

نوین استیل

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تهران، خیابان خیام شمالی، رو به روی پارک شهر، کوچه گورخانه، پاساژ

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استیل

درباره شرکت نوین استیل

شرکت نوین استیل با ۲۰ سال سابقه درخشان در صنعت اتمالات استنلس استیل، به عنوان یکی از پیشگامان این حوزه در ایران شناخته می‌شود. این شرکت با بهره‌گیری از دانش و تخصص کارشناسان ملی، توانسته است محصولات با کیفیت و مطابق با استانداردهای بین‌المللی را به مشتریان عرضه کند.

ما در نوین استیل با تکیه بر تجربه و توانمندی‌های تیم فنی، به دنبال ارائه بهترین راه‌حل‌ها برای نیازهای صنعتی مشتریان خود هستیم. هدف ما ارائه محصولات با دوام و مقاوم در برابر خوردگی است که در صنایع مختلف از جمله نفت، گاز، پتروشیمی، و آب و فاضلاب کاربرد گسترده‌ای دارند.

چشم‌انداز ما

نوین استیل همواره در تلاش است تا با افزایش کیفیت محصولات و خدمات، رضایت مشتریان را به حداکثر برساند و سهم بیشتری از بازار داخلی و بین‌المللی را به خود اختصاص دهد.

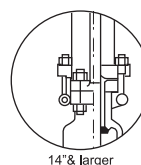
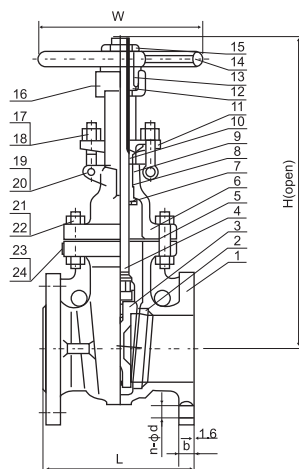
ماموریت ما

ماموریت ما ارائه راهکارهای نوین و بهینه در زمینه اتمالات و لوله‌کشی استنلس استیل است که با هدف بهبود کیفیت و کارایی پروژه‌های صنعتی، در جهت پیشرفت صنعت کشور گام برمی‌داریم.

Cast Steel Gate valve

Class 150~600

شیر فلکه کشویی



Application Standards

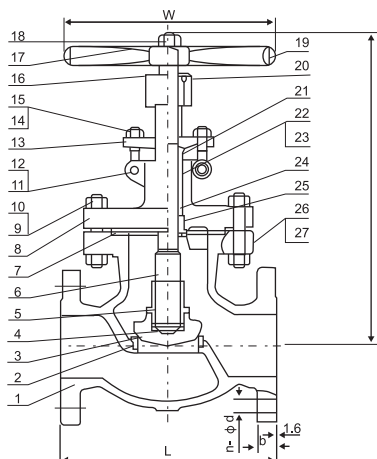
Face to face dimensions: ANSI B16.10
Basic design: API 600
Test standard: API 598
End Flange Dimensions: B16.5
ASTM A216 WCB - A217 WC6 - A351 CF8 - A351 CF8M
A351 CF3 - A351 CF3M - A351 CN7M

Main Parts and Materials

No.	Part Name	Qty.	Material	No.	Part Name	Qty.	Material
1	Body	1	WCB	13	Gland Nut	1	1035
2	Seat	2	A105+HF	14	Handwheel	1	60-40-18
3	Wedge	1	WCB+F6	15	Lock Nut	1	A29 1035
4	Stem	1	A182 F6	16	Oil Filler	1	A570 Gr.A
5	Gasket	1	08FFlexible Graphite	17	Eye Bolt	2	A193 B7
6	Bonnet	1	WCB	18	Eye Nut	2	A194 2H
7	Back Seat	1	A276 410	19	Pin	2	A29 1035
8	Packing	1	Stainless Steel Wire	20	Split pin	2	A570 Gr.A
9	Packing	4-5	With Flexible Graphite	21	Stud		A193 B7
10	Gland	1	A276 410	22	Nut		A194 2H
11	Gland Flange	1	WCB	23	Rivet	2	304
12	Stem Nut	1	D-2	24	Name Plate	1	304

Class		Dimensions																			
150	Class	inch	2	2-1/2	3	4	5	6	8	10*	12'	14	16	18	20	24	26	28	30	32	34
	L-RF	mm	178	191	203	229	254	267	292	330	356	381	406	432	457	508	559	610	610	710	762
	L1-BW	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	864	914	914	965	1016
	L2-RTJ	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	559	610	610	710	762
	H	mm	400	490	510	585	673	795	1015	1230	1465	1755	2030	2210	2510	2880	2930	3150	3200	3450	3600
	W	mm	200	200	250	300	300	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000
	RF	kg	18	28	30	50	60	85	128	220	310	450	550	700	810	1130	1680	2230	2780	2860	3050
	Wt BW	kg	15	22	26	40	55	77	118	200	290	435	510	650	880	1100	1800	2200	2650	2950	3250
	RTJ	kg	20	29	37	56	68	84	138	210	310	450	565	740	927	1125	1700	2235	2800	2900	3070
	b	mm	16	17.5	19	24	24	26	29	31	32	35	37	40	43	48	68	72	75	81	83
300	Class	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	32	34
	L-RF	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143	1245	1346	1397	1524	1626
	L1-BW	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1270	1372	1422	1553	1654
	L2-RTJ	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1270	1372	1422	1553	1654
	H	mm	470	525	533	610	694	845	1050	1295	1600	1830	2035	2195	2470	2900	3100	3360	3650	3700	3750
	W	mm	200	200	250	300	300	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000
	RF	kg	20	35	37	54	89	110	174	285	495	615	940	1090	1500	2100	2580	3300	4000	4350	4510
	Wt BW	kg	24	44	48	73	115	145	226	350	580	715	1050	1235	1655	2320	2860	3275	4230	4572	4850
	RTJ	kg	24	44	48	73	115	145	226	350	580	715	1050	1235	1655	2320	2860	3275	4230	4572	4850
	b	mm	23	26	29	32	35	37	42	48	51	54	58	61	64	70	80	86	92	99	102
600	Class	inch	2	2-1/2	3	4	5	6*	8	10	12	14	16	18	20	24	26	28	30	32	34
	L-RF	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651	1778	1930
	L1-BW	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651	1778	1930
	L2-RTJ	mm	295	333	359	435	511	562	664	791	841	892	994	1095	1200	1407	1461	1562	1664	1794	1946
	H	mm	495	550	615	735	760	1005	1245	1480	1730	1915	2050	2260	2620	2900	3075	3238	3600	3940	4250
	W	mm	200	250	300	350	350	450	500	600	750	850	850	960	960	1000	1000	1250	1250	1500	1650
	RF	kg	32	47	64	103	175	218	374	570	830	1012	1217	1760	2000	3200	3970	4280	4875	5615	6630
	Wt BW	kg	35	55	72	126	250	365	444	700	940	1310	1610	2070	2405	3810	4380	4910	5240	6835	7430
	RTJ	kg	35	55	72	126	250	365	444	700	940	1310	1610	2070	2405	3810	4380	4910	5240	6835	7430
	b	mm	26	29	32	38	44	48	56	64	67	70	77	83	89	102	108	111	114	117	121

Note: on "AND" and Smaller Valves, The yoke is cast integral with bonnet
on "AND" AND larger valves the stem net with ball bearing reduces operating torque for easy manual operation.



Application Standards

Face to face dimensions: ANSI B16.10

End Flange Dimensions: ANSI B16.5

Basic design: BS1873

Test standard: API 598

Main Parts and Materials

No.	Part Name	Qty.	Material	No.	Part Name	Qty.	Material
1	Body	1	WCB	15	Eye Nut	2	A194 2H
2	Seat	2	A105+HF	16	Stem Nut	1	D-2
3	Disc	1	WCB+F6	17	Gasket	1	A276 410
4	Thrust Plate	1	A276 430	18	Eye Nut	1	A29 1035
5	Disc Cover	1	A276 410	19	Handwheel	1	60-40-18
6	Stem	1	A18 2F6	20	Screw	1	A29 1035
7	Gasket	1	304+flexible Graphite	21	Gland	1	A276 410
8	Bonnet	1	WCB	22	Packing	2	Stainless Steelwite With Flexible Graphite
9	Stem		A193 B7	23	Packing	4-5	
10	Nut		A194 2H	24	Distance Ring	1	A276 410
11	Pin	2	A29 1035	25	Back Seat	1	A276 410
12	Split Pin	2	A570 Gr.A	26	Rivet	2	304
13	Gland Flange	1	WCB	27	Name Plate	1	304
14	Eye Bolt	2	A193 B7				

Dimensions													
Class 150													
Size	inch	2	2 1/2	3	4	5	6	8	10	12	14	16	18
L,L1-RF,BW	mm	203	216	241	292	356	406	495	622	698	787	914	978
L2-RTJ	mm	216	229	254	305	368	419	508	635	711	800	927	991
H	mm	330	390	410	475	540	585	725	825	940	1200	1270	1300
W	mm	200	250	250	300	350	350	450	500	600	600	650	650
WT	kg	23	29	40	59	95	115	178	268	385	540	760	1050
b	mm	16	17.5	19	24	24	26	29	31	32	35	37	40

Dimensions													
Class 300													
Size	inch	2	2 1/2	3	4	5	6	8	10	12	14	16	
L,L1-RF,BW	mm	267	292	318	356	400	444	559	622	711	838	863	
L2-RTJ	mm	283	308	333	371	416	460	575	638	727	854	879	
H	mm	350	425	485	520	565	655	825	920	1155	1250	1295	
W	mm	200	250	300	300	350	350	500	600	700	700	450*	
WT	kg	30	45	60	83	135	162	265	375	525	765	1100	
b	mm	23	26	29	32	35	37	42	48	51	54	58	

Dimensions										
Class 600										
Size	inch	2	2 1/2	3	4	5	6	8	10	
L,L1-RF,BW	mm	292	330	356	432	508	559	660	787	
L2-RTJ	mm	295	333	359	435	511	562	664	791	
H	mm	420	490	550	590	620	700	950	1140	
W	mm	250	300	300	350	500	500	600	600	
WT	kg	39	61	76	122	210	245	447	692	
b	mm	26	29	32	38	44	48	56	64	

* Gear operation suggested.Dimensions on request

Swing Check Valve

Class 150~600

شیرخودکار



Application Standards

Design and manufacture: ANSI B16.34, API 6D, B1868

Face to face(end to end): ANSI B16.10, API 6D

Flanged connection: 2"~24" to ANSI B16.5

22", 26"~36" to MSS-SP-44

to API 605 on request

Built welded and: ANSI B16.25

Test and inspection: API 598, API 6D

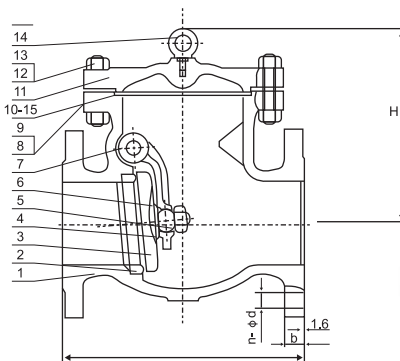
Class 150~600 Swing check valve

Bolted cover, swing type disc

Threaded or welded seat ring

ASTM A216 WCB, A217 WC6, A351CF8, A351CF8M

A351 CF3, A351 CF3M, A351 CN7M



Main Parts and Materials

No.	Part Name	Qty.	Material	No.	Part Name	Qty.	Material
1	Body	1	WCB	9	Name Plate	1	304
2	Seat	2	A105+HF	10	Gasket	1	304+Flexible Graphite
3	Disk	1	WCB+F6	11	Bonnet	1	WCB
4	Stem	1	WCB	12	Stud		A193 B7
5	Gasket	1	A276 410	13	Nut		A194 2H
6	Nut	1	A276 410	14	Eyebolt	1	A29 1035
7	Pin	1	A276 410	15	Gasket	1	1008
8	Rivet	2	304	16	Plug	1	A276 410

Dimensions															
Class 150															
Size	Inch	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
L,L1-RF .BW	mm	203	216	214	292	330	356	495	622	699	787	864	978	978	1295
L2-RTJ	mm	216	229	254	305	343	368	508	635	717	800	876	991	991	1308
H	mm	155	190	200	225	245	260	350	390	410	435	530	570	625	675
b	mm	16	17.5	19	24	25	26	29	31	32	35	37	40	43	48
WT.(Approx)	Kg	16	25	34	46	75	89	120	220	337	471	575	788	916	1275

Dimensions															
Class 300															
Size	Inch	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
L,L1-RF .BW	mm	267	292	318	355	400	440	533	622	711	838	863	977	1016	1346
L2-RTJ	mm	283	308	333	371	416	460	549	638	727	854	879	994	1036	1368
H	mm	180	20	225	240	275	310	370	410	440	500	545	605	675	785
b	mm	23	26	29	32	35	37	42	48	51	54	58	61	64	70
WT.(Approx)	Kg	26	32	53	73	110	157	234	384	450	650	800	970	1350	2210

Dimensions															
Class 600															
Size	Inch	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	
L,L1-RF .BW	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	
L2-RTJ	mm	295	333	359	435	511	562	664	791	841	892	994	1095	1200	
H	mm	190	215	250	260	310	350	420	490	525	580	630	690	810	
b	mm	26	29	32	38	45	48	56	64	67	70	77	83	89	
WT.(Approx)	Kg	33	49	62	95	120	195	360	465	725	875	1075	1475	1900	

Two Piece Floating Ball Valve Class 150~600

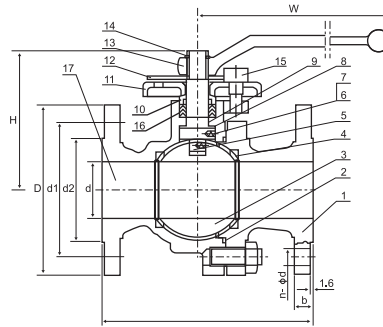
شیر تویی

Application Standards

Design and Manufacture: API 608, API 6D, BS5351
Face to face(end to end): ANSI B 16.10, API 6D
Flang connection: 2"~24" to ANSI B 16.5
Fire-safe:API 607, API 6FA
Test and Inspection: API 598, API 6D

Class 150~600 Floating ball valve

Bolted Bonnet, Two-piece Body, Floating Ball
Full or Reducet bore, Blowout Proof Stem
Fire safe and Anti static
Stainless steel ball
ASTM A216 WCB, A351 CF8, A351 CF8m.
A351 CF3, A351 CF3M, A351 CN7m



Main Parts and Materials

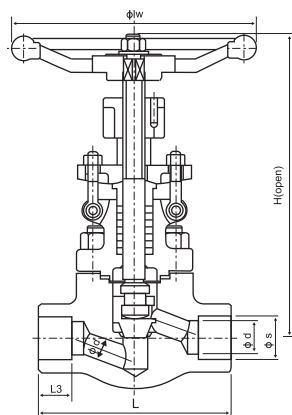
No.	Part Name	Qty.	Material	No.	Part Name	Qty.	Material
1	Bonnet	1	ASTM A216 WCB	10	Gland	1	ASTM A576-1045
2	Seal Ring	1	Grafoil	11	Gland Flange	1	ASTM A576-1045
3	Ball	1	ASTM A105 ENP	12	Holding Plate	1	ASTM A576-1045
4	Seat	2	ASTM A105 ENP+PTFE	13	Handle	1	ASTM A216 WCB
5	Stem	1	ASTM A105 ENP	14	Retaining Ring		Carbn Steel
6	Pin	2	ASTM A276 F6	15	Screw		ASTM A193 B7
7	Spring	2	ASTM A276 304	16	Packing	1	Grafoil
8	Thrust Collar	1	PTFE	17	Body		ASTM A216 WCB
9	Stem Bearing	1	PTFE				

Pressure stage	Size		Dimensions(mm)													Weight (kg)	
	DN	NOS	L		d	D	D ₁	D ₂	b	f	Z-Φdo	H		W		Hand wheel	Gear bos
			RF	RTJ								Hand wheel	Gear bos	Hand wheel	Gear bos		
Class 150	15	1/2	108	119	14	89	60.5	35	11.5	1.6	4-15	140	-	85	-	3	-
	20	3/4	117	130	19	98	70	43	11.5	1.6	4-15	140	-	90	-	4	-
	25	1	127	140	25	108	79.5	51	11.5	1.6	4-15	150	-	99	-	5	-
	32	1 1/4	140	153	32	117	89	64	13	1.6	4-15	180	-	105	-	7	-
	40	1 1/2	165	178	38	127	98.5	73	14.5	1.6	4-15	200	-	126	-	8	-
	50	2	178	191	51	152	120.5	92	16	1.6	4-19	250	-	140	-	12	-
	65	2 1/2	190	203	64	178	139.5	105	17.5	1.6	4-19	300	-	165	-	18	-
	80	3	203	216	76	190	152.5	127	19.5	1.6	4-19	350	-	178	-	24	-
	100	4	229	242	102	229	190.5	157	24	1.6	8-19	500	305	230	380	38	53
	125	5	356	369	127	254	216	186	24	1.6	8-22	800	305	280	405	60	79
Class 300	150	6	394	407	152	279	241.5	216	25.5	1.6	8-22	800	305	310	460	82	102
	200	8	457	470	203	343	298.5	270	29	1.6	8-22	1000	305	350	550	145	185
	250	10	533	546	254	406	362	324	31	1.6	12-25	-	400	-	706	-	280
	15	1/2	140	151	14	95	66.5	35	14.5	1.6	4-15	140	-	85	-	3	-
	20	3/4	152	165	19	117	82.5	43	16	1.6	4-19	140	-	90	-	5	-
	25	1	165	178	25	124	89	51	17.5	1.6	4-19	150	-	99	-	6	-
	32	1 1/4	178	191	32	133	98.5	64	19.5	1.6	4-19	180	-	105	-	8	-
	40	1 1/2	190	203	38	156	114.5	73	21	1.6	4-22	200	-	126	-	11	-
	50	2	216	232	51	165	127	92	22.5	1.6	8-19	250	-	142	-	16	-
	65	2 1/2	241	257	64	190	149	105	25.5	1.6	8-22	300	-	165	-	24	-
Class 600	80	3	283	299	76	210	168.5	127	29	1.6	8-22	350	-	178	330	34	52
	100	4	305	321	102	254	200	157	32	1.6	8-22	500	305	230	380	56	76
	125	5	381	397	127	279	235	186	35	1.6	8-22	800	305	280	420	86	124
	150	6	403	419	152	318	270	216	37	1.6	12-22	800	305	310	480	125	163
	200	8	502	518	203	381	330	270	41.5	1.6	12-25	1000	305	350	560	222	267
	15	1/2	165	164	14	95	66.5	35	14.5	6.4	4-15	140	-	79	-	5	-
	20	3/4	190	190	19	118	82.5	43	16	6.4	4-19	140	-	83	-	7	-
	25	1	216	216	25	124	89	51	17.5	6.4	4-19	200	-	114	-	9	-
	32	1 1/4	229	229	32	133	98.5	64	21	6.4	4-19	200	-	120	-	13	-
	40	1 1/2	241	241	38	156	114.5	73	22.5	6.4	4-22	250	-	125	-	17	-
	50	2	292	295	51	165	127	92	25.5	6.4	8-19	300	-	156	-	25	-
	65	2 1/2	330	333	64	190	149	105	29	6.4	8-22	350	-	172	-	42	-
	80	3	356	359	76	210	168	127	32	6.4	8-22	500	305	220	370	56	76
	100	4	432	435	102	273	216	157	38.5	6.4	8-25	650	305	250	400	85	123

Forged Steel Globe Valve Class 150~1500

شیر فلکه سوزنی

نوین استیل



Bolted Bonnet Socket-welding End



Threaded End



Application Standards

- 1.Reduced or full port
- 2.Construction:B.B&W.B;OS&Y
- 3.Gasket: Stainless steel+Graphite
- 4.Socket welding&threaded ends
- 5.Integral seat
- 6.Design & Manufacture:API 602&ANSI B16.34

- 1.Socket welding dimension:ANSI B16.11; JB/T1751
- 2.Screw end dimension:ANSI B1.20.1(NPT); GB/T7306-87(Rc)
- 3.Inspect and Test:API 598
- 4.Body material:A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

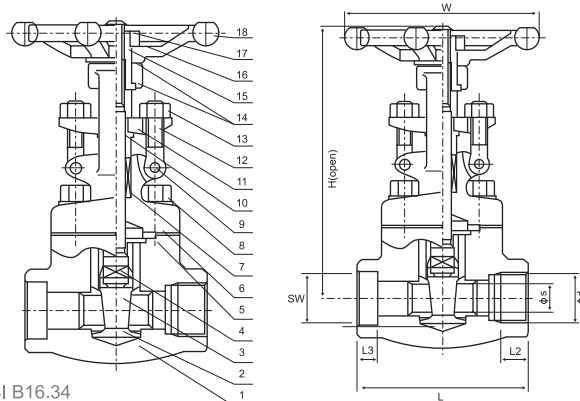
Class	Size		Dimensions(mm)							NPT	Weight (kg)
	NPS	DN	L	L2	L3	d	S	H	W		
150 ~ 800	1/2	15	79	16.3	9.6	9.5	21.8	158	100	1/2	2
	3/4	20	92	16.9	12.7	12.7	27.1	192	100	3/4	3
	1	25	111	17.3	12.7	17.5	33.8	252	125	1	4
	1 1/4	32	120	18.4	12.7	23.8	42.6	252	160	1 1/4	6
	1 1/2	40	152	18.4	12.7	28.6	48.7	289	180	1 1/2	7
	2	50	172	19.2	15.9	36.5	61.1	330	200	2	11
900 ~1500	1/2	15	111	16.3	9.6	9.5	21.8	207	100	1/2	2
	3/4	20	111	16.9	12.7	12.7	27.1	207	100	3/4	3
	1	25	120	17.3	12.7	17.5	33.8	240	125	1	4
	1 1/4	32	152	18.4	12.7	23.8	42.6	258	160	1 1/4	6
	1 1/2	40	172	18.4	12.7	28.6	48.7	290	180	1 1/2	8
	2	50	220	19.2	15.9	36.5	61.1	337	200	2	13

Application Standards

- 1.Reduced or full port
- 2.Construction:B,B&W,B;OS&Y
- 3.Gasket: Stainless steel+Graphite
- 4.Socket welding&threaded ends
- 5.Material for hardtrim is depend on client notice & operating condition

Application Standardss

- 1.design & manufacture:API 602&ANSI B16.34
 - 2.Socket welding dimension:ANSI B16.11&JB/T175-95
 - 3.Screw end dimension:ANSI B1.20&GB7306-87
 - 4.Inspect and test:API 598
- Body material:A105, LF2, F5, F11, F22, F304, F304L, F316, F316L



Main Parts and Materials

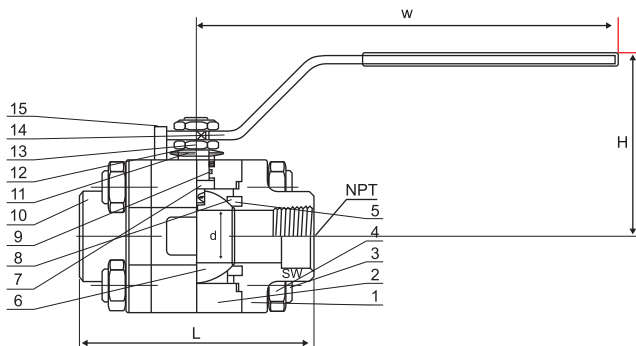
No.	Part Name	Qty.	ASTM Specifications									
			A105	A350	A182							
				LF2	F5	F11	F22	F304	F304L	F316	F316L	
1	Body	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
2	Seat	2	A276-420+STL						304+STL	304L+STL	316+STL	316L+STL
3	Wedge	1	A276-420						304+STL	304L+STL	316+STL	316L+STL
4	Stem	1	A276-410						A276-304	A276-304L	A276-316	A276-316L
5	Gasket	1	304+Graphite						316+Graphite			
6	Bonnet	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
7	Packing	1set	Graphite						PTFE			
8	Bolt	4	A193-B7	A320-L7	A193-B16			A193-B8A193B8M				
9	Pin	2	A276-410						A276-304			
10	Gland	1	A276-410						A276-304	A276-316		
11	Gland flange	1	A105						F304			
12	Bolt	2	A193-87	A320-L7	A193-B16			A193-B8A193B8M				
13	Nut	2	A194-2H	A194-4			A194-8					
14	Gasket	2	A276-410									
15	Nut	1	A108-1045						A276-410			
16	Name plate	1	aluminum						A108-1020			
17	Nut	1							A47			
18	Handwheel	1										

Class	Size		Dimensions(mm)							NPT	Weight (kg)
	NPS	DN	L	L2(NPT)	L3	d	S	H	W		
150 ~ 800	1/2	15	79	16.3	9.6	9.5	21.8	182	100	1/2	2
	3/4	20	92	16.9	12.7	12.7	27.1	208	100	3/4	2.5
	1	25	111	17.3	12.7	17.5	33.8	254	125	1	5
	1 1/4	32	120	18.4	12.7	23.8	42.6	290	160	1 1/4	6
	1 1/2	40	120	18.4	12.7	28.6	48.7	330	180	1 1/2	7
	2	50	140	19.2	15.9	36.5	61.1	372	200	2	11
900	1/2	15	111	16.3	9.6	9.5	21.8	182	100	1/2	2.5
	3/4	20	111	16.9	12.7	12.7	27.1	208	100	3/4	4.5
	1	25	120	17.3	12.7	17.5	33.8	254	125	1	6
	1 1/4	32	120	18.4	12.7	23.8	42.6	290	160	1 1/4	7
	1 1/2	40	140	18.4	12.7	28.6	48.7	330	180	1 1/2	11
	2	50	170	19.2	15.9	36.5	61.1	372	200	2	15
1500	1/2	15	111	16.3	9.6	9.5	21.8	182	100	1/2	4
	3/4	20	111	16.9	12.7	12.7	27.1	208	100	3/4	4
	1	25	120	17.3	12.7	17.5	33.8	254	125	1	7
	1 1/4	32	120	18.4	12.7	23.8	42.6	290	160	1 1/4	9
	1 1/2	40	140	18.4	12.7	28.6	48.7	330	180	1 1/2	12
	2	50	170	19.2	15.9	36.5	61.1	372	200	2	17

Forged Steel Ball Valve Class 800~1500



شیر تویی



Application Standards

- Design and manufacture conform to BS5351 MSS SP-118;
- Connection ends conform to:
 - Socket welded ends conform to ANSI B16. 11;JB/T1751
 - Screw ends conform to ANSI B1.20.1;JB/T7306
 - Butt-welded ends conform to ANSI B16.25;JB/T12224
 - Flanged ends conform to ANSI B16.5;JB79
- Test and inspection conform to: API 598; GB/T 13927; JB/T9092
- Structure features: Bolted bonnet; three-piece;
- Materials conform to ANSI/ASTM.
 - A150; F5; F11; F22; 304(L); 316(L); F347; F321; F51;
 - Monel; 20 Alloy.

Main Parts and Materials

NO.	Part Name	CS ASTM	SS ASTM	
		Type A105N	Type A304(L)	Type F316(L)
1.2	Body/Bonnet	ASTM A105N	A182 F304(L)	A182 F316(L)
3	Bolt	A193 B7	A193 B8	A193 B8M
4	Nut	A194 2H	A194 8	A194 8M
5.8	Seal ring/Gasket	PTFE+Cu1010/PPL		
6	Ball Body	A182 F304	A182 F304(L)	A182 F316(L)
7	Stem	A182 F410	A182 304(L)	A182 F316(L)
9.10	Stem Packing	PTFE+Cu1010/PPL		
11	Gland	A182 F410	A182 F304(L)	A182 F316(L)
12	Spring		65Mn	
13	Nut	A194 B7	A194 8	A194 8
14	Wrench	Q235 A		
15	Pin	A194 B7	F316	F316

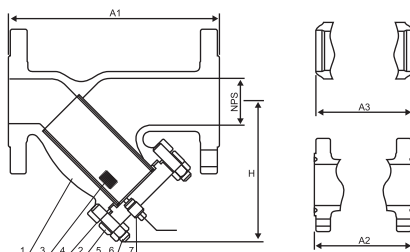
Class	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
800 ~ 1500Lb	L1	92	92	92	111	127	127	152	178
	W	108	108	108	146	178	178	200	200
	H	51	51	51	108	81	85	105	105
	d	CL 800	6	9	13	18	23	28	35
		CL1500	6	9	13	19	25	32	38
	Weight(kg)		2.5	2.4	2.3	3.4	5.4	6.4	11
			2.5	2.4	2.5	3.7	5.8	6.8	11.5

Application Standards

Design and manufacture: ASME B16.34, B1868
 Face to face(end to end): ASME B16.10
 Flanged connection: ASME B16.5
 Built welded and: ASME B16.25
 Test and inspection: API 598

Design Description

Y-pattern Type
 Bolted bonnet cap with drain plug
 Perforated density 100 mesh design
 Full range of strainer density
 Renewable strainer density
 Flanged or butt welding ends



Main Parts and Materials

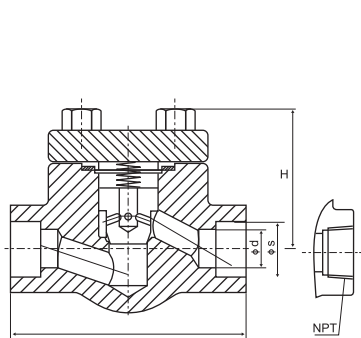
NO.	Part Name	Material List						
		Carbon steel	Carbon steel	304 Type	316 Type	304L Type	316L Type	20 Alloy
1	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CN7M
2	Disk	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CN7M
3	Spring	A240-304	A240-304	A240-304	A240-316	A240-304L	A240-316L	20 Alloy
4	Bonnet	304+Graphite	304+Graphite	304+Graphite	316+Graphite	304+Graphite	304+Graphite	316+Graphite
5	Bonnet Nut	A193 B7	A193 B7	A193 B8	A193 B8M	A193 B8	A193 B8M	A193 B8M
6	Bonnet Bolt	A194 2H	A194 7	A194 8	A194 8M	A194 8	A194 8M	A194 8M
7	Bonnet Gasket	A276 410	A276 410	304 SS	3316 SS	304L SS	304L SS	20 Alloy

NPS	NPS	A1/A3		H		PLUG (NPT)	WT(kg)		A1/A3		H		PLUG (NPT)	WT(kg)	
		Class 150							Class 300						
1/2	15	5.50	140	3.38	87	1/8	2.1	0.8	5.50	140	3.38	87	1/8	2.5	1.2
3/4	20	6.00	152	4.12	105	1/2	2.3	1.2	6.00	152	4.12	105	1/2	3.4	1.8
1	25	6.50	165	4.50	114	1/2	3.1	1.4	6.50	165	4.50	114	1/2	4.2	2.3
1 1/2	40	8.00	203	6.12	156	1/2	6.2	3.7	8.00	203	6.12	156	1/2	8.6	4.8
2	50	9.00	229	7.12	181	1/2	9.7	6.7	9.00	229	7.12	181	1/2	11.2	8.2
2 1/2	65	11.00	279	10.25	259	3/4	23.5	16.5	11.00	279	10.25	259	3/4	29	20
3	80	12.50	318	11.50	293	3/4	28	22	12.50	318	11.50	293	3/4	38	27
4	100	14.50	368	12.75	324	3/4	37	28	14.50	368	12.75	324	3/4	57	39
6	150	18.50	470	17.62	448	3/4	67	59	18.50	470	17.65	448	3/4	105	74
8	200	23.50	597	21.00	535	3/4	91	78	23.50	597	21.00	535	3/4	176	131
10	250	26.50	673	27.12	690	1	135	113	26.50	673	27.12	690	1	230	164
12	300	30.50	775	30.75	780	1	168	151	30.50	775	30.75	780	1	360	268
in.	mm	in.	mm	in.	mm	in.	RF	BW	in.	mm	in.	mm	in.	RF	BW

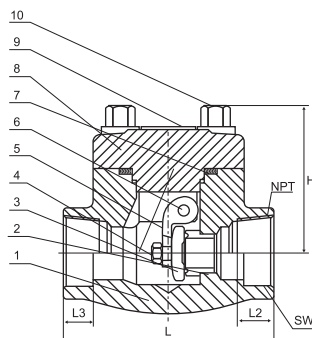
Forged Steel Check Valve Class 150~1500



شیر خودکار



• Lift Check Valve



• Swing Check Valve



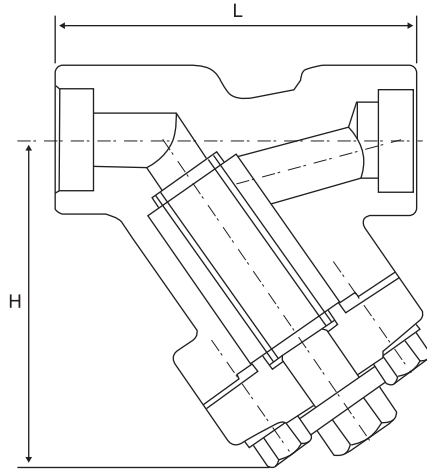
Application Standards

- 1.Reduced or full port
- 2.Swing & Lift Type
- 3.Construction:B.B&W.B;OS&Y
- 4.Gasket: Stainless steel+Graphite
- 5.Socket welding&threaded ends
- 6.Material for hardtrim is depend on client notice & operating condition

Main Parts and Materials

NO.	Part name	Qty.	Select material									
			A 105	A 350	A 182							
1	Body		A 105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
2	Seat		A276-420+STL									
3	Disc		A276-420									
4	Nut		A 194-8									
5	rocker		A 351-CF8M									
6	Pin		A 276-304									
7	Gasket		304+Graphite					316+Graphite				
8	Bonnet		A 105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
9	Name plate		aluminum									
10	Bolt		A193-B7	A320-L7	A193-B16				A193-B8		A193-B8M	

Class	Size		Lift check valve									Swing check valve								
			Dimensions(mm)								NPT	Weight (kg)	Dimensions(mm)							
	NPS	DN	L	L2	L3	d	S	H					L	L2	L3	d	S	H	NPT	Weight (kg)
150 ~ 800	1/2	15	79	16.3	9.6	9.5	21.8	61	1/2	1.2	79	16.3	9.6	9.5	21.8	61	1/2	1.0		
	3/4	20	92	16.9	12.7	12.7	27.1	61	3/4	1.4	92	16.9	12.7	12.7	27.1	61	3/4	1.1		
	1	25	111	17.3	12.7	17.5	33.8	78	1	2.3	111	17.3	12.7	17.5	33.8	78	1	1.9		
	1 1/4	32	120	18.4	12.7	23.8	42.6	84	1 1/4	3.9	120	18.4	12.7	23.8	42.6	84	1 1/4	3.4		
	1 1/2	40	152	18.4	12.7	28.6	48.7	103	1 1/2	5.6	120	18.4	12.7	28.6	48.7	101	1 1/2	4.5		
	2	50	172	19.2	15.9	36.5	61.1	118	2	8.9	140	19.2	15.9	36.5	61.1	120	2	7.3		
1500	1/2	15	111	16.3	9.6	9.5	21.8	79	1/2	3.0	111	16.3	9.6	9.5	21.8	79	1/2	3.0		
	3/4	20	111	16.9	12.7	12.7	27.1	79	3/4	3.4	111	16.9	12.7	12.7	27.1	79	3/4	3.6		
	1	25	120	17.3	12.7	17.5	33.8	97	1	4.8	120	17.3	12.7	17.5	33.8	97	1	4.3		
	1 1/4	32	152	18.4	12.7	23.8	42.6	104	1 1/4	6.9	120	18.4	12.7	23.8	42.6	105	1 1/4	6.1		
	1 1/2	40	172	18.4	12.7	28.6	48.7	120	1 1/2	10.7	140	18.4	12.7	28.6	48.7	120	1 1/2	8.8		
	2	50	220	19.2	15.9	36.5	61.1	139	2	14.6	170	19.2	15.9	36.5	61.1	140	2	12.6		



Application Standards

- 1.Construction:B.C;Y Type
- 2.Gasket:Stainlesssteel+graphite
- 3.Screw Gasket:Copper Sheet
- 4.Socket welding & Threaded ends
- 5.Socket welding dimension:ANSI B16.11;JB/T1751

- 1.Screw end dimension:ANSI B1.20.1;GB/T7306-87(Rc)
- 2.Design & manufacture:API602;ANSI B16.34
- 3.Inspect and test:API 598
- 4.Body material:A105; LF2, F5, F11, F22, F304, F314L, F316, F316L

Dimensions

Normal dianeter	Mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	11	13	18	23	28	33
L	mm	98	98	120	140	140	170
H	mm	86	86	105	118	120	145
Weight	Kg	2.7	2.5	6.3	8.2	9.2	10.3

Females Threaded Ball Valve 1000WOG-2000WOG



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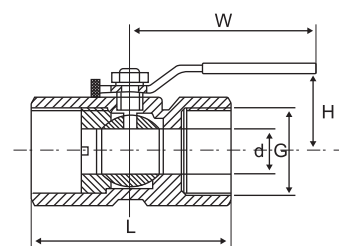
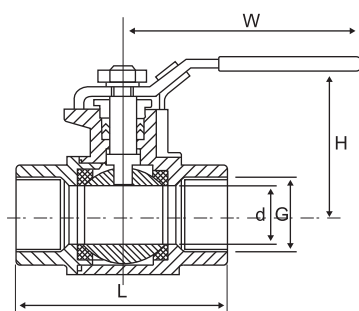
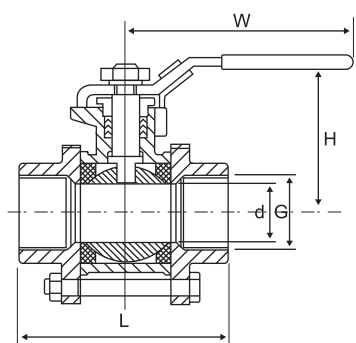
Three-plates Ball Valve



Two-plates Ball Valve



One-plate Ball Valve



Application Standards

Applicable medium: Non-corrosive medium including water, air and oil products, etc. and corrosive media of acid and alkali.

Applicable temperature: 300 C

Nominal pressure: 1.6~6.4 Mpa

Inside Nominal Diameter: DN6 mm~DN100 mm

The screw thread can be manufactured in accordance with such standards as NPT, BSPT and DIN259/2999 as required, and

also can be made into external type or yoke type. pneumatic and electrical mechanism are available separately.

Females threaded or socketweld or butt weld end

Locking device handle

DN (mm)	G	One-plate			Two-plates			Three-plates		
		L	H	W	L	H	W	L	H	W
6	1/4	40	35	64	55	50	100	50	50	100
10	3/8	45	37	70	55	50	100	50	50	100
15	1/2	56.5	43.5	90	65	60	130	60	60	130
20	3/4	60	47	90	75	64	130	64	64	130
25	1	72	50	103	88	71	165	71	71	165
32	1-1/4	78	57	103	102	78	165	78	78	165
40	1-1/2	85	69	127	110	86	190	86	86	190
50	2	100	74.5	127	125	95	190	95	95	190
65	2-1/2	125	-	-	192	130	250	130	130	250
80	3	150	-	-	189	148	250	148	148	250
100	4	195	-	-	260	180	280	180	180	280

Customer approval that is
the market permit for enterprise

Product Artistic Collection



• Cast Steel valve



• Forged Steel valve



• 1Pc - 2 Pc - 3 Pc Threaded Ball Valve



• Fitting