	A320 L7	A320 L7	A193 B7M
40	Yoke	A216 WCB	A351 CF8	A352 LCB	A216 WCB	A351 CF8
41	Bolt	A193 B7	A193 B8, B8M	A320 L7	A193 B7M	A193 B7M
42	Operation Type	Worm Gear, Electric Operation, Pneumatic Operation, Hydraulic Operation				

API Cast steel Trunnion Mounted Ball Valve

Class150、Class300



Standards

Design and manufacture: API 6D and API 608
Inspection and Test: API 6D and API 598
RF flanged ends: ANSI B 16.5
Butt-welding ends: ASME B 16.25
Face to face: API 6D and ANSI B16.10

Class 150~300 Trunnion type Stainless Steel Ball Valve

Class	Size		Dimension(mm)												Weight (kg)
	DN	NPS	L		d	D	D1	D2	b	f	Z- φ d0	H	H1	W	
			R F	BW											
Class150	100	4 "	229	305	102	229	190.5	157	24	2.0	8-19	330	135	300	60
	125	5 "	356	381	127	254	216	186	24	2.0	8-22	360	165	300	80
	150	6 "	394	457	152	279	241.5	216	25.5	2.0	8-22	392	193	300	101
	200	8 "	457	521	203	343	298.5	270	29	2.0	8-22	492	240	300	166
	250	10 "	533	559	254	406	362	324	31	2.0	12-25	548	293	300	283
	300	12 "	610	635	305	483	432	381	32	2.0	12-25	688	340	400	463
	350	14 "	686	762	337	533	476	413	35	2.0	12-29	722	372	400	622
	400	16 "	762	838	387	597	540	470	37	2.0	16-29	722	415	400	900
	450	18 "	864	914	438	635	578	533	40	2.0	16-32	804	462	500	1150
	500	20 "	914	991	489	699	635	584	43	2.0	20-32	952	511	600	1360
	600	24 "	1067	1143	591	813	749.5	692	48	2.0	20-35	1154	601	750	2514
	650	26 "	1143	1245	633	786	744.5	711	40	2.0	36-22	1300	700	750	3200
	700	28 "	1245	1346	684	837	795.5	762	43	2.0	40-22	1550	780	750	4000
	750	30 "	1295	1397	735	887	846	813	43	2.0	44-22	1650	830	750	4800
	800	32 "	1372	1524	779	941	900	864	44	2.0	48-22	1740	870	750	5800
900	36 "	1524	1727	874	1057	1009.5	972	51	2.0	44-26	1950	970	750	8000	
Class300	100	4 "	305	305	102	254	200	157	32	2.0	8-22	340	140	300	70
	125	5 "	381	381	127	279	238	186	35	2.0	8-22	370	170	300	95
	150	6 "	403	457	152	318	270	216	37	2.0	12-22	402	192	300	128
	200	8 "	502	521	203	381	330	270	41.5	2.0	12-25	498	246	300	234
	250	10 "	568	559	254	445	387.5	324	48	2.0	16-29	655	303	400	403
	300	12 "	648	635	305	521	451	381	51	2.0	16-32	658	348	400	602
	350	14 "	762	762	337	584	514.5	413	54	2.0	20-32	686	378	400	803
	400	16 "	838	838	387	648	571.5	470	58	2.0	20-35	880	429	600	1273
	450	18 "	914	914	438	711	628.5	533	61	2.0	24-35	1050	518	750	1450
	500	20 "	991	991	489	775	686	584	64	2.0	24-35	1110	540	750	1700
	600	24 "	1143	1143	591	914	813	692	70	2.0	24-41	1400	650	750	3100
	650	26 "	1245	1245	633	867	803.5	737	87	2.0	32-35.5	1500	750	750	4500
	700	28 "	1346	1346	684	921	857	787	87	2.0	36-35.5	1600	800	750	6000
	750	30 "	1397	1397	735	991	921	845	92	2.0	36-39	1720	860	750	7500
	800	32 "	1524	1524	779	1054	978	902	102	2.0	32-42	1800	900	750	9000
900	36 "	1727	1727	874	1172	1089	1010	102	2.0	32-45	2200	1020	600	12000	

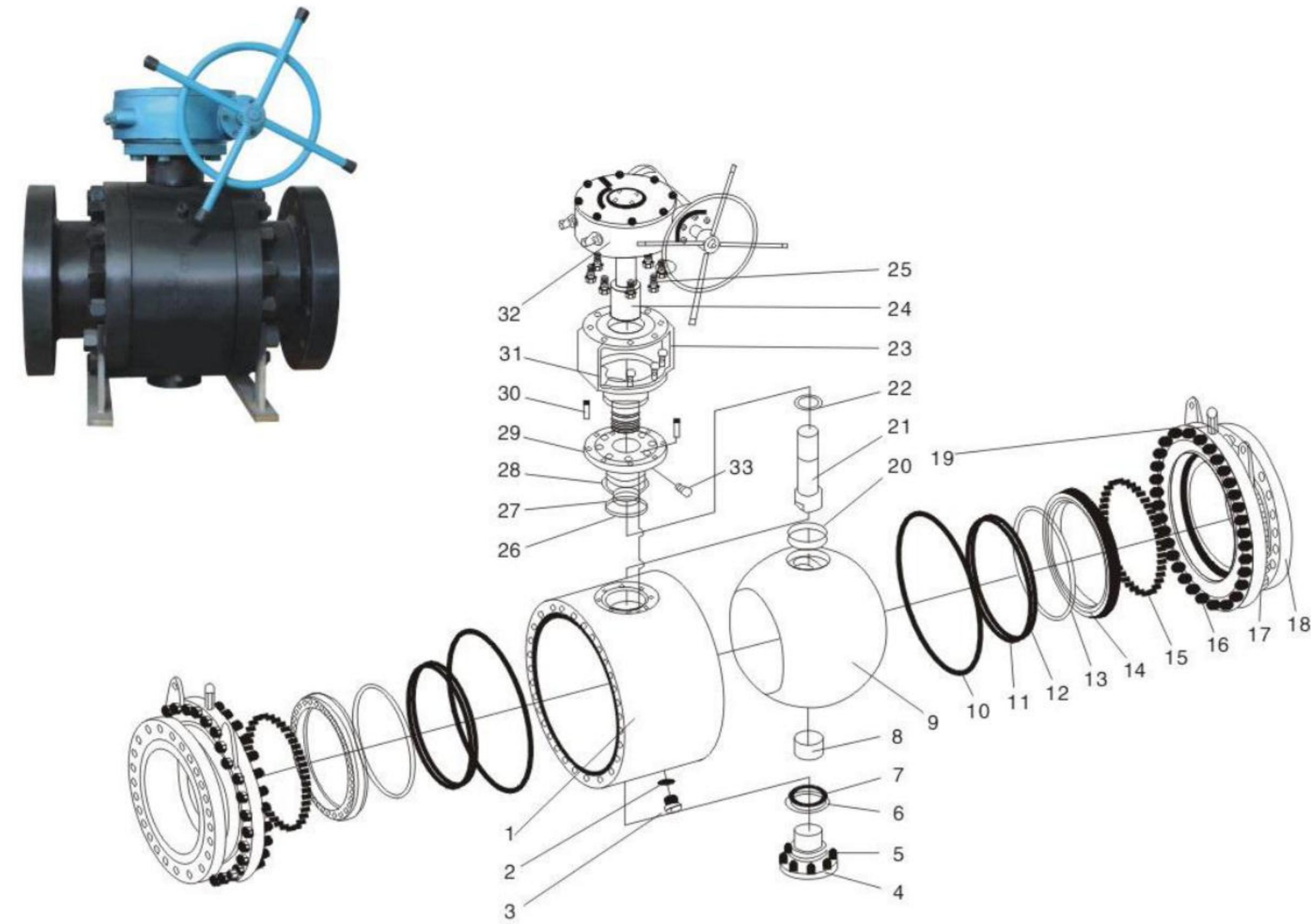
API Cast steel Trunnion Mounted Ball Valve

Class600、Class 900、Class1500、Class2500

Class 600~2500 Trunnion type Stainless Steel Ball Valve

Pressure	Size		Dimensions(mm)													Weight (kg)
	DN	NPS	L			d	D	D1	D2	b	f	Z- φ d0	H	H1	W	
			R F	RTJ	BW											
Class600	50	2 "	292	295	292	51	165	127	92	26	7.0	8-19	240	94	300	32
	65	2 1/2 "	330	333	330	64	190	149	105	29	7.0	8-22	290	115	300	47
	80	3 "	356	359	356	76	210	168	127	32	7.0	8-22	340	136	300	68
	100	4 "	432	435	432	102	273	216	157	38	7.0	8-25	358	152	300	106
	125	5 "	508	511	508	127	330	266.5	186	45	7.0	8-29	400	180	300	170
	150	6 "	559	562	559	152	356	292	216	48	7.0	12-29	445	209	400	241
	200	8 "	660	664	660	203	419	349	270	56	7.0	12-32	498	263	400	444
	250	10 "	787	791	787	254	508	432	324	64	7.0	16-35	653	312	400	668
	300	12 "	838	841	838	305	559	489	381	67	7.0	20-35	665	354	500	1050
	350	14 "	889	892	889	334	603	527	413	70	7.0	20-38	738	389	600	1317
	400	16 "	991	994	991	385	686	603	470	77	7.0	20-41	920	440	750	1800
	450	18 "	1092	1095	1092	436	743	654	533	83	7.0	20-44	1100	530	750	2400
Class900	500	20 "	1194	1200	1194	487	813	724	584	89	7.0	24-44	1200	560	750	3000
	600	24 "	1397	1407	1397	538	940	838	692	102	7.0	24-52	1480	670	750	5400
	50	2 "	368	371	368	51	216	165.1	92	38.5	7.0	8-26	250	98	300	45
	65	2 1/2 "	419	422	419	64	244	190.5	105	41.5	7.0	8-29	300	120	300	55
	80	3 "	381	384	381	76	241	190.5	127	38.5	7.0	8-26	345	140	300	94
	100	4 "	457	460	457	102	292	234.9	157	44.5	7.0	8-32	415	162	300	141
	125	5 "	559	562	559	127	349	279.4	186	51	7.0	8-35	446	188	300	230
	150	6 "	610	613	610	152	381	317.5	216	56	7.0	12-32	477	213	400	325
	200	8 "	737	740	737	203	470	393.7	270	63.5	7.0	12-39	520	270	400	580
	250	10 "	838	841	838	254	545	469.9	324	70	7.0	16-39	628	322	400	850
	300	12 "	965	968	965	305	610	533.4	381	79.5	7.0	20-39	680	360	500	1330
	350	14 "	1029	1038	1029	322	640	558.8	413	86	7.0	20-42	750	400	600	1660
Class1500	400	16 "	1130	1140	1130	373	705	615.9	470	89	7.0	20-45	940	460	750	2280
	40	1 1/2 "	305	305	305	38	178	123.8	73	32	7.0	4-29	280	100	300	44
	50	2 "	368	371	368	51	216	165.1	92	38.5	7.0	8-26	320	113	300	67
	65	2 1/2 "	419	422	419	64	244	190.5	105	41.5	7.0	8-29	340	125	300	80
	80	3 "	470	473	470	76	267	203.2	127	48	7.0	8-32	385	138	300	130
	100	4 "	546	549	546	102	331	241.3	157	54	7.0	8-35	415	171	300	192
	125	5 "	673	676	673	125	375	292.1	186	73.5	7.0	8-42	480	200	400	335
	150	6 "	705	711	705	144	394	317.5	216	83	7.0	12-39	580	222	400	475
	200	8 "	832	841	832	192	483	393.7	270	92	7.0	12-45	584	280	400	820
	250	10 "	991	1000	991	239	585	482.6	324	108	7.0	12-51	650	340	500	1320
	350	12 "	1130	1146	1130	287	675	571.5	381	124	7.0	16-54	700	370	600	2050
	40	1 1/2 "	384	387	384	38	203	146	73	44.5	7.0	4-32	290	105	300	72
Class2500	50	2 "	451	454	451	42	235	171.4	92	51	7.0	8-29	320	120	300	104
	65	2 1/2 "	508	514	508	52	267	196.8	105	57.5	7.0	8-32	350	130	300	140
	80	3 "	578	584	578	62	305	228.6	127	67	7.0	8-35	400	150	300	202
	100	4 "	673	683	673	87	356	273	157	76.5	7.0	8-42	425	180	400	305
	125	5 "	794	807	794	100	419	323.8	186	92.5	7.0	8-48	500	210	400	530
	150	6 "	914	927	914	131	483	368.3	216	108	7.0	8-54	590	230	500	760
	200	8 "	1022	1038	1022	179	550	438.1	270	127	7.0	12-54	610	290	500	1200
	250	10 "	1270	1292	1270	223	375	539.7	324	165.5	7.0	12-67	660	350	600	2080

API Forged Steel Trunnion Mounted Ball Valve



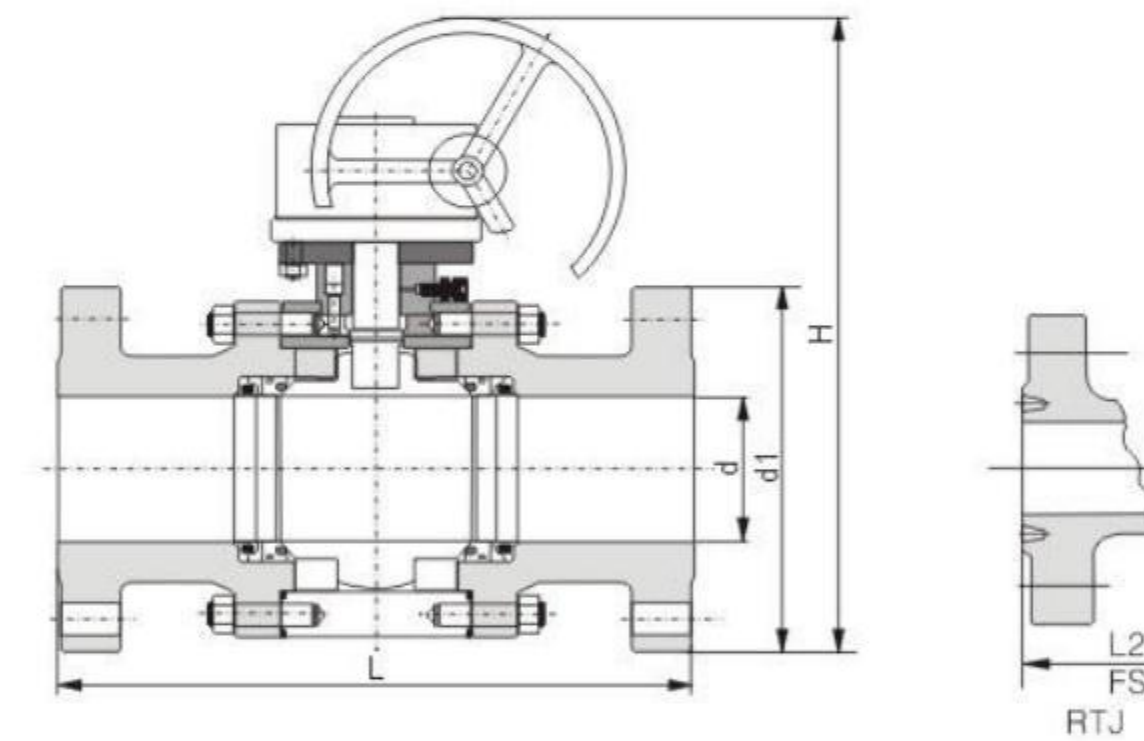
Main Parts and Materials

ITEM	Parts name	Carbon Steel	Cr-Mo Steel	Carbon Steel	ITEM	Parts name	Carbon Steel	Cr-Mo Steel	Carbon Steel
1	Body	ASTM A105	A182 F304	A350 LF2	18	Bonnet	ASTM A105	A182 F304	A350 LF2
2	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	19	Sealant Injection Valve	A29 1025	SS	SS
3	Drain valve	A29 1025	A182 F304	SS	20	Top Bush Bearing	PTFE+CS	PTFE+SS	PTFE+SS
4	Bottom Cover	ASTM A105	A182 F304	A350 LF2	21	Stem	A182 F6a	A182 F304	A182 F304
5	Stud	A193 B7	A193 B8	A320 L7	22	Flat Bush Bearing	PTFE+CS	PTFE+SS	PTFE+SS
6	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	23	Yoke	A216 WCB	A216 WCB	A216 WCB
7	O Ring	VITON	VITON	VITON	24	Connecting Ring	ANSI 1025	ANSI 1025	ANSI 1025
8	Bottom Bush Bearing	PTFE+CS	PTFE+SS	PTFE+SS	25	Stud	A193 B7	A193 B7	A193 B7
9	Ball	ASTM A105+ENP	A182 F304	A182 F304	26	O Ring	VITON	VITON	VITON
10	Middle Flange Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	27	O Ring	VITON	VITON	VITON
11	O Ring	VITON	VITON	VITON	28	Gasket	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS
12	Fire Safe Ring	Soft Graphite+SS	Soft Graphite+SS	Soft Graphite+SS	29	Cover	ASTM A105	A182 F304	A350 LF2
13	Sealing Ring	PTFE, NYLON, PEEK, MOLON, PCTFE			30	Locating Pin	A182 F6a	A182 F6a	A182 F6a
14	Seat	ASTM A105+ENP	A182 F304	A182 F304	31	Stud	A193 B7	A193 B7	A193 B7
15	Spring	INCONEL X-750	INCONEL X-750	INCONEL X-750	32	Worm Gear	-	-	-
16	Stud	A193 B7	A193 B8	A320 L7	33	Sealant Injection Valve	A29 1025	SS	SS
17	Nut	A194 2H	A194 8	A194 7					

API Forged Steel Trunnion Mounted Ball Valve

Class150、Class300、Class600、Class 900、Class1500、Class2500

The trunnion ball valve general use of cast steel body, we can also use forged steel upon customer's requirements. The flange size and face to face dimension of forged steel trunnion ball valve is the same as the cast steel trunnion ball valve.



Standards

Design and manufacture: API 6D, API 608
 Inspection & test: API 6D, API 598
 Flanged end dimensions: ASME B 16.5, MSS SP-44
 Butt welding ends: ASME B 16.25
 Face to face: ASME B 16.10

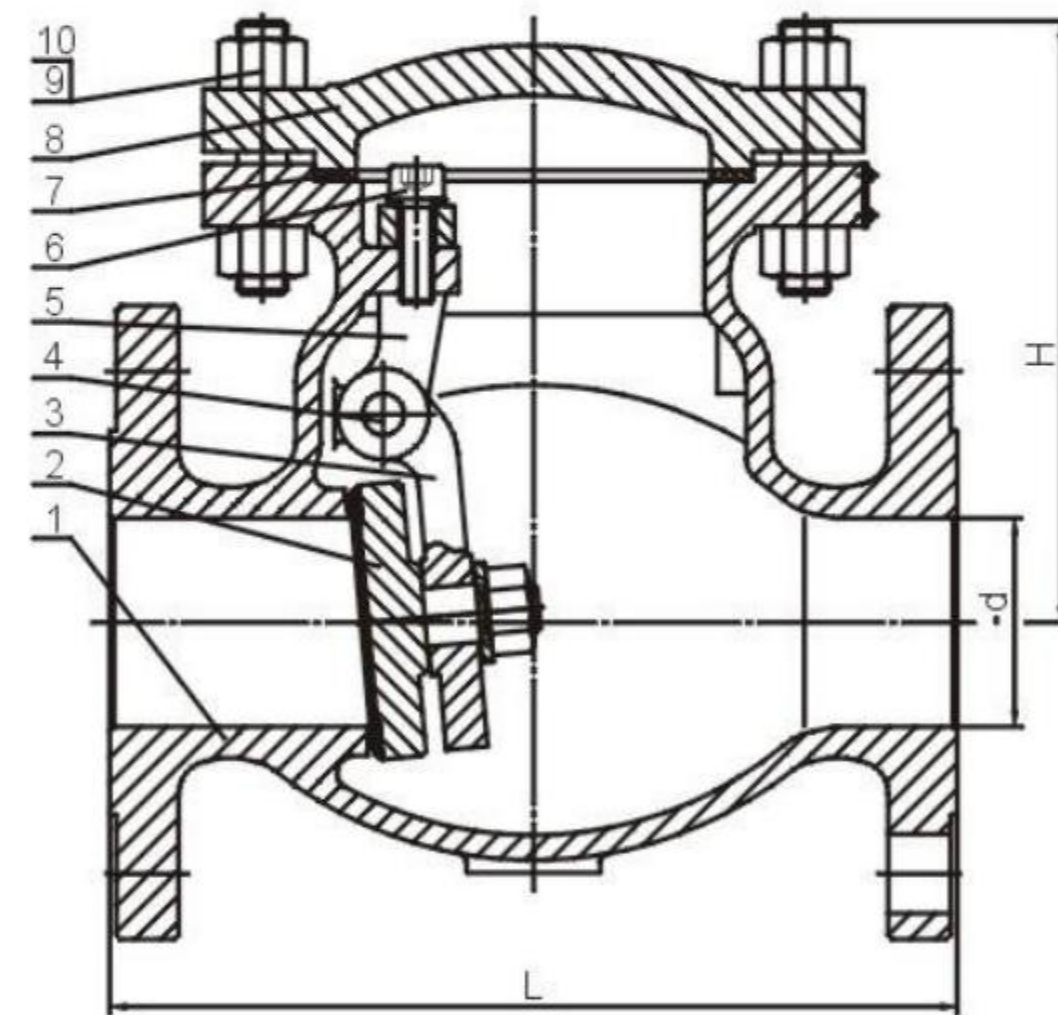
Class 150~2500 Forged Steel Trunnion Ball Valve

Size		Class												
		Class150				Class300				Class600				
		Dimension(mm)												
DN	NPS	L	d	d1	H	L	d	d1	H	L		d	d1	H
										R F	RJ			
125	5 "	356	102	127	330	381	102	127	340	508	511	102	127	358
150	6 "	394	102	152	330	403	102	152	340	559	562	102	152	358
200	8 "	457	152	203	392	502	152	203	402	660	664	152	203	445
250	10 "	533	203	254	492	568	203	254	498	787	791	203	254	498
300	12 "	610	254	305	548	648	254	305	655	838	841	254	305	653
350	14 "	686	305	305	688	762	305	337	658	889	892	305	337	665
400	16 "	762	305	337	688	838	305	387	658	991	994	305	387	665
450	18 "	864	337	387	722	914	337	438	686	1092	1095	337	438	738
500	20 "	914	387	489	750	991	387	489	880	1194	1200	387	489	920
600	24 "	1067	489	591	952	1143	489	591	1110	1397	1407	489	591	1200
650	26 "	1143	538	633	1050	1245	538	633	1250	-	-	-	-	-
700	28 "	1245	591	684	1154	1346	591	684	1400	-	-	-	-	-
750	30 "	1295	633	735	1300	1397	633	735	1500	-	-	-	-	-
800	32 "	1372	684	779	1550	1524	684	779	1600	-	-	-	-	-
900	36 "	1524	779	874	1740	1727	779	874	1800	-	-	-	-	-

Size		Class900						Class1500						Class2500					
		L		d	d1	H		L		d	d1	H		L		d	d1	H	
		R F	R J					R F	R J					R F	R J				
65	2 1/2"	419	422	50	64	250		419	422	50	64	320		508	514	42	52	320	
80	3"	381	384	64	76	300		470	473	64	76	340		578	584	52	62	350	
100	4"	457	460	76	102	345		546	549	76	102	385		673	683	62	87	400	
125	5"	559	562	102	127	415		673	676	102	127	415		794	807	87	100	425	
150	6"	610	613	102	152	415		705	711	102	144	480		914	927	87	131	500	
200	8"	737	740	152	203	477		832	841	144	192	580		1022	1038	131	179	590	
250	10"	838	841	203	254	520		991	1000	192	239	584		1270	1292	179	223	610	
300	12"	965	968	254	305	528		1130	1146	239	287	650		1422	1445	223	265	660	
350	14"	1029	1038	305	322	680		-	-	-	-	-		-	-	-	-	-	
400	16"	1130	1140	305	373	680		-	-	-	-	-		-	-	-	-	-	

Note: Flange dimensions of trunnion ball valve with reduced bore are the same as that of full bore ball valve.

API Swing Check Valve



Swing check valve

Standards

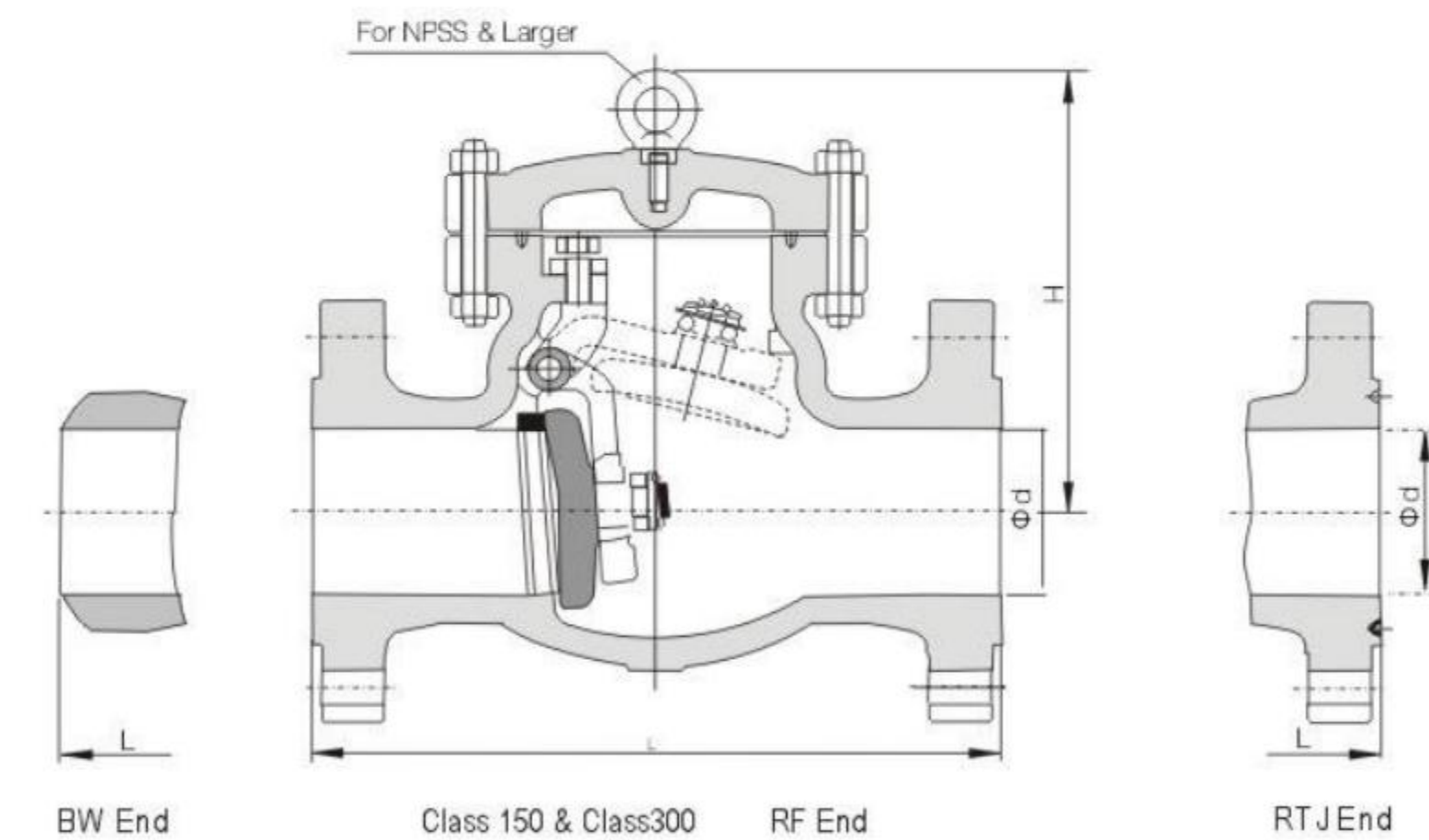
Design and manufacture: API 6D and ANSI B16.34
Inspection and Test: API 6D and API 598
Flanged end dimension: ASME B16.5 and ANSI B16.47
Butt-welding end dimension: ASME B 16.25
Face to face: API 6D and ASME B16.10

Main Parts and Materials

ITEM	Parts name	Materials			
1	Body	A351 CF8	A351 CF8M	A351 CF3	A216 WCB+13Cr
2	Disc	A351 CF8	A351 CF8M	A351 CF3	A216 WCB+13Cr
3	Rocker Arm	A351 CF8	A351 CF8M	A351 CF3	A216 WCB
4	Pin	A182 F304	A182 F316	A182 F304L	A182 F6a
5	Hanger	A351 CF8	A351 CF8M	A351 CF3	A216 WCB
6	Bolt	A193 B8	A193 B8M	A193 B8	A193 B7
7	Gasket	304+ Graphite	316+Graphite	304L+Graphite	304+ Graphite
8	Cover	A351 CF8	A351 CF8M	A351 CF3	A216 WCB
9	Stud	A193 B8	A193 B8M	A193 B8	A193 B7
10	Nut	A194 8	A194 8M	A194 8	A194 2H
Suitable Medium		HNO3.CH300H Etc	HNO3.CH300H Etc	HNO3.CH300H Etc	W.O.G Etc
Suitable Temperature		-29~200℃	-29~200℃	-29~200℃	-29~425℃

API Swing Check Valve

Class150、Class300



Standards

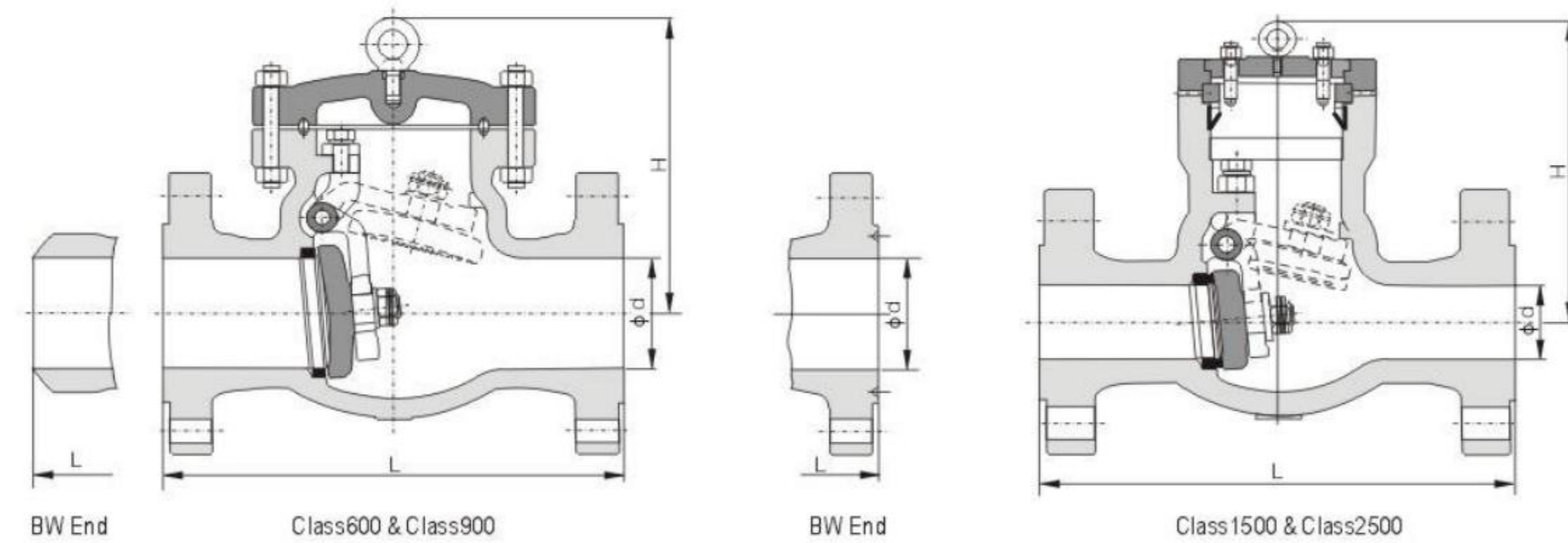
Design and manufacture: API 6D and ANSI B16.34
Inspection and Test: API 6D and API 598
Flanged end dimension: ASME B16.5 and ANSI B16.47
Butt-welding end dimension: ASME B 16.25
Face to face: API 6D and ASME B16.10

Class 150 & Class 300 Stainless Steel Swing Check Valve

Size		Class150						Class300					
NPS	DN	Dimension(mm)					Weight (kg)	Dimension(mm)					Weight (kg)
		L			d	H		L			d	H	
		R F	RTJ	BW				R F	RTJ	BW			
2 "	50	203	216	203	51	132	15	267	283	267	51	144	18
2 1/2 "	65	216	229	216	64	147	20	292	308	292	64	169	30
3 "	80	241	254	241	76	176	27	318	333	318	76	210	35
4 "	100	292	305	292	102	198	45	356	371	356	102	260	41
5 "	125	330	343	330	127	255	58	400	416	400	127	295	60
6 "	150	356	368	356	152	320	69	445	460	445	152	326	71
8 "	200	495	508	495	203	380	131	533	549	533	203	380	150
10 "	250	622	635	622	254	440	219	622	638	622	254	440	265
12 "	300	699	711	699	305	480	321	711	727	711	305	520	450
14 "	350	787	800	787	337	530	380	838	854	838	337	540	640
16 "	400	864	876	864	387	580	560	864	879	864	387	588	850
18 "	450	978	991	978	438	618	630	978	994	978	438	670	1030
20 "	500	978	991	978	489	657	770	1016	1035	1016	489	720	1330
24 "	600	1295	1308	1295	591	760	960	1346	1368	1346	591	850	1950
26 "	650	1295	-	1295	633	840	1250	1346	1372	1346	633	920	2300
28 "	700	1448	-	1448	684	920	1580	1499	1524	1499	684	1150	2600
30 "	750	1524	-	1524	735	980	1950	1594	1619	1594	735	1260	3200

API Swing Check Valve

Class600、Class 900、Class1500、Class2500



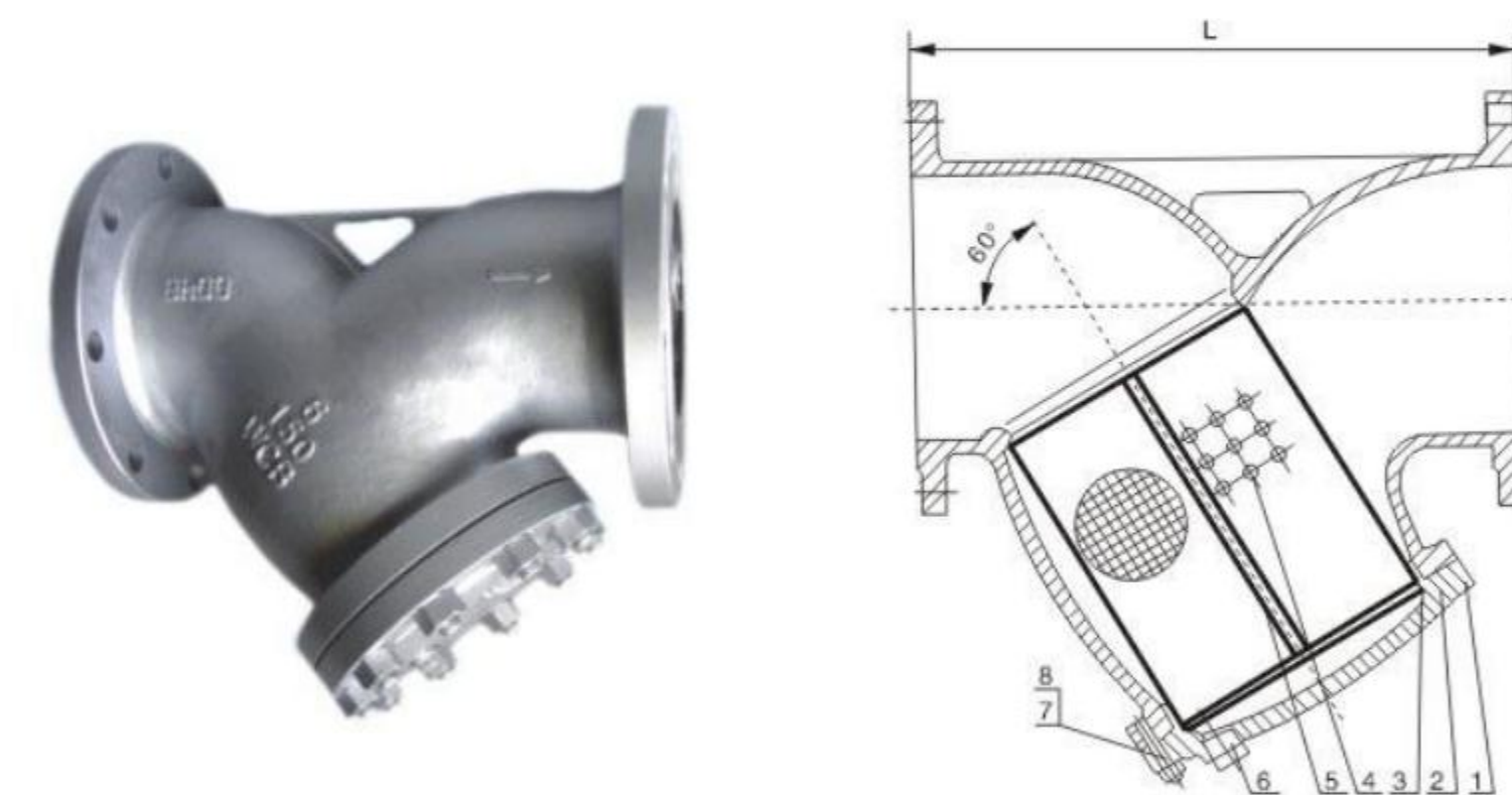
Class600~Class2500 Stainless Steel Swing Check Valve

Size		Class600						Class 900					
NPS	DN	Dimensions(mm)					Weight (kg)	Dimension(mm)					Weight (kg)
		L			d	H		L			d	H	
		R F	RTJ	BW				R F	RTJ	BW			
2 "	50	292	295	292	51	170	28	368	371	368	51	200	48
2 1/2 "	65	330	333	330	64	178	40	419	422	419	64	220	75
3 "	80	356	359	356	76	246	68	381	384	381	76	280	95
4 "	100	432	435	432	102	290	117	457	460	457	102	320	135
5 "	125	508	511	508	127	320	155	559	562	559	127	360	200
6 "	150	559	562	559	152	360	192	610	613	610	152	400	264
8 "	200	660	664	660	203	430	340	737	740	737	203	480	424
10 "	250	787	791	787	254	502	515	838	841	838	254	560	730
12 "	300	838	841	838	305	554	750	965	968	965	305	632	1070
14 "	350	889	892	889	337	595	890	1029	1038	1029	322	680	1180
16 "	400	991	994	991	387	680	1303	1130	1140	1130	373	780	1790
18 "	450	1092	1095	1092	438	778	1800	1219	1232	1219	423	880	2500
20 "	500	1194	1200	1194	489	970	2150	1321	1334	1321	471	1050	3080
24 "	600	1397	1407	1397	591	1100	3200	1549	1568	1549	522	1200	4600

Size		Class1500						Class2500					
NPS	DN	Dimension(mm)					Weight (kg)	Dimension(mm)					Weight (kg)
		L			d	H		L			d	H	
		R F	RTJ	BW				R F	RTJ	BW			
2 "	50	368	371	368	51	210	48	451	454	451	42	230	68
2 1/2 "	65	419	422	419	64	240	75	508	514	508	52	260	100
3 "	80	470	473	470	76	303	120	578	584	578	62	330	165
4 "	100	546	549	546	102	340	180	673	683	673	87	370	260
5 "	125	673	676	673	127	380	294	794	807	794	96	410	440
6 "	150	705	711	705	144	430	385	914	927	914	131	460	580
8 "	200	832	841	832	192	500	634	1022	1038	1022	179	530	970
10 "	250	991	1000	991	239	590	1140	1270	1292	1270	223	620	1700
12 "	300	1130	1146	1130	287	660	1650	1422	1445	1422	265	690	2600
14 "	350	1257	1276	1257	315	710	2000	-	-	-	-	-	-
16 "	400	1384	1407	1384	360	820	2700	-	-	-	-	-	-

API Y Strainer

Class150、Class300



Design & manufacture: According to customer request
Inspection & test :API598
Length of structure :According to customer request
Flange size :ANSI B16.5.

Main Parts and Materials

ITEM	Part name	ANSI Specifications			Remarks
		Corrosion Service			
1	Booy	CF8	CF8M	CF3M	
2	Cover	CF8	CF8M	CF3M	
3	Screen	S.S.304	S.S.316	S.S.316L	
4	Gasket	P.T.F.E	P.T.F.E	P.T.F.E	
5	Plug	S.S.304	S.S.316	S.S.316L	
6	Cover Bolt	S.S.304	S.S.304	S.S.304	
7	Cover Nut	S.S.304	S.S.304	S.S.304	

API Main Connection dimensions

DN	SIZE	L	D2	D1	D	C	F	n-d1	H
15	1/2"	130	35	60.5	89	11.5	1.6	4-15	67
20	3/4"	145	43	70	98	11.5	1.6	4-15	75
25	1"	155	51	79.5	108	11.5	1.6	4-15	85
32	1-1/4"	165	64	89	117	13	1.6	4-15	90
40	1-1/2"	205	73	98.5	127	14.5	1.6	4-15	115
50	2"	220	92	120.5	152	16	1.6	4-19	125
65	2-1/2"	250	105	139.5	178	17.5	1.6	4-19	150
80	3"	280	127	152.5	190	19.5	1.6	4-19	180
100	4"	320	157	190.5	229	24	1.6	8-19	215
125	5"	440	186	216	254	24	1.6	8-22	220
150	6"	384	216	241.5	279	25.5	1.6	8-22	245
200	8"	481	270	298.5	343	29	1.6	8-22	350
250	10"	515	324	362	406	31	1.6	12-25	382
300	12"	615	381	432	483	32	1.6	12-25	430

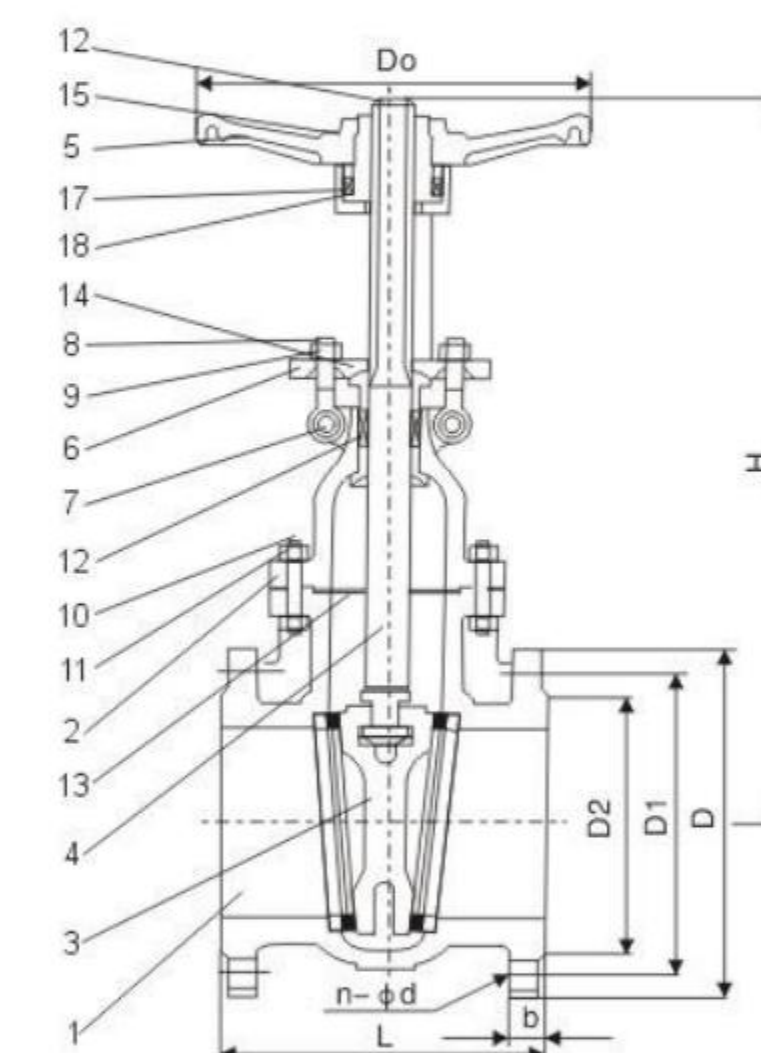
JIS Valve Series



The major products are stainless steel and carbon steel ball valve, gate valve, globe valve, check valve and Y-strainer. All valves manufactured accord to JIS Standard.

JIS Gate valve

10K、20K、40K



Design and Manufacture: JIS B2073; B2083
 Inspection & Test: JIS B2003
 Flange dimension: JIS B2212; B2214
 Face-to-face: JIS B2002
 Temperature range: -20°C to 425°C
 Suitable medium: water, oil, air and some corrosive liquid

Main Parts and Materials

ITEM	Part name	KS Specifications			Remarks
		Corrosion Service			
1	BODY	SCS 13	SCS 14	SCS 14	
2	BONNET	SCS 13	SCS 14	SCS 14	
3	DISC	SCS 13	SCS 14	SCS 14	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD40	GCD40	GCD40	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	HINGE BOLT	STS 304	STS 304	STS 304	
9	HINGE NUT	STS 304	STS 304	STS 304	
10	BONNET BOLT	STS 304	STS 304	STS 304	
11	BONNET NUT	STS 304	STS 304	STS 304	
12	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
13	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
14	GLAND RING	STS 304	STS 316	STS 316L	
15	WHEEL NUT	SB41	SB41	SB41	
16	SET SCREW	SB41	SB41	SB41	
17	SLEEVE NUT	STS 304	STS 304	STS 304	
18	YOKE SLEEVE	BC6/GCD40	BC6/GCD40	BC6/GCD40	

NOTE 1. Packing & gasket material: customer's requirements

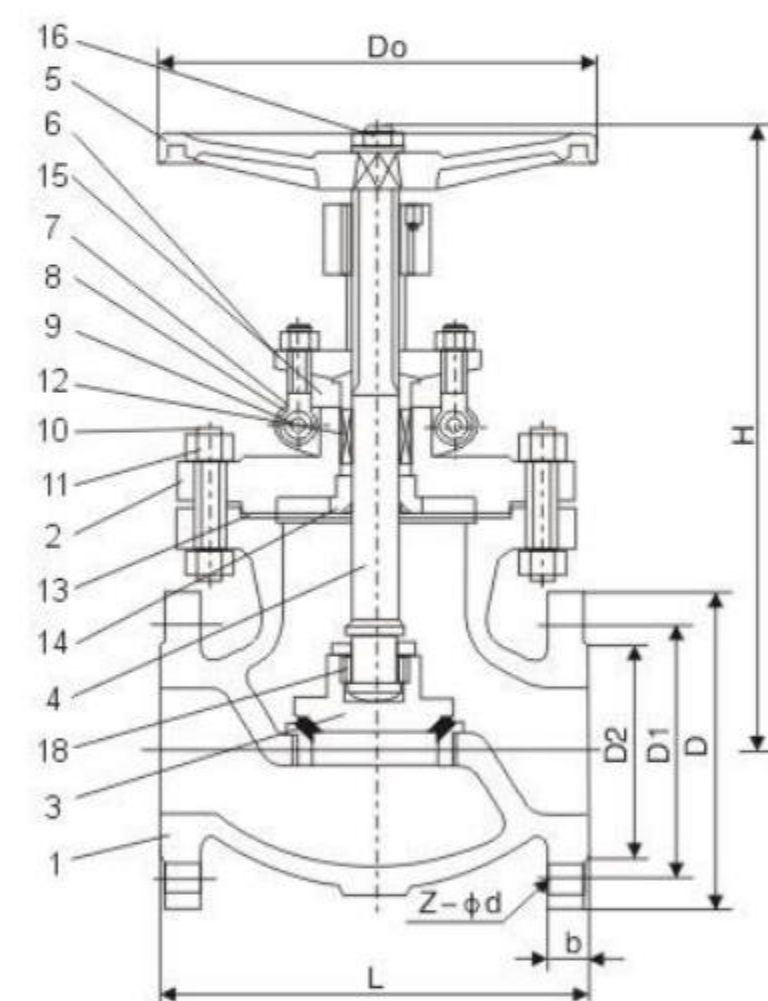
Dimensions

(mm)

CLASS	SIZE DIMENSION	IN	1/2 "	3/4 "	1 "	1/4 "	1/2 "	2 "	2 1/2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "	18 "	20 "	24 "
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
10K	L:TACE TO FACE (RF)	108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	406	432	457	506	
	H:VALVE HEIGHT	195	195	230	255	270	320	370	430	525	635	730	850	1125	1327	1450	1650	1750	2100	2460	
	Do:HAND WHEEL DIA.	100	100	125	125	180	180	200	200	240	280	280	320	400	400	550	550	550	550	600	
20K	L:TACE TO FACE (RF)	140	152	165	178	190	216	241	283	305	381	403	419	457	502	762	838	914	991		
	H:VALVE HEIGHT	165	190	216	229	290	357	412	475	550	626	753	968	1170	1340	1671	1880	2150	2510		
	Do:HAND WHEEL DIA.					180	200	200	240	280	320	320	400	400	400	600	600	700	800		
40K	L:TACE TO FACE (RF)					241	292	330	356	432	508	559	660	787	838	889	991	1092	1194		
	H:VALVE HEIGHT					405	455	500	608	670	774	1020	1280								
	Do:HAND WHEEL DIA.					200	250	315	355	400	450	500	710								

JIS Globe valve

10K、20K、40K



Design and Manufacture: JIS B2071; B2081
 Inspection & Test: JIS B2003
 Flange dimension: JIS B2212; B2214
 Face-to-face: JIS B2002
 Temperature range: -20℃ to 425℃
 Suitable medium: water, oil, air and some corrosive liquid

Main Parts and Materials

ITEM	Part name	KS Specifications			Remarks
		Corrosion Service			
1	BODY	SCS 13	SCS 14	SCS 16	
2	BONNET	SCS 13	SCS 14	SCS 16	
3	DISC	STS 304	STS 316	STS 316L	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD40	GCD40	GCD40	
6	GLAND FLANGE	SCS 13	SCS 14	SCS 16	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	HINGE BOLT	STS 304	STS 304	STS 304	
9	HINGE NUT	STS 304	STS 304	STS 304	
10	BONNET BOLT	STS 304	STS 304	STS 304	
11	BONNET NUT	STS 304	STS 304	STS 304	
12	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
13	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
14	YOKE BUSH	BC6/GCD45	BC6/GCD45	BC6/GCD45	
15	WHEEL NUT	SS400	SS400	SS400	
16	GLAND RING	STS 304	STS 316	STS 316L	
17	PLATE WASHER	SS400	SS400	SS400	
18	DISC NUT	STS 304	STS 316	STS 316L	

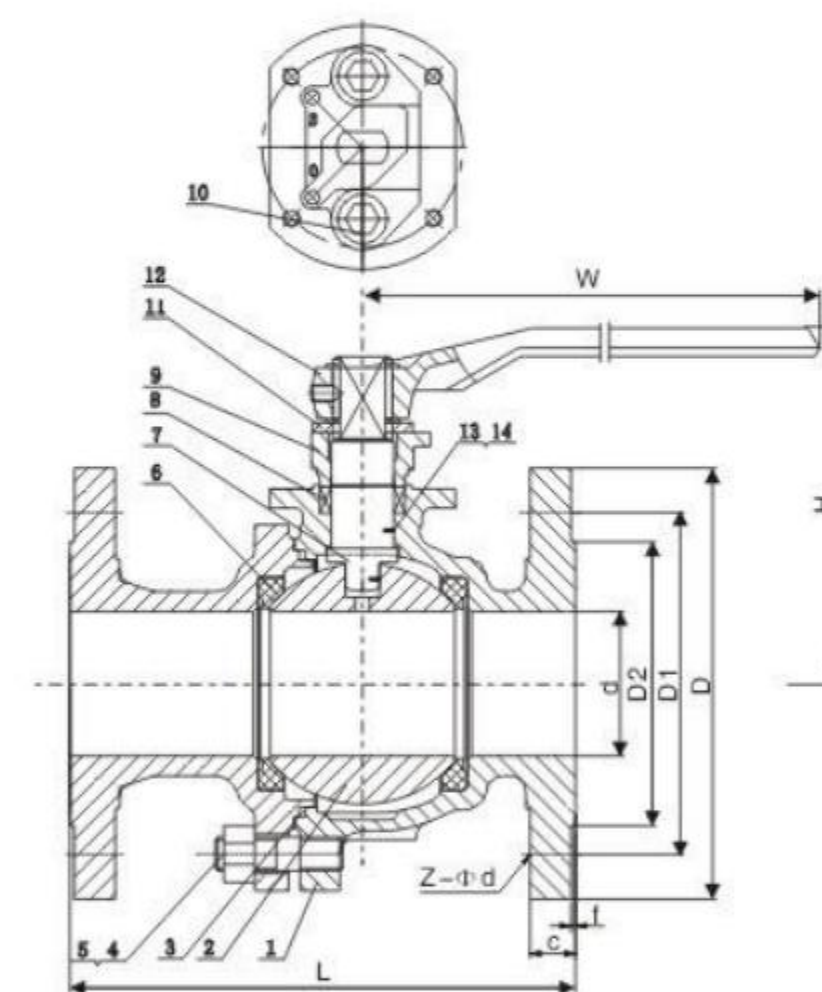
NOTE 1. Packing & gasket material : customer's requirements

Dimensions

CLASS	SIZE DIMENSION	IN	1/2 "	3/4 "	1 "	1 1/4 "	1 1/2 "	2 "	2 1/2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "	18 "	20 "	24 "
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
10K	L:FACE TO FACE (RF)	108	117	127	140	165	203	216	241	292	356	406	495	622	698	838	864	978	1016		
	H:VALVE HEIGHT	190	198	198	240	250	280	330	360	380	460	480	560	650	736	889	991	1092	1194		
	Do:HAND WHEEL DIA.	100	100	100	140	140	180	200	200	240	280	280	400	550	550						
20K	L:FACE TO FACE (RF)	152	178	203	216	229	267	292	318	356	400	444	559	622	711						
	H:VALVE HEIGHT	165	190	216	229	275	300	340	380	430	500	590	696	789	838						
	Do:HAND WHEEL DIA.					180	180	200	240	240	355	400	400	450							
40K	L:FACE TO FACE (RF)					241	292	330	356	432	508	559	660	787							
	H:VALVE HEIGHT						520	570	510	615	680	780	995	1150							
	Do:HAND WHEEL DIA.						250	315	355	450	450	450	500	800							

JIS Ball valve

10K、20K



Design and Manufacture: BS5351
 Inspection & Test: JIS B2003
 Flange dimension: JIS B2212; B2214
 Face-to-face: JIS B2002
 Temperature range: -20℃ to 425℃
 Suitable medium: water, oil, air and some corrosive liquid

Main Parts and Materials

ITEM	Part name	KS Specifications			Remarks
		Corrosion Service			
1	BODY	SCS 13	SCS 14	SCS 16	
2	BALL	SCS 13	SCS 14	SCS 16	
3	GASKET	TEFLON	TEFLON	TEFLON	
4	BOLT	STS 304	STS 316	STS 316L	
5	NUT	STS 304	STS 316	STS 316L	
6	SEAT	TEFLON	TEFLON	TEFLON	
7	STEM	STS 304	STS 316	STS 316L	
8	PACKING	TEFLON	TEFLON	TEFLON	
9	PACKING GLAND	SCS 13	SCS 14	SCS 16	
10	SCREW	STS 304	STS 316	STS 316L	
11	STOP PLATE	STS 304	STS 304	STS 304	
12	HANDLE	GCD450	GCD450	GCD450	
13	BALL	STS 304	STS 304	STS 304	
14	SPRING	STS 304	STS 304	STS 304	

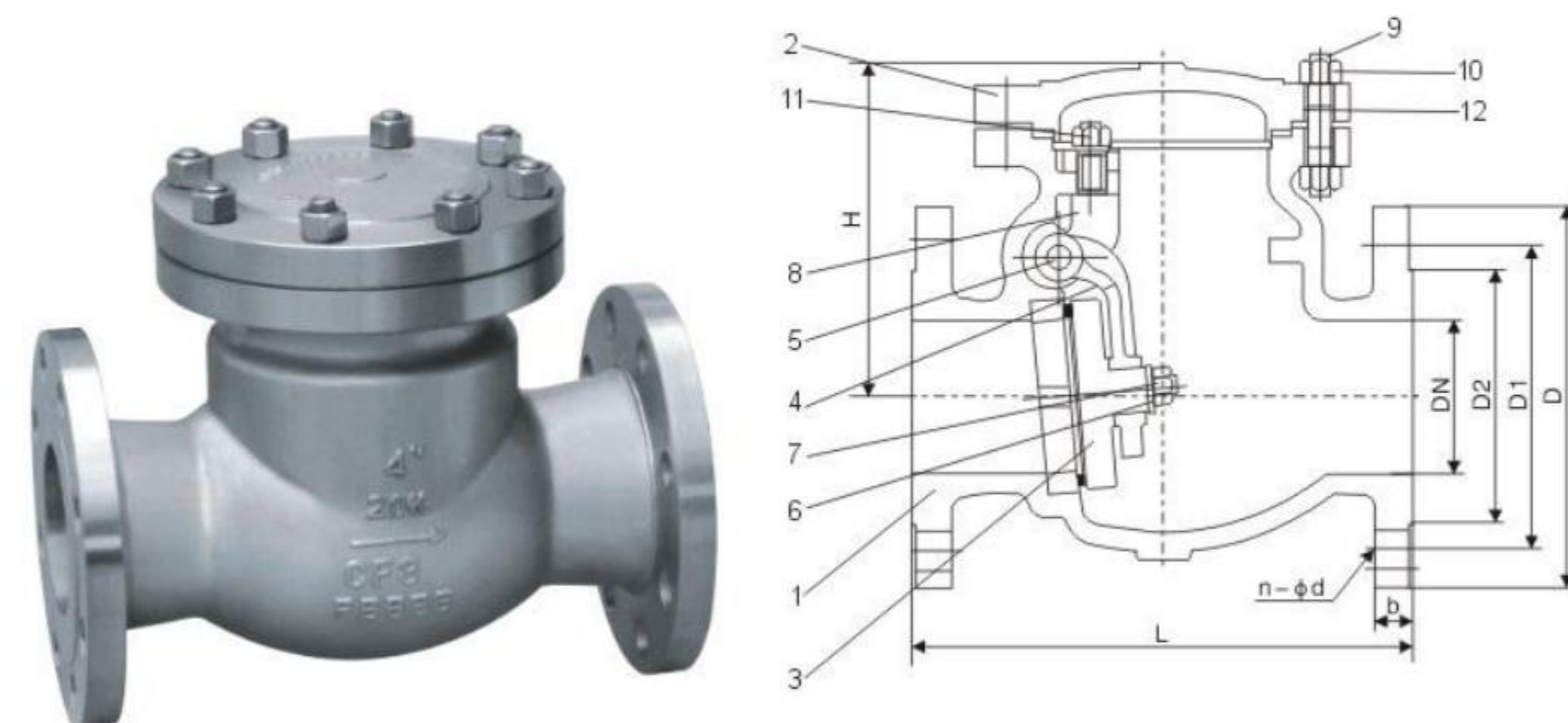
NOTE 1. Packing & gasket material : customer's requirements

Dimensions

CLASS	SIZE DIMENSION	IN	1/2 "	3/4 "	1 "	1 1/4 "	1 1/2 "	2 "	2 1/2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "	18 "	20 "	24 "
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
10K	L:FACE TO FACE (RF)	108	117	127	140	165	178	190	203	229	356	394	457	533	610	686	762				
	H:VALVE HEIGHT	67	72	80	95	105	118	133	153	183	220	265	310	580	630	650	720				
	W:HAND WHEEL DIA.	160	160	200	200	240	240	240	400	400	550	550	550	568	648	762	838				
20K	L:FACE TO FACE (RF)	140	152	165	178	190	216	241	283	305	381	403	502	590	655	680	750				
	H:VALVE HEIGHT	70	80	80	100	115	135	150	165	205	240	280	350								
	W:HAND WHEEL DIA.	160	160	200	200	240	240	240	400	400	550	550	550								

JIS Swing Check valve

10K、20K、40K



Design and Manufacture: JIS B2074; B2084
Inspection & Test: JIS B2003
Flange dimension: JIS B2212; B2214
Face-to-face: JIS B2002
Temperature range: -20°C to 425°C
Suitable medium: water, oil, air and some corrosive liquid

Main Parts and Materials

ITEM	Part name	KS Specifications			Remarks
		Corrosion Service			
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	ARM	SCS 13	SCS 14	SCS 16	
5	PIN	STS 304	STS 316	STS 316L	
6	PLATE WASHER	STS 304	STS 316	STS 316L	
7	DISC NUT	STS 304	STS 316	STS 316L	
8	YOKE	STS 304	STS 316	STS 316L	
9	COVER NIST	STS 304	STS 304	STS 304	
10	COVER BOLT	STS 304	STS 304	STS 304	
11	NUT	STS 304	STS 304	STS 304	
12	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

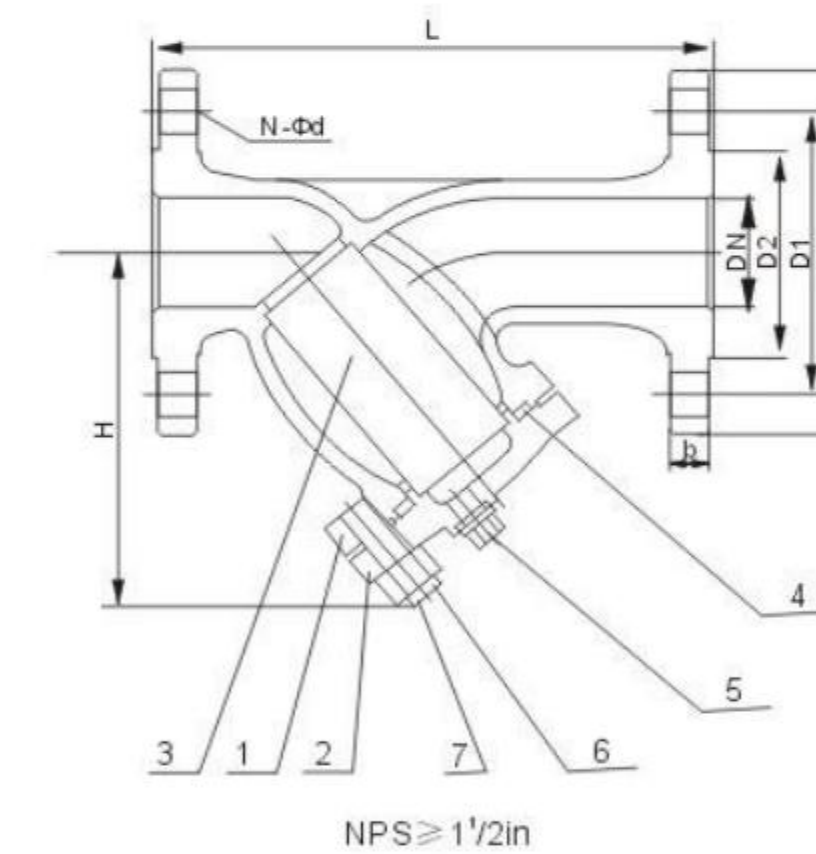
NOTE 1. gasket material: customer's requirements

Dimensions

CLASS	SIZE DIMENSION	IN	1/2 "	3/4 "	1 "	1 1/4 "	1 1/2 "	2 "	2 1/2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "	18 "	20 "	24 "
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
10K	L: FACE TO FACE (RF)	108	117	127	140	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	
	H: VALVE HEIGHT	60	65	72	85	94	105	111	120	160	172	203	225	320	340	364	410	461	526	568	
20K	L: FACE TO FACE (RF)	140	152	216	229	241	267	292	318	356	400	444	533	622	711	838	864	978	1016		
	H: VALVE HEIGHT	165	190	216	229	117	126	136	153	167	200	225	560	345	390	889	991	1092	1194		
40K	L: FACE TO FACE (RF)					241	292	330	356	432	508	559	660	787	838						
	H: VALVE HEIGHT						191	200	241	257	293	321	380	446							

JIS Y-Strainer

10K、20K



Design and Manufacture: JIS B2071; B2081
Inspection & Test: JIS B2003
Flange dimension: JIS B2212; B2214
Temperature pressure standard: JIS B2074; B2084
Temperature range: -20°C to 425°C
Suitable medium: water, oil, air and some corrosive liquid

Main Parts and Materials

ITEM	Part name	KS Specifications			Remarks
		Corrosion Service			
1	Booy	SCS 13	SCS 14	SCS 16	
2	Cover	SCS 13	SCS 14	SCS 16	
3	Screen	STS 304	STS 316	STS 316L	MESH 40
4	Gasket	P.T.F.E	P.T.F.E	P.T.F.E	
5	Plug	STS 304	STS 316	STS 316L	
6	Cover Bolt	STS 304	STS 304	STS 304	
7	Cover Nut	STS 304	STS 304	STS 304	

Dimensions

CLASS	SIZE DIMENSION	IN	1/2 "	3/4 "	1 "	1 1/4 "	1 1/2 "	2 "	2 1/2 "	3 "	4 "	5 "	6 "	8 "	10 "	12 "	14 "	16 "
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
10K	L: FACE TO FACE (RF)	136	140	160	200	200	260	268	287	340	392	440	540	672	774	800	875	
	H: VALVE HEIGHT	65	75	85	125	125	160	192	200	240	285	325	410	535	543	610	670	
20K	L: FACE TO FACE (RF)			165	225	230	265	273	298	350	400	452	610	776				
	H: VALVE HEIGHT			90	130	130	160	192	217	240	285	325	450	560				