





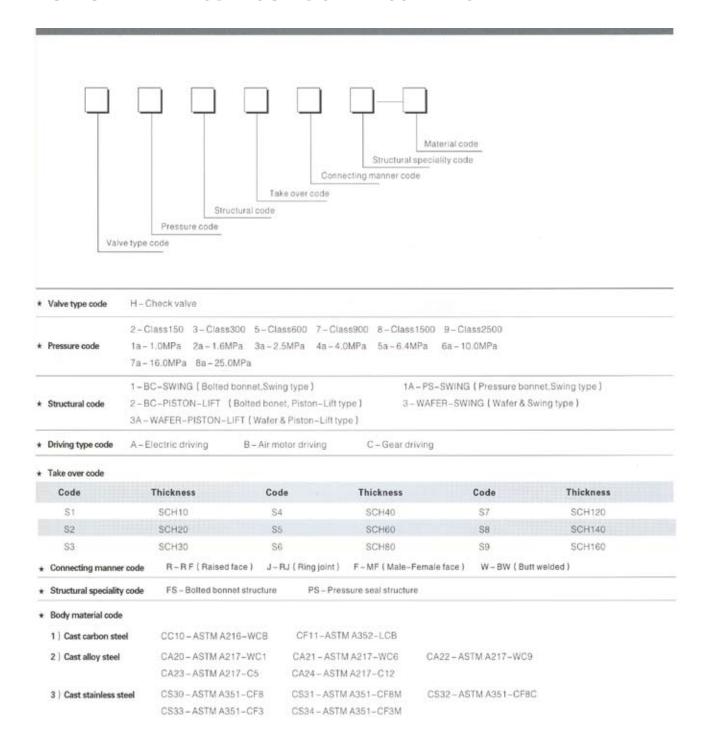


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### CHECK VALVE MODEL SCHEDULE ILLUSTRATION





# FLANGED & BUTT-WELDING CONNECTION SWING CHECK VALVE

#### PRODUCTS DESIGN FEATURES

Flanged & Butt-Welding Ends Shing Check Valves are used in pipes under pressures between PN1.6-16.0MPa,Class150-900Lb, working tempertures between −29-570°C,They are used in industries include oil, chemistry,pharmaceutical,fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

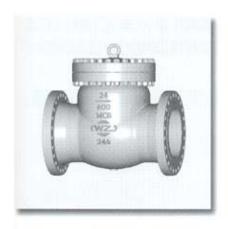
- 1. Rational structure, reliable sealing, excellent performance, pretty appearance.
- 2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life.
- 3. Inside-set bolt-bearing structure reduces leakage and reliable use.
- Under pressures ≥ 16.0Mpa, Class1500, the valve belly, self-tightening structure offers a tighter sealing for a higher medium pressure.
- Different parts materials and different sizes for flange, butt-welding are available for sensible combination according to different working facts and customers' requirements.

											VI STORY OF	Service Service						
			Nominal size															
Model	Pressure	Structural Type	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900 36
			2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	30	
H2a1RFS	1.6MPa		水	☆	京	ŵ	भे	25	12	ń	ŵ	*	12	107	17	京	\$	**
H3a1RFS	2.5MPa		A	10	rit.	☆	京	ń	Ť	*	会	-	☆	*	☆	*	*	幸
H4a1FFS	4.0MPa	Bolted bonnet	*	10	str	12	57	12	12	107	☆	10	10	10	44	100	37	京
H5a1FFS	6.4MPa	Swing type	str.	*	sir .	市	前	- 10	10	100	ŵ	京	*	並	*	100	12	*
H6a1JFS	10.0MPa		京	str.	100	ŝέr	str.	1/2	位	rite.	100	107	12	17	4	*	tr.	ŵ
H7a1AJPS	16.0MPa		100	☆	150	景	☆	*	ric .	ŵ	-	_	+	1141	11-1	-	11411	
H8a1AJPS	25.0MPa	Pressure bonnet Swing type	垃	17	15	str.	str.	ŵ	☆	-	_	_	22	-	_	_	_	
H21RFS	Class 150		17	- 12	於	· At	100	str.	*	☆	立	12	rir	4	17	*	17	京
H31RFS	Class 300	Bolted bonnet	क्ष	☆	12	vir.	177	17	4	12	str.	ntr.	*	4	4	ric .	100	並
H51JFS	Class 600	Swing type	京	*	12	12	*	12	10	*	ŵ	17	17	4	4	ŵ.	*	*
H51AS7WPS	Class 600		ची	17	☆	ŵ	177	12	17	4	4	4	12	*	47	4	_	-
H71AS7WPS	Class 900		育	*	12	- str	*	+	*	*	4	*	*	*	4	dr.		_
H81AS9WPS	Class 1500	Pressure bonnet	*	100	12	12	*	*	- 12	*	4	**	*	10	*	4		
H91ASPWPS	Class 2500	Swing type	拉	4	\$	12	4	4	- str	100	- 17	_	2			TUE		ang.

Products performance specificatiion									
sure grade	1.6~42.0MPa	Class150~2500							
Shell test	1.5xPN	V							
Sealing test	1.1xPN	V Established							
temperature	-46°C-+5	70°C							
ng medium	Water, oi	I, natural gas, corrosive medium, etc.							
	Shell test Sealing test temperature	Shell test         1.6~42.0MPa           Sealing test         1.5xPl           temperature         -46°C~+5							

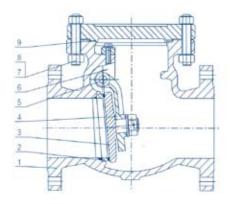
Note: PN is requested pressure for the body material under the 38°C.





# BOLTED BONNET SWING CHECK VALVE

echnical specification		
Design Standard	GB/T 12236	API 6D API 600
Face to Face	GB/T 12221	API 6D ASME B16.10
Flanged Size	GB/T 9113 JB/T 79	ASME B16.5 ASME B16.47
Test & Inspection	GB/T 19672 JB/T 9092	API 598



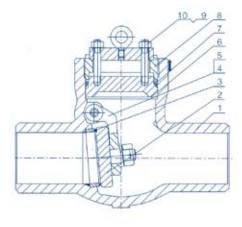
orm	of major p	arts materials	Maria de la companione
		M	laterial
No.	Part name	ASTM	GB
1	Body	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3F
2	Seat	A105, LF2 F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25, 1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
3	Disc	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3/
4	Arm	WCB, LCB WC1, WC6, WC9, C5, C12 CFB, CFBM, CFBC, CF3, CF3M	WCB WC1, WC6, WC9, C5 CFB, CF8M, CF8C, CF3, CF3
5	Pin	F6a, F22 F304, F316, F321, F304L, F316L	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
6	Racking	WCB, LCB WC1, WC6, WC9, C5, C12 CFB, CFBM, CFBC, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3I
7	Bolt	A193-B7, A320-B8 A193-B8M, A193-L7	35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
8	Nut	A194-2H, A194-8 A194-8M, A194-4	45. 35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
9	Gasket	Graphite & stainless steel	Graphite & stainless steel



## PRESSURE SEALED SWING CHECK VALVE

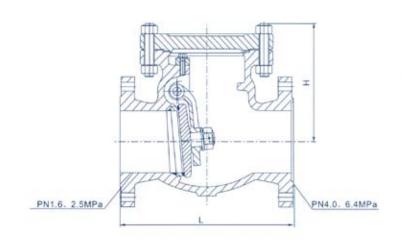


chnical specification		
Design Standard	GB/T 12236	API 600
Face To Face	GB/T 12221	ASME B16.10
Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
Test & Inspection	JB/T 9092	API 598



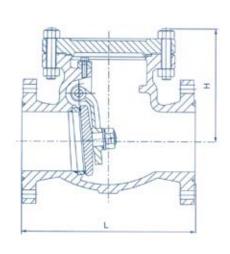
		N	Material
No.	Part name	ASTM	GB
1	Body	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3N
2	Disc	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
3	Seat	A105, LF2 F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
4	Pin	F6a, F22 F304, F316, F321, F304L, F316L	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
5	Arm	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
6	Bonnet	A105, LF2 F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
7	Sealing ring	Flexible Graphite	Flexible Graphite
8	Cover	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
9	Stud	A193-B7, A320-B8 A193-B8M, A193-L7	35CrMoA、25Cr2MoV 0Cr18Ni9、0Cr17Ni12Mo2
10	Nut	A194-2H, A194-8 A194-8M, A194-4	45、35CrMoA、25Cr2MoV 0Cr18Ni9、0Cr17Ni12Mo2

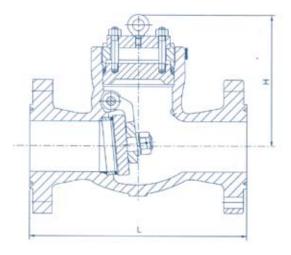




Size & w	eight				100	7017	5.00	N. W.	100	- 37	300	1000	317	500	i i je			
Model									1.6-2.	омРа								
Size	în.	11/2	2	21/2	3	4	5	6	8	10	. 12	14	16	18	20	24	30	36
0120	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900
L-L1	in.	6.5	8	8.5	9.5	11.5	13	14	19.5	24.5	27.5	31	34	38.5	38.5	51	60	77
(RF)	mm	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1956
L2	in.	7.0	8.5	9	10	12	13.5	14.5	20	25	28	31.5	34.5	39	39	51.5	60.5	77.5
(RTJ)	mm	178	216	229	254	305	343	368	508	635	711	800	877	991	991	1308	1537	1969
Н	in.	6.69	6.88	7	7.5	8.63	9.25	12.75	15.13	17.63	21.25	22	24.63	25.63	26.63	34.63	45.25	53.1
6	mm	170	175	178	191	219	235	324	384	448	540	559	626	651	676	880	1149	1349
WT	RF.	18	20	24	35	55	84	96	160	245	345	510	660	850	1050	1450	2350	3350
(kg)	BW	12	14	17	26	37	52	80	133	213	294	440	568	750	920	1270	2250	3150
Model									2.5-5.	0MPa								
- China	in.	11/2	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36
Size	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900
L-L1	in.	9.5	10.5	11.5	12.5	14	15.75	17.5	21	24.5	28	33	34	38.5	40	53	62.75	82
(RF)	mm	241	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594	2083
L2	in.	10	11.12	12.12	13.15	14.62	16.37	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88	63.75	83.1
(RTJ)	mm	254	283	308	334	371	416	460	549	638	727	854	879	994	1035	1369	1619	211
4.4	in.	7.4	7.75	8	8.75	10.88	11.63	13.25	16.25	18.25	22.13	3 23.5	25.38	29.88	33.63	37	50	60.6
H	mm	188	197	203	222	276	295	337	413	464	562	597	645	759	854	940	1270	1540
WT	RF	31	35	37	60	82	110	155	268	380	495	710	950	1200	1350	2200	3400	5000
(kg)	BW	28	32	35	50	65	70	128	230	270	460	555	800	970	1070	1780	2950	4300
Model									10.0	MPa								
and .	in.	2	21/2	3	4	6	8	10	) 1	2	14	16	18	20	24	26	28	30
Size	mm	50	65	80	100	150	200	25			150	400	450	500	600	650	700	750
L-L1	in.	11.5	13	14	17	22	26	3			35	39	43	47	55	57	63	65
(RF)	mm	292	330	356	432	559	660	78			189	991	1092	1194	1397	1448	1600	165
L2	in.	11.62	13.12	14.12	17.12	10000	177,000					39.12	11.00	47.25	55.38	57.5	63.5	65.5
(RTJ)	mm	295	333	359	435	562	663	79			92	994	1095	1200	1407	1461	1613	166
100	in.	8.25	8.63	10.5	11.75		18.75							38.38	43.75	48	53.13	56.2
Н	mm	210	219	267	299	381	476				70	765	895	975	1111	1219	1349	142
WT	RF	40	55	72	120	270	420					1450	1800	2100	3000	3500	4100	500
(kg)	BW	31	45	60	85	225	365	50				1140	1450	1650	2300	3000	3500	430





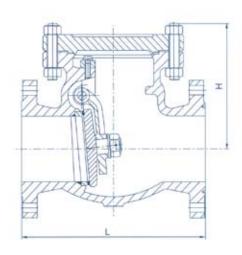


PN10.0MPa

PN16.0. 25.0MPa

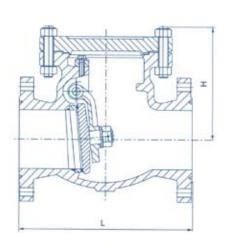
Model									
viodei					15.0MPa				
Size	in.	2	21/2	3	4	6	8	10	12
	mm	50	65	80	100	150	200	250	300
L-L1	in.	14.5	16.5	15	18	24	29	33	38
(RF)	mm	368	419	381	457	610	737	838	965
L2	in.	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.1
(RTJ)	mm	371	422	384	460	613	740	841	968
Н	in.	12.63	13.75	12.63	16	18.88	22.25	26.13	30.5
П	mm	321	349	321	406	479	565	664	775
WT	RF	70	160	90	150	305	516	810	1120
(kg)	BW	50	71	68	11.3	230	387	632	901
Model					25.0MPa				
Size	in.	2	21/2	3	4	6	8	10	12
SIZO:	mm	50	65	80	100	150	200	250	300
L-L1	in,	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5
(RF)	mm	368	419	470	546	705	832	991	1130
L2	in.	14.62	16.62	18.62	21.62	28	33.15	39.4	45.1
(RTJ)	mm	371	422	473	549	711	842	1000	1146
Н	in.	12.63	13.75	14.38	16.5	20.13	26.75	29.75	33.7
П	mm	321	349	365	419	511	680	756	857
WT	RF	70	110	170	300	695	1190	1850	2750
(kg)	BW	50	87	135	245	560	965	1480	2180
Model					42.0MPa				
Size	in.	2	21/2	3	4	6	8	10	12
Size	mm	50	65	80	100	150	200	250	300
L-L1	in.	17.75	20	22.75	26.5	36	40.25	50	56
(RF)	mm	451	508	578	673	914	1022	1270	1422
L2	in.	17.87	20.25	23	26.88	36.5	40.87	50.88	56.8
(RTJ)	mm	454	514	584	683	927	1038	1292	1445
Н	in.	16.38	16.5	17.38	18.88	20.13	28	33.5	39.3
-	mm	416	419	441	479	511	711	851	1000
WT	RF	150	240	350	650	1450	2550	3950	5700
(kg)	BW	120	195	280	540	1200	2200	3150	4550

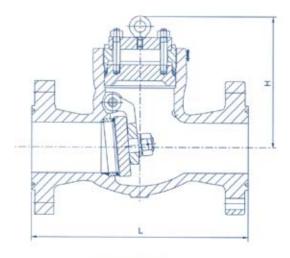




450 500
450 500
18 20
978 978
515 540
630 760
450 500
18 20
978 101
582 61
683 86
350 40
14 16
892 99
590 63
982 105







PN10.0MPa

PN16.0, 25.0MPa

ze & weig	jht	BEN'S	- 200	5 4 4	1000		WILL	T- W	1	C	lass90
Model					Class 90	00					
Size	in.	2	21/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
(BW)	in.	8.5	10	12	14	20	26	31	36	39	43
L1	mm	216	254	305	356	508	660	787	914	991	109
(RF)	in.	14.5	16.5	15	18	24	29	33	38	40.5	44.
L2	mm	368	419	381	457	610	737	838	965	1029	113
(RTJ)	in.	14.62	16,62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.8
ACCUSED NO.	mm in.	371 7.4	422	384	460	613	740	841	968	1038	114
H	mm	188	8.27 210	8.27 210	8.5 216	14.5 368	20.12	24.17	27.76	28.98	29.7
WT	RF	48	63	60	122	254	511	614	705	736	756
(kg)	BW	33	44	42	76	177	511 383	938	1448	1723	183
		33	44	42			383	703	1128	1353	146
Model		- 1-			Class 15	00					
Size	in.	2	21/2	3	4	6	8	10	12	14	16
0.20	mm	50	65	80	100	150	200	250	300	350	400
(BW)	in.	8.5	10	12	16	22	28	34	39	42	47
L1	mm	216	254	305	406	559	711	864	991	1067	119
(RF)	in.	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.8
L2	mm	368	419	470	546	705	832	991	1130	1257	138
(RTJ)	in.	14.62	16.62	18.62	21.62	28	33.13	39.38	45.12	50.25	55,3
	mm	371	422	473	549	711	841	1000	1146	1276	140
H	in.	10.43	10.43	10.63	14.57	18.7	22.44	24.8	30.31	31.3	32.4
WT	RF	265	265	270	370	475	570	630	770	795	824
(kg)	BW	58 40	73 51	71	128	332	588	1023	1528	1852	205
To the state of	DVV	40	0.1	69	84	228	458	713	1148	1388	154
Model					Class 25	00					
Size	in.	2	21/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
(BW)	in.	11	13	14.5	18	24	30	36	41		
L1	mm	279	330	368	457	610	762	914	1041		
(RF)	in.	17.75	20	22.75	26.5	36	40.25	50	56	_	_
L2	mm	451	508	578	673	914	1022	1270	1422		
(RTJ)	in.	17.87	20.25	23	26.88	36.5	40.87	50.88	56.88		-
	mm	454	514	584	683	927	1038	1292	1445		
H	in.	11.02	12	12.2	14.57	19.1	21.42	27.95	31.5	-	-
WT	mm B.F	280	305	310	370	485	544	710	800		
(kg)	BW	86 52	113	133	213	548	988	1598	2298	-	- H
11.097	DAA	02	00	93	158	383	638	1198	1723		



### FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE

#### PRODUCTS DESIGN FEATURES

Flanged ends piston-lift type check valve are used in pipes under nominal pressures between PN1.6–16.0Mpa, Class150–900, working temperatures between-46-550°C, They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

- 1. Rational structure, reliable sealing, excellent performance, pretty appearance.
- Co hard alloy welded sealing surface of the valve discs and seats, which is wearing resistant, erosion proof, abrasion proof andlong-lived.
- Different parts materials and different sizes for flange, & gasket-welding are available for sensible combination according to different working facts and customer's requirements.

			Nominal size												
Madel	D	Structural Type	DN	50	65	80	100	125	150	200	250	300			
Model	Pressure	Structural Type	NPS	2	21/2	3	4	5	6	8	10	12			
H2a2RFS	1.6MPa			☆	#	章	32	立	会	京	-	-			
H3a2RFS	2.5MPa			幸	4	分	音	章	100	- 12	enizari	11111			
H4a2FFS	4.0MPa			4	- 1	10	- 17	金	100	金	-	-			
H5a2FFS	6.4MPa	Bolted bonnet		: 4:	- 1	- 10	*	京	ri i	**		-			
H6a2JFS	10.0MPa	Piston-lift type		- 41	ŵ	18	- 90	12	京	str.	-	-			
H7a2JFS	16.0MPa			Ti.	章	台	- 12	112 =	or Chil			1110			
H22RFS	Class 150			\$	会	- 12	10	- 4:	12	- 17	京	18			
H32RFS	Class 300			\$	: 1	1/2	100	分	拉	4	台	4			
H52JFS	Class 600	Bolted bonnet		12	मे	. 16	10	370	12	ारे.	蛇	- 1			
H72JFS	Class 900	Piston-lift type		- 17	ste	*	\$1	4		1102		-			

Products perform	ance specificatiion		
Pressur	re grade	1.6~16.0MPa	Class150~900
161	Shell test	1.5xP/	N .
Test pressure	Sealing test	1.1×P1	N .
Workin	g temperature	-46℃~+5	70°C
Workin	g Medium	Water, or	il, natural gas, corrosive medium, etc.

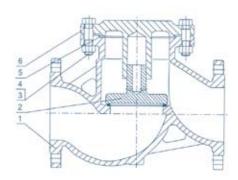
Note: PN is requested pressure for the body material under the 38°C.



# FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE



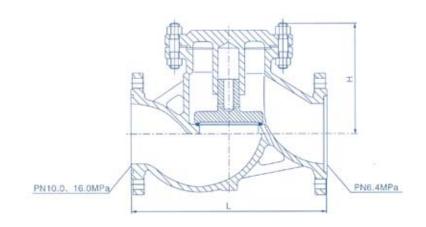
echnical specification	THE RESERVED	
Design Standard	GB/T 12235	BS1868
Face to Face	GB/T 12221	ASME B16.10
Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
Test & Inspection	JB/T 9092	API 598



			Material
No.	Part name	ASTM	GB
1	Body	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	Disc	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 GF8, CF8M, GF8C, GF3, CF3M
3	Stud	A193-B7, A320-B8 A193-B8M, A193-L7	35CrMoA、25Cr2MoV 0Cr18Ni9、0Cr17Ni12Mo2
4	Nut	A194-2H, A194-8 A194-8M, A194-4	45. 35CrMoA. 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
5	Gasket	Graphite & stainless steel	Graphite & stainless steel
6	Bonnet	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	



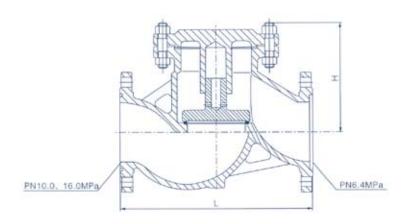
# FLANGED CONNECTION PISTON- LIFT TYPE CHECK VALVE



ize & weight		ALCOHOL: N	THE REAL PROPERTY.	EDWARD OF		PN1.6	~4.0MPa
Model			H2a2RFS-C	C10, CA20, CS30			
Pressure			1	I.6MPa		0	
Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	140	175	203	228	250	285
Weight (Kg)	20	24	30	42	59	84	100
Model			H3a2RFS-C	C10, CA20, CS30			
Pressure				2.5MPa			
Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	140	-175	203	228	250	285
Weight (Kg)	21	25	31	42	60	86	102
Model			H4a2FFS-C	C10, CA20, CS30			
Pressure				1.0MPa			
Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	160	178	203	228	265	317
Weight (Kg)	17	22	34	42	75	105	150



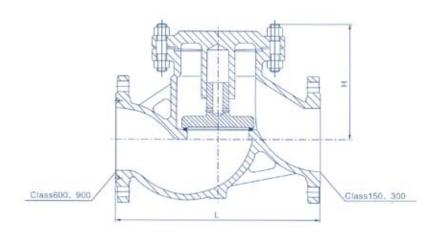
# FLANGED CONNECTION PISTON- LIFT TYPE CHECK VALVE



e & weight	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		351 1 1/2 May	1	PN6.4~	16.0MPa
Model			H5a2FFS	-CC10, CA20,	CS30		
Pressure				6.4MPa			
Size (mm)	50	65	80	100	125	150	200
L (mm)	300	340	380	430	500	550	600
H (mm)	175	190	208	230	265	312	353
Weight (Kg)	30	36	48	70	102	145	198
Model			H3a2RFS	-CC10, CA20,	CS30		
Pressure				10.0MPa			
Size (mm)	50	65	80	100	125	150	200
L (mm)	300	340	380	430	500	550	600
H (mm)	175	193	238	269	313	355	403
Weight (Kg)	30	43	65	89	102	123	148
Model			H4a2FFS	CC10, CA20,	CS30		
Pressure				16.0MPa			
Size (mm)	50		65		80		100
L (mm)	300		340		380		430
H (mm)	175		193		238		269
Weight (Kg)	32		46		240		273



# FLANGED CONNECTION PISTON- LIFT TYPE CHECK VALVE



ze & we	ight		THE REAL PROPERTY.	11 11 11 11	847.75	NO OFFI	THE RESERVE	Class	150~90
odel				H22	RFS-CC10, CA	20 CS30			
Pressi	ure				Class 150				
Size	mm	50	65	80	100	150	200	250	300
	in	2	21/2	3	4	6	8	10	12
L(mm)		203	216	241	292	356	495	622	698
H(mm)		165	175	190	215	265	320	365	415
Weight	(Kg)	17	25	29	50	85	150	240	350
odel				H32	RFS-CC10, CA	A20, CS30			
Pressi	ure				Class300				
Size	mm	50	65	80	100	150	200	250	300
0120	in	2	21/2	3	4	6	8	10	12
L(mm)		267	292	318	356	444	533	622	71
H(mm)		190	205	220	245	295	330	420	480
Weight	(Kg)	28	33	45	70	150	230	390	520
odel				H52	JFS-CC10, CA	20, CS30			
Pressu	ure				Class600				
Size	mm	50	65	80	100	150	200	250	300
301200	in	2	21/2	3	4	6	8	10	12
L(mm)		295	334	359	435	562	664	791	842
H(mm)		210	230	255	295	365	420	505	545
Weight	(Kg)	33	43	62	113	222	390	630	871
odel				H72	JFS-CC10, CA	20、CS30			
Pressu	ure				Class900				
Size	mm	50		65		30	100		150
	in	2		21/2		3	4		6
L(mm)		372		422	3	84	460		613
H(mm)		235		270	3	02	342		425
Weight	(Kg)	120		166	1	76	182		403





#### PRODUCTS DESIGN FEATURES

Wafer type double disc swing check valves are used in all kinds of pipes under the pressure of PN1.6~16.0MPa,class 150~900 and working temperature of ~196~425°C. They are mainly used to prevent the reverse flux of the media.

Main structural features:

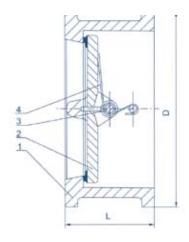
- 1. Short length, small volume and light weight.
- Either soft sealing or hard sealing can be applied for the sealing surface according to different working conditions, both ofwhich promise a perfect sealing effect.
  - 3. With a small starting pressure, the valve discs can be fully opened under a very small pressure difference.
  - 4. Fast discs closing and small water hammer pressure.
  - 5. Convenient installation and applicability on both level and vertical pipes.
- Different materials for the parts, sizes and forms of the valves surfaces are available for free combination according to the working facts and the customer's requirements.

									Nomin	al size	mm/in					
Model	Pressure	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	11033010	NPS	2	21/2	3	4	5	6	8	10	12	14	16	18	20	24
H1a3R	1.0MPa		37	37	17	औ	1	京	\$	音	*	भेर	10	立	京	力
H2a3R	1.6MPa		- 11	str	100	100	50	177	10	177	100	100	W.	☆	立	17
Н3а3П	2.5MPa		n'r	57	W	38	Str.	100	- 17	120	W.	38	ole.	京	Str	177
H4a3F	4.0MPa		1/2	sk	-tr		4	dr	4	*	力	10	4		-	-
H5a3F	6.4MPa		1	30	ŵ	14	th.	4	4	10	4	-	-	-	-	-
H6a3J	10.0MPa		190	\$1	立	10	前	京	37	京	tr.		TOTAL		-	-
H7a3J	16.0MPa		57	577	17	17	17	17	10	-	-	-	-	-	-	-
H23R	Class 150		W	1	10	W.	- 12	41	W.	*	- 17	- 17	4	10	4	ri di
H33R	Class 300		10	577	W.	1/2	17	竹	10	中	de	10	Vr.	-	-	-
H53J	Class 600		☆	拉	*	ric .	- 10	4	42	*	4	3	-	100	11	-
H73J	Class 900		於	10	\$	10	str.	100	10	+	-	-	-	-	-	-

Products perform	ance specificatiion		
Pressure	e grade	1.6~16.0MPa	Class150~900
A01.1 + 1.77 - 2.11 (7.11 + 1.11	Shell test	1.5xPN	1
Test pressure	Sealing test	1.1xPN	
Working	temperature	-46°C-+4	25°C
Working	g Medium	Water, oil	I, natural gas, corrosive medium, etc.

Note: PN is requested pressure for the body material under the 38°C.



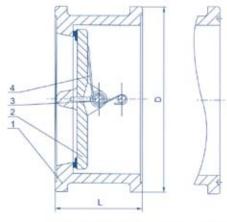


echnical specific	cation	I Light Light
Design Standard	GB/T 12224	API 594
Face to Face	GB/T 12221	API 594 ASME B16.10
Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
Test & Inspection	JB/T 9092	API 598

Om C	of major parts i	materials
No.	Part Name	Material
1	Body	WCB CF8, CF8M, CF8C, CF3, CF3N
2	Disc	WCB CF8, CF8M, CF8C, CF3, CF3M
3	Pin	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
4	Spring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti

ze & weight		17 60			-	310	100	200	1000		1000	PN1	1.0~2.5	MPa
Model						H1a3	R-CC10	CS30						
Pressure							1.0MPa							
Size (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L (mm)	60	67	73	73	86	98	127	146	181	184	191	203	219	222
H (mm)	109	129	144	164	194	220	275	330	380	440	492	542	597	698
Weight (Kg)	2	3	4.2	6.2	7.5	11.5	20.2	31	48.2	72.5	104.5	151	180	300
Model						H2a3	R-CC10	CS30						
Pressure							1.6MPa	ia.						
Size (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L (mm)	60	67	73	73	86	98	127	146	181	184	191	203	219	222
H (mm)	109	129	144	164	194	220	275	332	387	447	498	558	620	734
Weight (Kg)	2	3	4.2	6.2	7.5	11.5	20.2	32	51	73	108	160	200	320
Model						НЗа	BR-CC10,	CS30						
Pressure							2.5MPa							
Size (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L (mm)	60	67	73	73	86	98	127	146	181	184	191	203	219	222
H (mm)	109	129	144	170	197	227	287	343	403	460	518	568	624	734
Weight (Kg)	2	3	4.2	6.2	9	12.5	23	40	55	82	118	212	240	412





PN4.0, 6.4MMPa

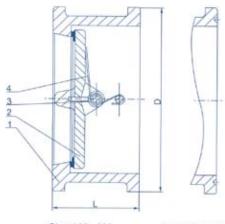
PN≥10.0MPa

echnical specifi	cation	
Design Standard	GB/T 12224	API 594
Face to Face	GB/T 12221	API 594 ASME B16.10
Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
Test & Inspection	JB/T 9092	API 598

orm of	major parts r	naterials
No.	Part Name	Material
1	Body	WCB CF8, CF8M, CF8C, CF3, CF3M
2	Disc	CF8, CF8M, CF8C, CF3, CF3N
3.	Pin	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
4	Spring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti

e & weight	100	60 × 5		800	-110				11000	100	- 9		4	PN4	.0~16.	OMP
Model							H4a3	F-CC1	CS30							
Pressure							4.0M	Pa.								
Size (mm)	50	. 65	80	1	00	125	150	200	250	300	350	40	0	450	500	600
L (mm)	60	67	73		73	86	98	127	146	181	222	23	2	-		-
H (mm)	109	129	144	1 1	70	197	227	293	355	420	478	54	9	-	-	-
Weight (Kg)	3.5	5	7,2		9.3	16	18	30	52	87	121	16	2	-	_	-
Model							H5a3	F-CC1	CS30							
Pressure								6.4MP	а							
Size (mm)	50	65	80	1	00	125	150	200	250	300	350	40	0	450	500	60
L (mm)	60	67	73	4	79	105	136	165	213	229	-			-	-	-
H (mm)	115	140	150	1	77	213	250	313	364	424	-	-		-	377	
Weight (Kg)	3.5	5	7.2		12	22	34	48	77	112	-	-		-	100	-
Model			H6a	3J-C0	:10, C	S30						Н7а3	J-CC1	o, CS3	10	
Pressure				10.0	MPa								16,0M	Pa		
Size (mm)	50	65	80	100	125	150	200	250	300	50	65	80	100	125	150	20
L (mm)	60	67	73	73	105	136	165	213	229	70	83	83	102	110	159	20
H (mm)	122	147	157	183	220	260	324	394	458	143	163	178	210	249	282	35
Weight (Kg)	4	6	8	12	21	34	48	77	112	7	10	15	25	30	43	55





Class150, 300

Class600, 900

echnical specificatio	on
Design Standard	API 594
Face to Face	ASME B16.10
Flanged Ends	ASME B16.5
Test & Inspection	API 598

Form of	maior p	arts ma	terials	
Balliotte and the same of the	beliefed briefeld of	the state of the s	A CONTRACTOR OF THE PARTY OF TH	

No.	Part Name	Material
1	Body	ASTM A216-WCB、ASTM A352-LCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	Disc	ASTM A216-WCB, ASTM A352-LCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
3	Pin	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	Spring	AISI 9260. AISI 6150 ASTM A182-F304. F316. F321. F304L. F316L

ze & we	ight			800			100			III		1 50			- 8	Cla	iss 15	0~90
Model								H2	3R-CC	10. 0	S30							
Class									1	50								
Size	mm	50	65		80	100	125	15	0	200	250	300	350	400	0 4	50	500	600
512.0	in	2	21/	2	3	4	5	- 6		8	10	12	14	16		18	20	24
L(mm)		60	67	HIE	73	73	86	9	В	127	146	181	184	19	1 2	03	219	222
H(mm)		103	123	2	135	173	196	22	2	279	339	409	450	514	4 5	49	606	717
Weight	(Kg)	2	3.2		4	6	9	12	2	22	38	54	80	118	B 2	10	240	410
Model								НЗ	3R-CC	10, C	S30							
Class									3	00								
Size	mm	50		65	- 80	)	100	- 8	125	15	0	200	250		300	3	50	400
NAME OF THE PARTY OF	in	2	- 1	21/2	3		4		5	6	i.	8	10		12	-	4	16
L(mm)		60		67	73	3	73		86	90	В	127	146		181	2	22	232
H(mm)		110		129	14	8	180		215	25	0	307	361		422	4	85	539
Weight (	(Kg)	3.5		5	7		10		8.5	15	9	33	54		88	1	28	169
Model				H	53J-C0	C10, C	S30							H7:	3J-CC	10, C	S30	
Class					6	300									90	00		
Size	mm	50	65	80	100	125	150	200	250	300	350	400	50	65	80	100	150	200
GIZE	in	2	21/2	3	4	5	6	8	10	12	14	16	2	21/2	3	4	6	8
L(mm)		60	67	73	79	105	136	165	213	229	273	305	70	83	83	102	159	206
H(mm)		110	129	148	192	240	265	319	399	456	489	562	142	164	167	205	288	358
Weight (	Ka)	3.5	5	7	12	22.5	35	45	77	110	135	163	6.5	9	14	24	43	56





#### PRODUCTS DESIGN FEATURES

Wafer & Piston-Lift Type Check Valves are used in all Kinds of pipes under the pressure of PN 1.0-16.0Mpa and working temerature of -196-425 $^{\circ}$ C of class 150-900. They are mainly used to prevent the reverse flux of the media. The main structure features are:

Main structural features:

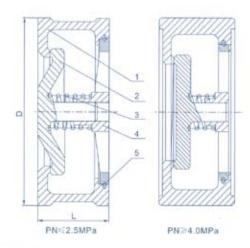
- 1. Short length, small volume and light weight.
- 2. Hard material welded sealing surface, which is wearing resistant, erosion proof, abrasion proof and long-lived.
- 3. With a small starting pressure, the valve discs can be fully opened under a very small pressure difference.
- 4. Fast discs closing and small water hammer pressure.
- 5. Convenient installation and applicability on both level and vertical pipes.
- Different materials for the parts, sizes and forms of the valves surfaces are available for free combination according to the working facts and the customer's requirements.

		Nominal size (mm/in)												
Model	Pressure	DN	15	20	25	32	40	50	65	80	100	125	150	
H1a3R 1.0MPa	NPS	1/2	3/4	1	11/4	11/2	2	21/2	3	4	5	6		
H1(2)a3AR	1,0/1,6MPa		17	- 17	育	章	☆	会	÷.	会	介	竹	常	
H3a3AR	2.5MPa		32	str.	str	立	4	立	幸	台	#	W.	敦	
H4a3AF	4.0MPa		17	软	章	立	台	☆	台	立	मे	拉	前	
H5a3AF	6.4MPa		inte.	str.	中	育	107	32	中	中	京	市	童	
Н6вЗАЈ	10.0MPa		京	str	- 17	京	- 52	\$	中	17	st.	de	中	
H7a3AJ	16.0MPa		並	17	100	17	tr.	str.	中	立	32	市	幸	
H23AR	Class 150		17	17	11	th.	17	10	tt.	#	弁	竹	中	
H33AR	Class 300		12	立	- 0	- 17	-	#	ti.	台	#	市	弁	
H53AJ	Class 600		172	4	100	並	rir	京	介	☆	\$7	str	1/2	
H73AJ	Class 900		# 11	1 W	京	**	4	4	dr.	市	*	- 1	4	

Products perform	ance specificatiion		- 100 - 100 Oct 100 - 100 - 100 C			
Pressur	e grade	1.6~16.0MPa	Class150~900			
	Shell test	1.5xP1	N.			
Test pressure	Sealing test	1.1xP1				
Workin	g temperature	-46°C+4	25°C			
Workin	g Medium	Water, o	il, natural gas, corrosive medium, etc.			

Note: PN is requested pressure for the body material under the 38°C.



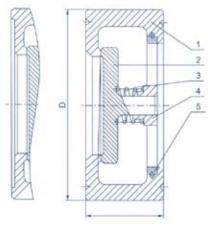


Technical specification	n
Design Standard	GB/T 12224
Face to Face	GB/T 15188.2
Flanged Ends	JB/T 79
Test & Inspection	JB/T 9092

No.	Part Name	Material
1	Body	WCB CF8, CF8M, CF8C, CF3, CF3N
2	Disc	WCB CF8, CF8M, CF8C, CF3, CF3M
3	Spring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
4	Plate	WCB CF8, CF8M, CF8C, CF3, CF3M
5	Lockring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti

Size & weight	-300	Section 1		THE REAL PROPERTY.	70000	THE REAL PROPERTY.	N - 10	7000000	-000	PN1.0~4	.0MPa
Model				Н	1(2)a3,R-C	C10, CS30	)				
Pressure					1,0, 1.	.6MPa					
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	16	19	22	28	31.5	40	46	50	60	90	106
H (mm)	53	63	73	84	94	109	129	144	164	194	220
Weight (Kg)	0.15	0.25	0.4	0.55	0.75	1.2	2.0	2.6	5.7	10	13
Model					H3a3 <sub>x</sub> R-CC	10, CS30					
Pressure					2.5N	//Pa					
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	16	19	22	28	31.5	40	46	50	60	90	106
H (mm)	53	63	73	84	94	109	129	144	170	197	220
Weight (Kg)	0.2	0.3	0.45	0.6	0.8	1.2	2.3	3.0	7.0	12	13
Model					H4a3 <sub>A</sub> F-CC	10, CS30					
Pressure					4.0N	//Pa					
Size (mm)	15	-20	25	32	40	50	65	80	100	125	150
L (mm)	25	31.5	35.5	40	45	60	63	71	80	110	125
H (mm)	63	74	84	90	105	115	140	150	177	213	250
Weight (Kg)	0.3	0.4	0.6	1.0	1.5	2.0	3.2	7.2	11	18	22





PN6.4MPa

PN≥10.0MPa

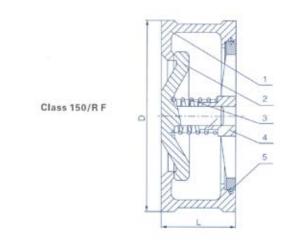
Technical specification	
Design Standard	GB/T 12224
Face to Face	GB/T 15188.2
Flanged Ends	JB/T 79
Test & Inspection	JB/T 9092

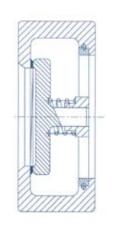
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

orm o	orm of major parts materials										
No.	Part Name	Material									
1	Body	WCB CF8, CF8M, CF8C, CF3, CF3N									
2	Disc	WCB CF8, CF8M, CF8C, CF3, CF3N									
3	Spring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti									
4	Plate	WCB CF8, CF8M, CF8C, CF3, CF3N									
5	Lock ring	4Cr13, 60Si2Mn 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti									

e & weight	23000				198		-	- 43		PN6.4~16	.OMPa
Model					H5a3 <sub>x</sub> F-C	C10, CS30					
Pressure					6.4	ИРа					
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	25	31.5	35.5	40	45	56	63	71	80	110	125
H (mm)	63	74	84	90	105	115	140	150	177	213	250
Weight (Kg)	0.3	0.4	0.6	1.0	1.5	2.0	3.2	7.2	11	18	22
Model					H6a3 <sub>A</sub> J-C	C10, CS30					
Pressure					10.0	MPa					
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	25	31.5	35.5	40	45	56	63	71	80	110	125
H (mm)	63	74	84	90	105	122	147	157	183	220	260
Weight (Kg)	0.3	0.4	0.6	1.0	1.5	2.2	3.5	7.5	12	18	24
Model					H7a3 <sub>A</sub> J-C	C10, CS30					
Pressure					16.0	MPa					
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	25	31.5	35.5	40	45	56	63	71	80	110	125
H (mm)	59	70	80	93	101	143	163	178	210	249	282
Weight (Kg)	0.3	0.4	0.6	1.0	1.5	22	3.5	7.5	12	19	24







Class 300/R F Class 600、900/RTJ

Technical specification	
Design Standard	API 594
Face to Face	ASME B16.10
Flanged Ends	ASME B16.5
Test & Inspection	API 598

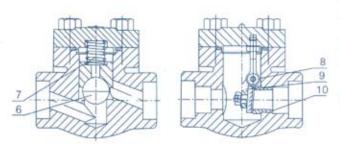
orm	of major p	arts materials
No.	Part Name	Material
1	Body	ASTM A216-WCB, ASTM A352-LCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	Disc	ASTM A216-WCB. ASTM A352-LCB ASTM A351-CFB, CFBM, CFBC, CF3, CF3M
.3	Spring	AISI 9260, AISI 6150 ASTM A182-F304, F316, F321, F304L, F316L
4	Plate	ASTM A216-WCB, ASTM A350-LF2 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
5	Lockring	AISI 9260. AISI 6150 ASTM A182-F304, F316, F321, F304L, F316L

Model				Н	23AF	R-CC1	0, 0	S30								H	33AR	-CC1	0, CS	30			
Class							150											300	i.				
Size	mm	15	20	25	32	40	50	65	80	100	125	150	15	20	25	32	40	50	65	80	100	125	15
Size	in	1/2	3/4	1	11/4	11/2	2	2 1/2	3	4	5	6	1/2	3/4	1	11/4	11/2	2	2 1/2	3	4	5	6
L(mm)		16	19	22	28	31.5	40	46	50	60	90	106	25	31.5	35.5	40	45	56	63	71	80	110	12
H(mm)		47	57	66	75	85	103	122	135	173	196	222	53	65	72	81	95	110	129	148	180	215	25/
Weight (	(Kg)	0.2	0.3	0.45	0.6	0.8	1.2	2.3	3.0	7.0	12	15	0.23	0.36	0.52	0.75	1.1	1.95	2.9	5.5	9.0	15	20

Model				H5	3AJ-	-CC1	0, C	S30								Н	73AJ	-CC1	0, C	530			
Class						-	600											900					
Size	mm	15	20	25	32	40	50	65	80	100	125	150	15	20	25	32	40	50	65	-80	100	125	150
OiLo	in	1/2	3/4	1	11/4	11/2	2	2 1/2	3	4.	5	6	1/2	3/4	-11	11/4	11/2	2	2 1/2	3	4	5	6
L(mm)		25	31.5	35.5	40	45	56	63	71	80	110	125	25	31.5	35.5	40	45	56	63	71	80	110	125
H(mm)		53	65	72	81	95	110	129	148	192	240	265	63	69	78	88	98	142	164	167	205	247	288
Weight (	Ka)	0.25	0.38	0.55	0.8	1.2	2.0	2.0	6.0	10	17	22	0.3	0.4	0.6	1.0	1.5	2.5	4.0	8.0	13	20	25

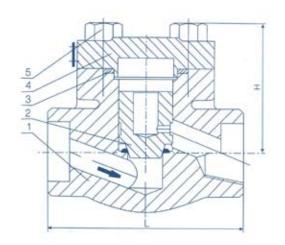


# FORGED STEEL CHECK VALVE



chnical specification	
Structural Formation	BC-SWING, BC-PISTON-LIFT
Design Standard	ASME B16.34、BS 5352
Thread Ends	ASME B1.20.1
Socket Welded Ends	ASME B16.11
Test & Inspection	API 598

Form of major parts materials

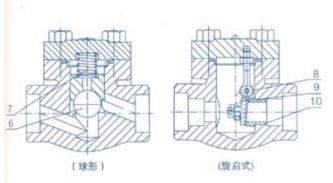


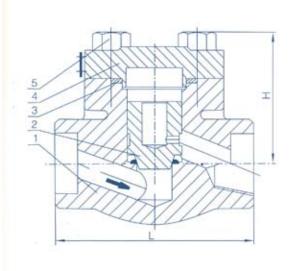
No.	Part Name	Material
1	Body	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
2	Disc	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	Gasket	Graphite & stainless steel
4	Bonnet	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
5	Bolt	ASTM A193-B7、A320-B8、A193-B8M A193-L7
6	Ball	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
7	Spring	AISI 9260、AISI 6150 ASTM A182-F304、F316、F321、F304L、F316L
8	Pin	ASTM A182-F6a、ASTM A182-F22 ASTM A182-F304、F316、F321、F304L、F316L
9	Arm	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	Seat	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L

Construction (City	VEIGHT						Oil	ass 1500
Model			H81S(T)FS-C10	, H81S(T)FS-				
Ci	ass				1500		2.0.112	
Size	Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	
OIL O	Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2
L (mm)		111	111	120	140	140	160	220
H (mm)		79	79	96	105	120	140	160
We	ight(Kg)	3.3	3.6	4.3	6.0	8.7	12.5	16.0
Model		H82	S(T)FS-C10, I					
C	ass				2500			
Size	Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	
3126	Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2
L (	mm)	111	111	130	150	172	220	130
Н (	mm)	79	79	96	105	120	140	160
We	ight(Kg)	3.0	3.5	4.7	7.0	10.5	14.5	16.8



# FORGED STEEL CHECK VALVE





echnical specification	STREET, SQUARE, SALES
Structural Formation	BC-SWING, BC-PISTON-LIFT
Design Standard	ASME B16.34、BS 5352
Thread Ends	ASME B1.20.1
Socket Welded Ends	ASME B16.11
Test & Inspection	API 598

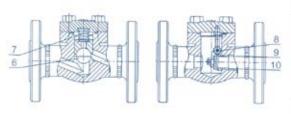
No.	Part Name	Material
1	Body	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
2	Disc	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Gasket	Graphite & stainless steel
4	Bonnet	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
5	Bolt	ASTM A193-B7、A320-B8、A193-B8M A193-L
6	Ball	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
7	Spring	AISI 9260, AISI 6150 ASTM A350-LF2 ASTM A182-F304, F316, F321, F304L, F316L
8	Pin	ASTM A182-F6a、ASTM A182-F22 ASTM A182-F304、F316、F321、F304L、F316L
9	Arm	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
10	Seat	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L

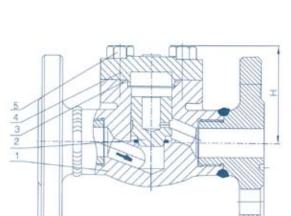
VEIGHT		To day	127 1		-		Class 800
		H61S(T)-C	10. H61S(T)-A	20, H61S(T)-	S30		
ass				800		The Constitution	
Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(1.1/2)	50(2)	
Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
mm)	80	92	111	120	120	140	170
mm)	61	61	78	85	103	119	132
ight(Kg)	1.0	1.1	1.8	3.2	4.5	7.3	9.8
I -		H62S(T)-C10.	H62S(T)-A20	H62S(T)-S30	)		
ass				800			
Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	
Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
mm)	80	92	111	120	152	172	200
mm)	61	61	78	85	103	119	132
ight(Kg)	1.2	1.4	2.5	3.9	5.5	8.9	12.5
	ass  Reduced bore mm(in) Full bore mm(in) mm) mm) ight(Kg)  ass  Reduced bore mm(in) Full bore mm(in) mm) mm)	ass  Reduced bore mm(in) 15(1/2) Full bore mm(in) 10(3/8) mm) 80 mm) 61 ight(Kg) 1.0  ass  Reduced bore mm(in) 15(1/2) Full bore mm(in) 10(3/8) mm) 80 mm) 61	#61S(T)-C  ass  Reduced bore mm(in) 15(1/2) 20(3/4)  Full bore mm(in) 10(3/8) 15(1/2)  mm) 80 92  mm) 61 61  ight(Kg) 1.0 1.1  #62S(T)-C10  ass  Reduced bore mm(in) 15(1/2) 20(3/4)  Full bore mm(in) 10(3/8) 15(1/2)  mm) 80 92  mm) 61 61	H61S(T)-C10、H61S(T)-A  ass  Reduced bore mm(in) 15(1/2) 20(3/4) 25(1)  Full bore mm(in) 10(3/8) 15(1/2) 20(3/4)  mm) 80 92 111  mm) 61 61 78  ight(Kg) 1.0 1.1 1.8  H62S(T)-C10、H62S(T)-A20、  ass  Reduced bore mm(in) 15(1/2) 20(3/4) 25(1)  Full bore mm(in) 10(3/8) 15(1/2) 20(3/4)  mm) 80 92 111  mm) 61 61 78	H61S(T)-C10, H61S(T)-A20, H61	H61S(T)-C10, H61S(T)-A20, H61S(T)-S30   800	H61S(T)-C10、H61S(T)-A20、H61S(T)-S30  ass  Reduced bore mm(in) 15(1/2) 20(3/4) 25(1) 32(11/4) 40(11/2) 50(2)  Full bore mm(in) 10(3/8) 15(1/2) 20(3/4) 25(1) 32(11/4) 40(11/2)  mm) 80 92 111 120 120 140  mm) 61 61 61 78 85 103 119  ight(Kg) 1.0 1.1 1.8 3.2 4.5 7.3  H62S(T)-C10、H62S(T)-A20、H62S(T)-S30  ass  Reduced bore mm(in) 15(1/2) 20(3/4) 25(1) 32(11/4) 40(11/2) 50(2)  Full bore mm(in) 10(3/8) 15(1/2) 20(3/4) 25(1) 32(11/4) 40(11/2) 50(2)  Full bore mm(in) 80 92 111 120 152 172  mm) 80 92 111 120 152 172  mm) 61 61 61 78 85 103 119





### **FORGED STEEL CHECK VALVE**





#### **Technical specification** Structural Formation BC-SWING, BC-PISTON-LIFT ASME B16.34, BS 5352 Design Standard Structural Length ASME B16.10 Flanged Ends ASME B16.5 **Test & Inspection** API 598

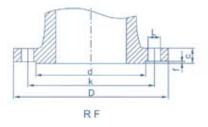
#### Form of major parts materials

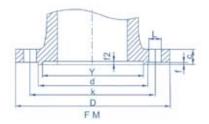
No.	Part Name	Material
1	Body	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
2	Disc	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Gasket	Graphite & stainless steel
4	Bonnet	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
5	Bolt	ASTM A193-B7、A320-B8、A193-B8M A193-L7
6	Ball	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316
7	Spring	AISI 9260. AISI 6150 ASTM A182-F304. F316. F321. F304L. F316L
8	Pin	ASTM A182-F6a. ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
9	Arm	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	Seat	ASTM A105 ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L

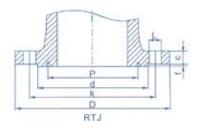
SIZE & WEIGH						Class	150、300、600
Model			H21(2)R(	J) -C10, H21(2)F	R(J)-A20, H21(2	2)R(J)-S30	
Clas	is	1.500000		1.5	50		
Size mr	n(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2) 7	50(2)
L (mm)	RF	108	117.5	127	140	165	203
	RTJ	119	130	140	153	178	216
H (m	m)	60	60	76	85	103	118
Weight (1-1	I. ■)(Kg)	2.5(2.5)	3.3(3.4)	4.8(4.4)	7.0(8.2)	7.5(8.9)	11.0(12.5)
Model			H31(2)R(	J) -C10, H31(2)P	The state of the s	The state of the s	111111111111111111111111111111111111111
Clas	S			30	00		
Size mr	n(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
L (mm)	RF	152.5	178	203	216	228.5	266.5
£ (111111)	RTJ	163.5	191	216	229	241	282
H (m		60	60	76	85	103	118
Weight (1-1	- <b>I</b> I)(Kg)	2.5(2.7)	3.5(3.5)	5.0(4.8)	7.5(8.8)	7.9(9.8)	
Model			2121200000000	J) -C10, H51(2)R			11.0(10.0)
Clas	S			50			
Size mn	n(in)	15(1/2)	* 20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
1 (mm)	RF	165	191	216	229	241	292
L (mm)	RTJ	163.5	190.5	216	229	241	295
H (m	m)	60	60	76	85	103	118
Weight (1-1)	- II)(Kg)	2.8(3.0)	4.2(4.1)	5.2(5.8)	7.7(9.5)	9.3(10.0)	13.2(15.5)



## **INTEGRAL STEEL PIPE FLANGE**



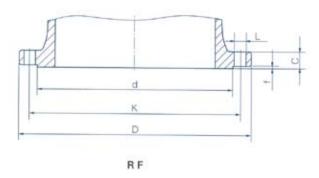


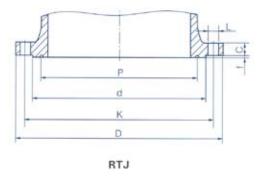


				PN1.6MPa	RE									PN2.5MPa	RE				
DNI		-				Y1.				DEL	-					T1.			-
DN	D	ŀ	T		Bolt)n-	7,72	d	f	С	DN	D	K		157	olt)n-		d	f	(
50	165		25		-M16		00	3	16	50	165				M16		99	3	2
65	185				-M16		20	3	18	65	185				M16		118	3	2
80	200		60		-M16		35	3	20	80	200				M16		132	3	2
100	220		30		-M16		55	3.	20	100	230				M20		156	3	2
125	250				-M16		85	3	22	125	270				M24		184	3	2
150	285	24	0	23 8	-M20	2	210	3	24	150	300	25	0	26 8-	M24	THE S	211	3	3
200	340	29	95	23 1	2-M20	2	265	3	26	200	360	31	0	26 12-	-M24		274	3	3
250	405	3	5.	26 1	2-M24	3	120	3	30	250	425	37	0 :	30 12-	-M27	- 1	330	3	3
300	460	4	10	26 1	2-M24	3	375	4	30	300	485	43	0	30 16-	-M27	- 10	389	4	4
350	520	4	70	26 1	6-M24	- 4	35	4	34	350	555	49	0	34 16-	-M30		448	4	4
400	580	52	25	30 1	6-M27	4	85	4	36	400	620	55	0	36 16-	-M33	1	503	4	4
450	640	58	35	30 2	0-M27		45	4	40	450	670	60	0	36 20-	-M33	1	548	4	- 5
500	715	68	50	30 2	0-M30	6	808	4	44	500	730	66	0.	36 20-	-M33	-	609	4	5
N4.	0、6.	ЗМР	a F	M J	B/T 7:	9.2			-10	1116	500	1775		THE RESERVE		BI	5000		
				PN4.0MPa	FM									PN6.3MPa	FM				
DN	D	K	L	(Bolt)n-	Th d	Υ	f	f2	С	DN	D	K	L	(Bolt)n-Th	d	Υ	f	f2	
50	165	125	18	4-M16	100	88	3	4	20	50	180	135	23	4-M20	105	88	3	4	2
65	185	145	18	8-M16	120	110	3	4	22	65	205	160	23	8-M20	130	110	3	4	2
80	200	160	18	8-M16	125	121	3	4	22	80	215	170	23	8-M20	140	121	3	4	3
100	235	190	23	8-M20	160	150	3	4.5	24	100	250	200	26	8-M24	168	150	3	4.5	3
125	270	220	26	8-M24	188	176	3	4	28	125	295	240	30	8-M27	202	176	3	4.5	3
150	300	250	26	8-M24	218	204	3	4	30	150	345	280	34	8-M30	240	204	3	4.5	3
200	375	320	30	12-M27	282	260	3	4	38	200	405	345	36	12-M33	300	260	3	4.5	4
250	450	385	34	12-M30	345		3	4	42	250	470	400	36	12-M33	352	313	3	4.5	4
300	515	450	34	16-M30	408		4	4	46	300	530	460	36	16-M33	412	364	4	4.5	5
350	580	510	36	16-M33	465		4	5	52	350	600	525	41	16-M36	475	422	4	5	6
400	660	585	41	16-M36	535		4	5	58	400	670	585	42	16-M39	525	474	4	5	6
450	685	610	41	20-M36	560		4	5	60	450	-	-	-	.0-11103	72.0	-		-	
500	755	670	42	20-M39	612		4	5	62	500	800	705	48	20-M45	640	576	4	5	7
N10	.0、1	6.01	ЛРа	RTJ	JB	/T 79	0.4		-	MINE CO.		-		ALC: NO.					
Madada		Authbald	No principal line	PN10.0MPa	2200	Albania.								PN16.0MPa	RTJ	_			
DN	D	К	L	(Bolt	n-Th	d	Р	f	С	DN	D	К	L	(Bolt)n-	-Th	d	Р	f	(
50	195	145	26	3 4-M	24	112	85	8	28	50	215	165	25	8-M22	2	132	95	8	3
65	220	170	26	8-M	24	138	110	8	32	65	245	190	30	8-M27		152	110	8	4
80	230	180	26			148	115	8	34	80	260	205	30	8-M27		168	130	8	4
100	265	210				172	145	8	38	100	300	240	34	8-M30	)	200	160	8	- 4
125	315	250				210	175	8	42	125	355	285	41	8-M36		238	190	8	6
150	355	290				250	205	8	46	150	390	318	41	12-M36		270	205	10	6
200	430	360				312	265	8	54	200	480	400	48	12-M42		345	275	11	7
250	505	430				382	320	8	60	250	580	485	54	12-M4		425	330	11	8
300	585	500				442	375	8	70	300	665	570	54	16-M48		510	380	11	1
	See Bell des		. 40	16-N	1000	AT 15 12	8 / Pa	341											



# **INTEGRAL STEEL PIPE FLANGE**





CLAS	S 150	RF			TO STATE OF										
NPS	1/2	3/4	1	11/4	11/2	2	21/2	3	4	6	8	10	12	14	16
D	90	100	110	120	130	152	178	190	229	279	343	406	483	533	597
K	60.5	70	79.5	89	98.5	120.5	139.5	152.5	190.5	241.5	298.5	362	432	476	540
L	16	16	16	16	16	18	18	18	18	22	22	26	26	29	29
n-Th	4-M14	4-M14	4-M14	4-M14	4-M14	4-M16	4-M16	4-M16	8-M16	8-M20	8-M20	12-M24	12-M24	12-M27	16-M27
d	35	43	51	63.5	73	92	105	127	157	216	270	324	381	413	470
f	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
·C	10	10	11.5	13	14.5	16	18	19	24	26	29	31	32	35	37

	SS 300						-	_				-	1000		
NPS	1/2	3/4	1	11/4	11/2	2	21/2	3	4	6	8	10	12	14	16
D	90	120	125	135	155	165	190	210	254	318	381	445	521	584	648
K	66.5	82.5	89	98.5	114.5	127	149	168.5	200	270	330	387.5	451	514.5	571.5
L	16	18	18	18	22	18	22	22	22	22	26	29.5	32.5	32.5	35
n-Th	4-M14	4-M16	4-M16	4-M16	4-M20	8-M16	8-M20	8-M20	8-M20	12-M20	12-M24	16-M27	16-M30	20-M30	20-M33
d	35	43	5.1	63.5	73	92	105	127	157	216	270	324	381	413	470
+	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
С	14.5	16	17.5	19.5	21	23	26	29	32	37	42	48	51	54	58



NPS	2	21/2	3	4	6	8	10
D	165	190	210	275	355	420	510
K	127	149	168.5	216	292	349	432
L	18	22	22	26	29.5	32.5	35.5
n-Th	8-M16	8-M20	8-M20	8-M24	12-M27	12-M30	16-M33
d1	108	127	146	175	241	302	356
P	82.55	101.6	123.825	149.225	211,138	269.876	323.851
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9
C1	25.5	29	32	38.5	48	55.5	63.5

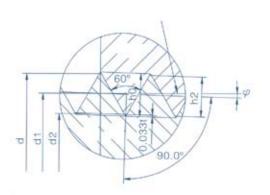
ASS 900	RIJ		-	-				
NPS	2	21/2	3	4	6	8	10	
D	216	244	241	292	381	470	545	
K	165.1	190.5	190.5	234.9	317.5	393.7	469.9	
L	26	29.5	26	32.5	32.5	39	39	
n-Th	8-M24	B-M27	8-M24	8-M30	12-M30	12-M36×3	16-M36×3	
d1	124	137	156	181	214	308	362	
P	95.25	107.95	123.82	149.22	211.12	269.88	323.85	
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9	
C1	38.5	41.5	38.5	44.5	56	63.5	70	

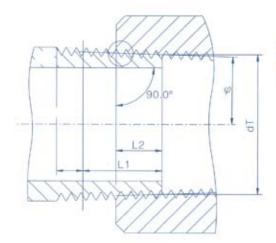
ASS 150	0 RTJ			12 - 2	100000000000000000000000000000000000000	and the same of	0000
NPS	2	21/2	3	4	6	8	10
D	216	244	265	310	395	485	585
K	165.1	190.5	203	241.5	317.5	393.7	482.5
L	26	29.5	32.5	35.5	39	45	51
n-Th	8-M24	8-M27	8-M30	8-M33	12-M36×3	12-M42×3	16-M48×
d1	124	137	168	194	248	318	371
Р	95.25	107.95	136.52	161.92	211.12	269.88	323.85
f1	7.9	7.9	7.9	7.9	9.52	11.13	11.13
C1	38.5	41.5	48	54	83	92	108

LASS 250	0 RTJ			No. of Lot, House, St. Lot, House, St. Lot, House, St. Lot, House, St. Lot, House, Lot, Ho	SET LOS	- 20 m	Marie M
NPS	2	21/2	3	4	6	8	10
D	235	265	305	355	485	550	675
K	171.5	197	228.5	273	368.5	438	539.5
L.	29.5	32.5	35.5	42	55	55	68
n-Th	8-M27	8-M30	8-M33	8-M39×3	8-M52×3	12-M52×3	16-M64×3
d1	133	149	168	203	279	340	425
P	101.6	111.12	127	157.18	228.6	279.4	342.9
f1	7.92	9.52	9.52	11.13	1.7	14.27	17.48
C1	51	57.5	57.5	76.5	108	127	165.5



### **TABLES**



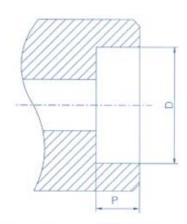


H0=0.866t h2=0.8t  $\varphi$  =1° 47'24" 2tg $\varphi$ =1:16

### NATIONAL TAPER PIPE THREAD

### ASME B1.20.1

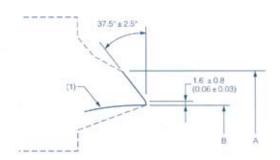
Nomi	inal size	Threads Per Inch	Pitch of thread	Thread length DIA.at reference surface		Boot DIA.of the pipe thread	Height			
in	mm	n	р	L1	L2	d	d1	d2	dT	h1
3/8	10	18	1.411	10.5	6.096	17.055	15.926	14.797	14.416	1.129
1/2	15	14	1.814	13.5	8.128	21.223	19.772	18.321	17.813	1,451
3/4	20	14	1.814	14	8.611	26.568	25.117	23.666	23.128	1.4851
1	25	11-1/2	2.209	17.5	10.160	33.228	31.461	29.694	29.059	1.767
11/4	32	11-1/2	2.209	18	10.668	41.985	40.218	38.451	37.784	1.767
11/2	40	11-1/2	2.209	18.5	10.668	48.054	46.287	44.520	43.853	1.767
2	50	11-1/2	2.209	19	11.074	60.092	58.325	56.558	55.866	1.767

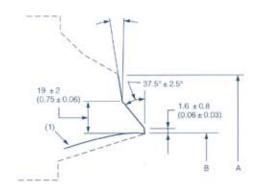


SOCKET WELD	ED ENDS			18 18	5 8400		A	SME B16.11
	in	3 /8	1/2	3 /4	1	11/4	11/2	2
Nominal Size	mm	10	15	20	25	32	40	50



# **BUTT-WELDING ENDS**



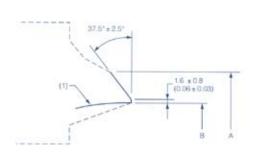


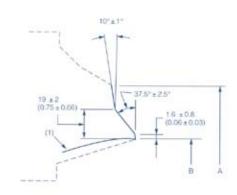
Pipe nominal specifi- cation (DN)	Series of pipe schedule thikness [Note(1)]	Welded-end out diameters				
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A	В	C[Note(3)]	t
	40	73.0	75	62.5	662.93	5.16
	80	73.0	75	59	59.69	7.01
65	160	73.0	75	54	55.28	9.35
	XXS	73.0	75	45	47.43	14.02
	40	88.9	91	78	78.25	5.49
nn.	80	88.9	91	73.5	74.53	7.62
80	160	88.9	91	66.5	68.38	11.13
	XXS	88.9	91	58.5	61.19	15.24
90	40	101.6	105	90	90.52	5.74
30	80	101.6	105	85.5	86.42	8.08
	40	114.3	117	102	102.73	6.02
	80	114.3	117	97	98.28	8.56
100	120	114.3	117	92	93.78	11,13
	160	114,3	117	87.5	89.65	13.49
	XXS	114.3	117	80	83.30	17.12
	40	141.3	144	128	128.80	6.55
	80	141.3	144	122	123.58	9.3
125	120	141.3	144	116	118.04	12.70
	160	141.3	144	109.5	112.47	15.88
	XXS	141.3	144	103	106.92	19.05
	40	168.3	172	154	154.82	7.11
	80	168.3	172	146.5	148.06	10.97
150	120	168.3	172	140	142.29	14.27
	160	168.3	172	132	135.31	18.26
	XXS	168.3	172	124.5	3 106.92 4 154.82 .5 148.06 0 142.29 2 135.31 .5 128.85	21,95
	40	219.1	223	203	203.75	8.18
	60	219.1	223	198.5	200.02	10.31
	80	219.1	223	193,5	195.84	12.70
200	100	219.1	223	189	191.65	15.09
200	120	219.1	223	182.5	186.11	18.26
	140	219.1	223	178	181.98	20.62
	XXS	219.1	223	174.5	179.16	22.23
	160	219.1	223	173	177.79	23.01
	40	273.0	278	254.5	255.74	9.27
	60	273.0	278	247.5	249.74	12.70
250	80	273.0	278	243	245.55	15.09
	100	273.0	278	236.5	240.01	18.26
	120	273.0	278	230	234,44	21.44
	140	273.0	278	222	227.51	25.40
	160	273.0	278	216	221.95	28.58

Pipe nominal specifi- cation (DN)	Series of pipe schedule thikness [Note(1)]	Welded-end out diameters				
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A	В	C[Note(3)]	t
	STD	323.8	329	305	306.08	9.53
	40	323.8	329	303	304.72	10.31
	XS	323.8	329	298.5	300.54	12.70
	60	323.8	329	295	297.79	14.27
200	80	323.8	329	289	292.17	17,48
300	100	323.8	329	281	285.24	21.44
	120	323.8	329	273	278.31	25.40
	140	323.8	329	266.5	272.75	28.58
	160	323.8	329	257	264.45	33.32
	STD	355.6	362	336.5	337.88	9.53
	40	355.6	362	333.5	335.08	11.13
	XS	355.6	362	330	332.34	12.70
350	60	355.6	362	325.5	328.15	15.09
	80	355.6	362	317.5	321.22	19.05
	100	355.6	362	308	312.86	23.83
	120	355.6	362	300	305.93	27.79
	140	355.6	362	292	299.00	31.75
	160	355.6	362	284	292.07	35.71
	STD	406.4	413	387.5	388.68	9.53
	40	406.4	413	381	383.14	12.70
	60	406.4	413	373	376.21	16.66
400	80	406.4	413	363.5	367.84	21.44
400	100	406.4	413	354	359.53	26,19
	120	406.4	413	344.5	351.18	30.9€
	140	406.4	413	333.5	341.43	36.53
	160	406.4	413	325.5	334.50	40.49
	STD	457.2	464	438	439.48	9.53
	40	457.2	464	432	433.94	12.70
	XS	457.2	464	428.5	431.19	14.27
	60	457.2	464	419	422.82	19.05
450	80	457.2	464	409.5	414.46	23.83
	100	457.2	464	398.5	404.78	29.36
	120	457.2	464	387.5	395.03	34.93
	140	457.2	464	378	386.77	39.67
	160	457.2	464	366.5	376.99	45.24



### **BUTT-WELDING ENDS**





Pipe nominal specifi- cation (DN)	Series of pipe schedule thikness [Note(1)]	Welded-end out diameters				
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A	В	C[Note(3)]	t
	STD	508.0	516	489	490.28	9.53
	XS	508.0	516	482.5	484.74	12.70
	40	508.0	516	478	480.55	15.09
	60	508.0	516	467	470.88	20.62
500	80	508.0	516	455.5	461.13	26.19
ACRES .	100	508.0	516	443	450.02	32.54
	120	508.0	516	432	440.29	38.10
	140	508.0	516	419	429.17	44,45
	160	508.0	516	408	419.44	50.01
	STD	558.8	567	539	541.08	9.53
	XS	558.8	567	533	535.54	12.70
	60	558.8	567	514	518.86	22.23
550	80	558.8	567	501	507.75	28.58
500	100	558.8	567	488.5	496.63	34.93
	120	558.8	587	478	485.52	41.28
	140	558.8	567	463	474.41	47.63
	160	558.8	567	450.5	463.30	53.98
	STD	609.6	619	590.5	591.88	9.53
	XS	609.6	619	584	586.34	12.70
	30	609.6	619	581	583.59	14.27
	40	809.6	619	574.5	577.97	17.48
600	60	609.6	619	560.5	565.49	24.61
	80	609.6	619	547.5	554.38	30.96
	100	609.6	619	532	540:49	38.89
	120	609.6	619	517.5	528.03	46.02
	140	609.6	619	505	516.91	52.37
	160	609.6	619	490.5	504.37	59.54
650	10	660.4	670	645.5	645.50	7.92
000	20	660,4	670	635	637.14	12.70
700	10	711.2	721	695.5	696.30	7.92
	20	711.2	721	686	687.94	12.70
	30	711.2	721	679.5	682.37	15.88
	10	762.0	772	746	747.10	7.92
750	20	762.0	772	736.5	738.74	12.70
	30	762.0	772	730	733.17	15.88
800	10	812.8	825	797	797.90	7.92
	20	812.8	825	787.5	789.54	12.70
	30	812.8	825	781	783.97	15.88
	40	812.8	825	778	781.17	17,48

DN8	50-900					
Pipe nominal specifi- cation (DN)	Series of pipe schedule thikness [Note(1)]	Welded-end out diameters				
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A	В	C[Note(3)]	t
	10	863.6	876	848	848,70	7.92
200	20	863.6	876	838	840.34	12.70
850	30	863.6	876	832	834.77	15.88
	40	863.6	876	828.5	848.70 840.34	17.48
	10	914.4	927	898.5	889.50	7.92
900	20	914.4	927	889	891.14	12.70
	30	914.4	927	882.5	885.57	15.88
	40	914.4	927	876.5	880.02	19.05

Note:(1)Characters stand for:

(a)STD=Standard schedule thildness

(b)XS=Thickened

(c)XXS=Super thickened

(2)All the diameters are not required size, just be convenient for users.

(3)Gasket rings for DN50 and below size are not considered to manufactur-



# CHECK VALVE SERIES



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