



FASANI VALVE Srl



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Product Series

On the way of development, FASANI is dedicated "to keep up with advanced technology in valve industry". With mature management system and market-oriented business concept, the company is making continuous efforts in technology innovation and providing considerate service to our customers.

Petrochemical Industry

FASANI provides high quality valves for petrochemical industry: mainly stainless steel Gate, Globe and Check valves.



Oil and Gas Industry

FASANI provides high quality valves for Oil and Gas Industry: Gate, Globe, Check and plug valves in accordance with API, ASME, ASTM, DIN, EN standards.



Pipeline Industry

FASANI also provides valves for long distance pipeline industry, mainly Check Valves, Through Conduit Gate valves and Ball valves.



Power Generation Industry

FASANI supplies valves that satisfy the quality requirements for power generation industry. Products include high temperature and pressure Gate, Globe, Check and Safety valves for power station, as well as low pressure Butterfly, Gate valves for draining etc.



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608-0015

602-0031

ISO9001:2008

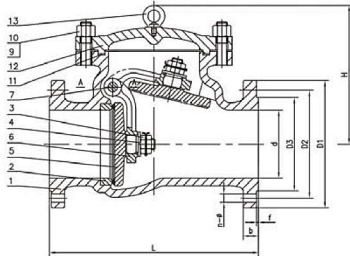
特种设备制造许可证

0496

PRIMARY PRODUCT

API 6D EXTERNAL PIN CHECK VALVE

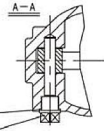
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



SATNDARDS COMPLIANCE:

Basic Design: API 6D
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
Flanged Ends: 2" ~ 24" to ANSI B16.5
> 24 to MSS SP-44

to ANSI B16.34 on request
B. W. Ends to ANSI B16.25
Manufacturing to NACE MR-01-75 on request



Standard Material Specifications

No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM					Stainless Steel to ASTM					
		WC8	LC8	WC6	WC9	C5	CF8	CF8M	CF3	CF3M				
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M				
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22		A182 F304	A182 F316	A182 F304L	A182 F316L				
3	Disc Nut			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L				
4	Disc Washer			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L				
5	Disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M				
6	Hinge	A216 WCB	A332 LCB	A217 WC6	A217 WC9	A217 C5	A351CF8M	A351CF8M	A351CF3	A351CF3M				
7	Hinge Pin			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L				
8	Yoke	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M				
9	Bonnet nut	A194 2H	A194 4		A194 7				A194 8					
10	Bonnet bolt	A193 B7	A30 L7		A193 B16				A193 B8					
11	Gasket			SS Spiral Wound/graphite or SS Spiral Wound/PTFE										
12	Cover	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M				
13	Hook Screw						Steel							
14	Gasket						GB T2							
15	Drain Plug						Carbon Steel							

Other materials (Alloy 20, AISI 321, AISI 347, Monel, Hastelloy, etc) are available on request.



608-0015

602-0031

ISO9001:2008

特种设备制造许可证

0496

PRIMARY PRODUCT

API 6D EXTERNAL PIN CHECK VALVE

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

CLASS150												
CLASS	NPS	d	D1	D2	D3	b	f	L	n-φ	H	Weight(KG)	
150lb	2	49	152	120.5	92	16	1.6	203	4-φ19	130	15	
	2½	62	178	139.5	105	18		216	4-φ19	145	20	
	3	74	190	152.5	127	19		241	4-φ19	160	24	
	4	100	229	190.5	157	24		292	8-φ19	188	38	
	6	150	279	241.5	216	26		356	8-φ22	250	65	
	8	201	343	298.5	270	29		495	8-φ22	380	126	
	10	252	406	362	324	31		622	12-φ25	410	190	
	12	303	483	432	381	32		698	12-φ25	465	290	
	14	334	533	476	413	35		787	12-φ29	510	420	
	16	385	597	540	470	37		864	16-φ29	575	540	
18	436	635	578	533	40	978	16-φ32	620	700			
20	487	699	635	584	43	978	20-φ32	680	810			

CLASS300												
CLASS	NPS	d	D1	D2	D3	b	f	L	n-φ	H	Weight(KG)	
300lb	2	49	165	127	92	23	1.6	267	8-φ10	140	19	
	2½	62	190	149	105	26		292	8-φ22	150	30	
	3	74	210	168.5	127	29		318	8-φ22	185	38	
	4	100	254	200	157	32		356	8-φ22	210	61	
	6	150	318	270	216	37		444	12-φ22	310	114	
	8	201	381	330	270	42		533	12-φ25	385	190	
10	252	445	387.5	324	48	622	16-φ29	432	305			
12	303	521	451	381	51	711	16-φ32	520	454			
14	334	584	514.5	431	54	838	20-φ32	545	660			

CLASS600												
CLASS	NPS	d	D1	D2	D3	b	f	L	n-φ	H	Weight(KG)	
600lb	2	49	165	127	92	26	6.4	292	8-φ19	151	24	
	2½	62	190	149	100	29		330	8-φ22	165	39	
	3	74	210	168	127	32		356	8-φ22	195	45	
	4	100	273	216	157	38		432	8-φ25	270	91	
	6	150	356	292	216	48		559	12-φ29	365	190	
	8	201	419	349	270	56		660	12-φ32	420	343	
10	252	508	432	324	64	787	16-φ35	505	618			
12	303	559	489	381	67	838	30-φ35	602	780			

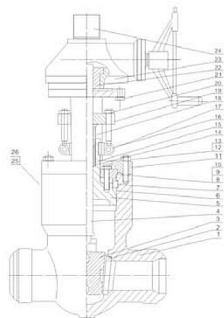


特种设备制造许可证 0456

PRIMARY PRODUCT

Pressure Seal Gate Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Size Range: 1-22"

Sealing Code	Body Seal Surface Part No.2	Wedge Seal Surface Part No.3	Stem Part No.4	Backseat Surface Stuffing Box Part No.5
1	F6	F6	F6	F6
2	F304	F304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	F6	F6	F6
9	Monel	Monel	Monel	Monel
10	F316	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20

Standard Material Specifications

Part Name	WC8	WC6	WC9	CS	CF8	CF8M
1 Body	A216 WC8	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
2 Seat	A182 F6a	A182 F22	A182 F22	A182 F5	A182 F304	A182 F316
3 Disc	A216 WC8	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
4 Stem	A182 F6a	SABHN3		A182 F304		A182 F316
5 Stuffing Box	A216 WC8	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
6 Seal Ring	AS1 316L	Flexible Graphite+316				
7 Split Ring	Steel	F6	F6	F6	F304	F316
8 Back Ring	Steel	Steel	Steel	Steel	S.S	S.S
9 Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
10 Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8
11 Yoke	A216 WC8	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
12 Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
13 Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8
14 Packing Plate	AISI410	AISI 410	AISI 410	AISI 410	AISI 304	AISI 316
15 Packing	Flexible Graphite(Braided and Ring) or PTFE					
16 Split Pin	Steel	Steel	Steel	Steel	Steel	Steel
17 Eyebolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
18 Gland	A182 F6	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316
19 Gland Flange	A105	A105	A105	A105	A182 F304	A182 F316
20 Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8
21 Stud	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7
22 Stem Nut	NI-resist A439-D2					
23 Gear Box	Purchased					
24 Protector	Steel					
25 Nameplate	AISI 304					
26 Fliver	AISI 304					

Other materials are available on request.

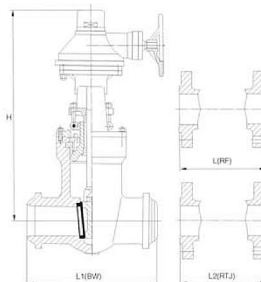


特种设备制造许可证 0456

PRIMARY PRODUCT

Pressure Seal Gate Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



CS & Y, Rising Stem, Flexible Solid Wedge, Welded-in or Threaded Seal Ring

STANDARDS COMPLIANCE:

Basic Design: ANSI B 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flanges ANSI B16.5
B. W. Ends ANSI B 16.25

Test Pressure to API 598

Class	Test Pressure		
	Shell Test (Hydro)	Seat Test (Hydro)	Shell Test (Air)
900	3350psig	2442psig	80psig
1500	5620psig	4078psig	80psig
2500	9275psig	6787psig	80psig

Dimensions(mm) and Weights(kg)

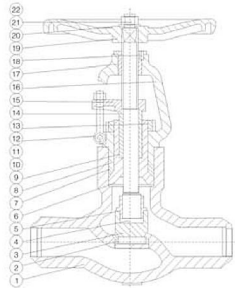
NPS DN	Class	2		3		4		6		8		10		12		14		16		18		20		22		
		50	65	80	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	
L(RF)	900LB	368	419	381	457	610	737	838	965	1039	1130															
	1500LB	368	419	470	546	705	832	991	1130	1257	1394															
L1(BW)	2500LB	451	508	578	673	917	1022	1270																		
	900LB	216	254	305	355	508	600	767	914	991	1092															
L2(RTJ)	1500LB	216	254	305	406	559	711	864	991	1067	1194	1346	1473	1600												
	2500LB	279	330	368	457	610	762	914	1041	1118	1245	1397														
H(Open)	900LB	371	422	384	490	613	740	841	968	1038	1140															
	1500LB	371	422	473	549	711	841	1000	1146	1276	1407															
W	2500LB	454	514	584	683	927	1038	1292																		
	900LB	554	637	680	796	1094	1372	1494	1650	1920	2210															
RF	1500LB	554	637	767	875	1094	1372	1655	1824	2150	2380	2450	2721	2940												
	2500LB	610	654	753	850	1254	1374	1686	1944	2226	2382	2585														
BW	900LB	300	350	350	400	500	600	600	610	610	610	760														
	1500LB	300	450	450	500	500	500	600	610	610	760	760														
Weight	900LB	50	84	92	154	341	622	950	1295	1720	2380															
	1500LB	60	91	128	182	394	705	1370	2120	2800	3870															
Weight	2500LB	121	175	195	229	720	1295	2570																		
	900LB	39	64	82	120	266	524	760	1090	1450	2018															
Weight	1500LB	46	71	85	130	292	587	974	1615	2010	2815	3315	4150	5219												
	2500LB	88	135	144	158	500	892	1550	1978	2590	3780	5988														

*Manual gear operator is recommended

PRIMARY PRODUCT

Pressure Seal Globe Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Size Range: 1-20"
Trim Material To API 600

Seating Code	Body Seat Surface Part No.1	Wedge Seat Surface Part No.2	Stem Part No.4	Dedicated Surface Stuffing Box Part No.5
1	F6	F6	F6	F6
2	F304	F304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	F6	F6	F6
9	Monel	Monel	Monel	Monel
10	F316	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20

Standard Material Specifications

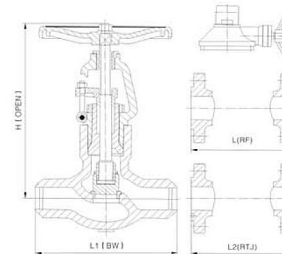
No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM				Stainless Steel to ASTM		
		WC6	WC6	WC9	C5	CF8	CF8M	CF3	CF3M	CF3M
1	Body	A217 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
2	Seat Ring	A105	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	
3	Disc	A105	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	
4	Stem	A182 F6		A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	
5	Disc Nut	A182 F6		A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	
6	Cap	SS Spiral Wound/graphite or SS Spiral Wound/PtFE								
7	Body Seal	Flexible Graphite+316								
8	Adjustment Gasket	F6		F6			F316			
9	Stem Packing									
10	Gland Nut		A194 2H					A194 8		
11	Gland Eyebolt		A194 B7					A193 B8		
12	Pin	Carbon steel or Stainless Steel								
13	Cap Nut	Carbon steel or Stainless Steel								
14	Gland	A182 F6				A182 F304	A182 F316	A182 F304L	A182 F316L	
15	Gland Flange	A216 WCB				A351 CF8				
16	Yoke	A216 WCB				A351 CF8				
17	Stem Nut				A439 D2 or B148-952A					
18	Screw									
19	Handwheel									
20	Name Plate									
21	Washer									
22	Nut									

Other materials are available on request.

PRIMARY PRODUCT

Pressure Seal Globe Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



OS & Y, Rising Stem, Plug Type Disc
Threaded Seat Ring

STANDARDS COMPLIANCE:

Basic Design: ANSI B 16.34
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
Flanged Ends to ANSI B16.5
B. W. Ends to ANSI B16.25

Test Pressure to API 598

Class	Test Pressure		
	Shell Test (P _{max})	Seat Test (P ₂₀)	Seat Test (A ₂)
900	3350psig	2442psig	80psig
1500	5026psig	4078psig	80psig
2500	9275psig	6787psig	80psig

Dimensions(mm) and Weights(kg)

NPS DN	Class	2-1/2		3	4	6	8
		50	65				
L1(BW)	900LB	368	419	381	457	610	737
	1500LB	368	419	470	546	705	832
	2500LB	451	508	578	673	914	1022
	900LB	371	422	394	490	613	740
	1500LB	371	422	473	549	711	841
	2500LB	454	514	584	683	927	1038
L2(RTJ)	900LB	550	605	678	798	930	1280
	1500LB	550	605	866	956	1260	1263
	2500LB	560	720	755	1230	1791	2086
	900LB	350	350	400	450	458	610*
	1500LB	400	400	450	590	610*	610*
	2500LB	400	450	560	310*	610*	760*
W	900LB	78	108	102	142	400	960
	1500LB	85	110	135	230	660	1590
	2500LB	140	168	247	620	1500	3200
	900LB	66	91	87	128	355	868
	1500LB	77	101	122	209	595	1440
	2500LB	100	118	180	438	1148	2594
Weight	RF						
	BW						

Manual gear operator is recommended



ISO 9001

ISO 9001

ISO 9001:2008

特種設備製造許可証

0496



ISO 9001

ISO 9001

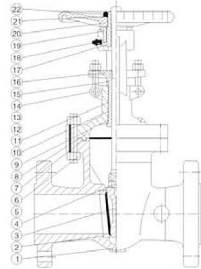
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特種設備製造許可証

0496

Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



OS & Y, Rising Stem, Flexible Solid Wedge Bolted Bonnet, Threaded or Welded Seat Ring Non-Rising Gate Valve

STANDARDS COMPLIANCE:

Basic Design: API600, BS1414
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
End Flange Dimension: 2"–24" to ANSI B16.5, 26"–60" to MSS SP-44, to ANSI B16.47–A on request
B. W. Ends to ANSI B16.25
Manufacturing to NACE MR-01–75 on request

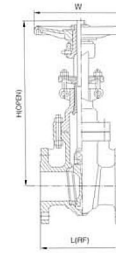
Standard Material Specifications

No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM					Stainless Steel to ASTM			
		WC6	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M		
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M		
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L		
3	Wedge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M		
4	Stem	A182 F6	A182 F6		A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L		
5	Bonnet nut	A194 2H	A194 4		A194 7			A194 8				
6	Bonnet bolt	A193 B7	A320 L7		A193 B16			A193 B8				
7	Gasket	SS Spiral Wound/graphite or SS Spiral Wound PTFE										
8	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M		
9	Backseat bushing	A182 F6	A182 F6		A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L		
10	Stem packing	Graphite or PTFE										
11	Lantern	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L		
12	Gland Nut			A194 2H				A194 8				
13	Gland Eyebolt			A194 B7				A193 B8				
14	PN	Carbon steel or Stainless Steel										
15	Gland			A182 F6			A182 F304	A182 F316	A182 F304L	A182 F316L		
16	Gland Flange		A216 WCB					A351 CF8				
17	Stem Nut	A439 D2 or B148–952A										
18	Nipple	Carbon steel or Stainless Steel										
19	Retaining Nut	Carbon steel										
20	Hand Wheel	Ductile iron or carbon steel										
21	Name Plate	Stainless steel or Aluminum										
22	H. W. Lock Nut	Carbon steel										

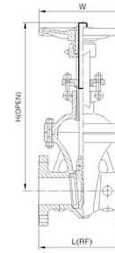
Other materials (Alloy 20, AISI 321, AISI 347, Monel, Hastelloy, etc.) are available on request
Class 150 gate valve is not provided with Lantern

Gate Valve

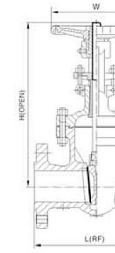
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



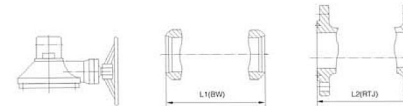
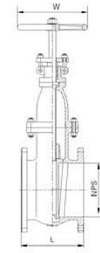
Class 150



Class 300



Class 600–1500



Test Pressure to API 598

Class	Body Material	Shell Test (Hydrostatic)	Seat Test (Hydrostatic)	Seat Test (Air)
150	WCB	450psi	315psi	
	WC6	450psi	319psi	80psi
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	
	WC6	1125psi	825psi	80psi
	CF8M	1100psi	792psi	
600	WCB	2225psi	1628psi	
	WC6	2250psi	1650psi	80psi
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	
	WC6	3375psi	2475psi	80psi
	CF8M	3250psi	2378psi	
1500	WCB	5575psi	4078psi	
	WC6	5625psi	4125psi	80psi
	CF8M	5400psi	3960psi	



ISO9001:2008
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特種設備製造許可証
0496



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0496

Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		Class 150																							
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36	40	42	48	60		
DN	mm	50	60	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200	1500		
L	in	7	7-1/2	8	9	10	10-1/2	11-1/2	13	14	15	16	17	18	20	24	24	26	28	-	-	-	-	-	
(FF)	mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610	610	660	711	813	813	1067	-	-	
(RF)	in	8-1/2	9-1/2	11-1/8	12	15	15-7/8	16-1/2	18	19-3/4	22-1/2	24	26	28	32	36	38	40	-	-	-	-	-	-	
(BW)	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	914	914	965	1016	1067	1143	1371	-	-	
L2	in	7-1/2	8	8-1/2	9-1/2	10-1/2	11	12	13-1/2	14-1/2	15-1/2	16-1/2	17-1/2	18-1/2	19-1/2	20-1/2	22-1/2	24-1/2	26-1/2	28-1/2	-	-	-	-	
(RTJ)	mm	191	203	216	241	267	279	305	343	368	384	419	445	470	521	622	622	673	724	-	-	-	-	-	
H	in	16-18	18-20	20-24	24-18	27-29	31-34	39	46-108	55-518	63-916	71-916	78-316	87	105-1418	119-916	132-316	153-916	-	-	-	-	-	-	-
(OPEN)	mm	409	472	532	612	710	806	990	1186	1405	1615	1811	1986	2210	2698	3030	3317	3487	3825	-	-	-	-	-	-
W	in	7-7/8	7-7/8	9-7/8	9-7/8	11-3/8	11-3/8	13-3/4	17-1/8	19-1/8	18-1/8	18-1/8	18-1/8	24	24	24	24	30	-	-	-	-	-	-	
(WT)	mm	200	200	250	250	300	300	350	450	500	500	500	600	600	610	610	610	760	760	760	760	760	760	760	
WT	RF	30	30	36	53	71	85	136	220	323	387	556	660	810	1250	1031	2380	2490	3600	4520	4950	6300	-	-	
(kg)	BW	17	26	29	46	66	77	116	202	294	350	506	575	720	1130	1765	2028	2280	3080	-	-	-	-	-	

*Manual gear operator is recommended

		Class 300																					
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	32	36	40	42	48	60	
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	800	900	1000	1050	1200	1500	
L-L1	in	8-1/2	9-1/2	11-1/8	12	15	15-7/8	16-1/2	18	19-3/4	30	33	36	39	45	55	-	-	-	-	-	-	-
(FF-BW)	mm	216	241	283	305	381	403	419	457	502	702	838	914	991	1143	1397	1524	1727	1955	2032	2382	2886	-
L2	in	9-1/2	10-1/8	11-3/4	12-5/8	15-5/8	16-1/2	17-1/8	18-5/8	20-3/8	30-5/8	33-5/8	36-5/8	39-5/8	45-7/8	56	-	-	-	-	-	-	-
(RTJ)	mm	238	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1422	1553	1756	-	-	-	-	-
H	in	15-3/4	18-3/4	21-3/8	25-5/8	30-5/16	34-5/8	40-1/2	50-3/16	56-1/8	65	72-1/16	78-1/16	88-3/16	116-3/16	139-3/8	-	-	-	-	-	-	-
(OPEN)	mm	400	477	543	650	770	880	1037	1275	1438	1650	1840	2020	2340	2900	3540	-	-	-	-	-	-	-
W	in	7-7/8	9-7/8	9-7/8	11-3/16	11-3/16	13-3/4	17-1/8	19-1/8	22-1/16	16-1/8	18-1/8	24	24	24	30	-	-	-	-	-	-	-
(WT)	mm	200	250	250	300	300	350	450	500	560	600	600	600	610	610	610	760	760	760	760	760	760	760
WT	RF	30	39	55	83	92	137	240	333	536	699	1010	1265	1720	2800	3796	4380	6000	7970	9510	12000	-	-
(kg)	BW	26	34	47	68	77	118	195	271	432	595	848	1025	1460	2294	3220	3800	5300	-	-	-	-	-

*Manual gear operator is recommended

		Class 600																				
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24	30	32	36	40	42	48	60	
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200	1500
L-L1	in	11-1/2	13	14	17	22	26	31	33	35	39	43	47	55	-	-	-	-	-	-	-	-
(FF-BW)	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	-	-	-	-	-	-	-	-
L2	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	35-1/8	39-1/8	43-1/8	47-1/4	55-3/8	-	-	-	-	-	-	-	-
(RTJ)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	-	-	-	-	-	-	-	-
H	in	18-5/8	21-3/4	23-3/8	28-1/16	38-3/16	44-3/16	52-3/8	59-13/16	68-1/8	72-1/4	80-1/8	98-13/16	119	-	-	-	-	-	-	-	-
(OPEN)	mm	474	553	593	713	970	1122	1330	1519	1730	1835	2290	2510	3022	-	-	-	-	-	-	-	-
W	in	9-7/8	9-7/8	11-13/16	13-3/4	19-11/16	22-1/16	28-3/8	24	24	24	24	30	30	-	-	-	-	-	-	-	-
(WT)	mm	250	250	290	300	350	500	560	720	610	610	610	760	760	760	760	760	760	760	760	760	760
WT	RF	41	58	88	131	253	413	623	784	1288	1820	2150	2540	4080	-	-	-	-	-	-	-	-
(kg)	BW	35	50	68	104	208	328	496	637	1120	1448	1828	2201	3360	-	-	-	-	-	-	-	-

*Manual gear operator is recommended

Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		Class 900																				
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24	30	32	36	40	42	48	60	
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200	1500
L-L1	in	14-1/2	16-1/2	18	18	24	29	33	38	40-1/2	44-1/2	-	-	-	-	-	-	-	-	-	-	-
(FF-BW)	mm	368	419	381	457	610	737	838	965	1029	1130	-	-	-	-	-	-	-	-	-	-	-
L2	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8	33-1/8	38-1/8	40-7/8	44-7/8	-	-	-	-	-	-	-	-	-	-	-
(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140	-	-	-	-	-	-	-	-	-	-	-
(OPEN)	mm	547	700	648	729	1041	1260	1590	1795	2025	2170	-	-	-	-	-	-	-	-	-	-	-
W	in	11-13/16	14	15-3/4	17-11/16	22-1/16	18-1/8	24	24	30	30	-	-	-	-	-	-	-	-	-	-	-
(WT)	mm	300	355	400	450	560	460	610	610	760	760	760	760	760	760	760	760	760	760	760	760	760
WT	RF	90	110	123	148	420	650	1160	1700	2300	2750	-	-	-	-	-	-	-	-	-	-	-
(kg)	BW	82	93	108	122	359	566	960	1450	2000	2390	-	-	-	-	-	-	-	-	-	-	-

*Manual gear operator is recommended

		Class 1500																			
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24	30	32	36	40	42	48	60
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200
L-L1	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4	39	44-1/2	49-1/2	54-1/2	-	-	-	-	-	-	-	-	-	-
(FF-BW)	mm	368	419	470	546	705	832	991	1130	1257	1384	-	-								



ISO9001-2008 特种设备制造许可证 QMS



ISO9001-2008 特种设备制造许可证 QMS

Parallel Slab Gate Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

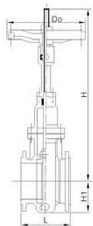
Valves designed to API 6D
Valves tested to API and API598
Face-to-Face to API and ANSI B16.10
RF flanged ends to ANSI B16.5

Standard Material Specifications

Part Name	Material
Body & Bonnet	A216 WC8, CF8, CF8M, CF3, CF3M
Wedge	Alloy Steel(face harden treated), Stainless steel(with Co overlay)
Stem	Alloy Steel(face erosion-resistant treated)
Seat	Alloy Steel(face Harden Treated, Beset F plastic), Steel(with Co overlay, Beset F plastic)
Packing	PTFE
O-Ring	NBR, FEP
Sealing Grease	

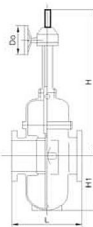
Parallel Plate Gate Valve Without Diversion Hole Dimensions

Class	Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
150	L	178	203	229	267	292	330	356	381	406	432	457
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	HI	80	98	110	150	170	210	240	265	295	325	335
	Do	250	300	350	350	350	400	500	600	-	-	-
300	L	216	283	305	403	419	457	502	762	838	914	991
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	HI	80	98	125	180	200	235	280	330	370	400	440
	Do	250	300	350	350	350	400	500	600	-	-	-
600	L	292	356	432	559	660	787	838	889	991	-	-
	H	415	530	692	895	1080	1360	1495	1700	1950	-	-
	HI	80	98	125	180	200	235	280	330	370	-	-
	Do	250	300	350	400	500	600	-	-	-	-	-



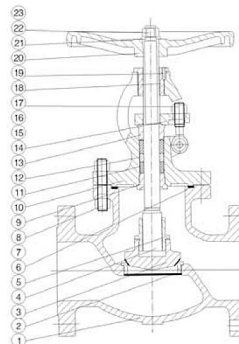
Parallel Plate Gate Valve Without Diversion Hole Dimensions

Class	Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
150	L	178	203	229	267	292	330	356	381	406	432	457
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	HI	410	195	240	330	410	510	600	685	800	870	955
	Do	250	300	350	350	350	400	500	600	-	-	-
300	L	216	283	305	403	419	457	502	762	838	914	991
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	HI	140	195	240	330	410	510	600	685	800	870	995
	Do	250	300	350	350	350	400	500	600	-	-	-
600	L	292	356	432	559	660	787	838	889	991	-	-
	H	415	530	692	895	1080	1360	1495	1700	1950	-	-
	HI	410	195	240	330	410	510	600	685	800	-	-
	Do	250	300	350	400	500	600	-	-	-	-	-



Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



OS & Y - Rising Stem, Plug Type Disc Bolted Bonnet, Threaded Seat Ring

STANDARDS COMPLIANCE:

Basic Design: BS1873
Face to Face Dimension: ANSI B16.10
End to End Dimension: ANSI B16.10
Flanged Ends to ANSI B16.5
B. W. Ends to ANSI B16.25
Manufacturing to NACE MR-01-75 on request

Standard Material Specifications

No	Part Name	Carbon steel to ASTM					Stainless Steel to ASTM			
		WC8	LC8	WC6	WC9	C5	CF8	CF3M	CF3	CF3M
1	Body	A216 WC8	A352 LCB	A217 WC9	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Disc	A105	A250 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Stem	A182 F6	A182 F6		A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L
5	Disc Nut	A182 F6	A182 F6		A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L
6	Coilnut				SS Spiral Wound/graphite or SS Spiral Wound/PTFE					
7	Bonnet Nut	A194 2H	A194 4		A194 7				A194 8	
8	Bonnet Bolt	A193 B7	A230 L7		A193 B16				A193 B8	
9	Backseat bushing	A182 B6	A182 F6		A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L
10	Bonnet	A216 WC8	A352 LCB	A217 WC9	A217 C5	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
11	Lantern	A182 F6	A182 F6		A182 F304		A182 F304	A182 F304L	A182 F304	A182 F316L
12	Stem Packing						Graphite or PTFE			
13	Gland				A182 F6		A182 F304	A182 F316	A182 F316	A182 F316L
14	Gland Flange				A216 WC8				A351 CF8	
15	Gland Nut				A194 2H				A194 8	
16	Gland Eyebolt				A194 B7				A193 B8	
17	Pin						Carbon steel or Stainless Steel			
18	Stem Nut				A439 D2 or B146-962A					
19	Screw						Carbon steel			
20	Hand Wheel						Ductile Iron or carbon steel			
21	Name Plate						Stainless steel or Aluminum			
22	Washer						Carbon steel			
23	Nut						Carbon steel or Stainless Steel			

Other materials: Alloy 20, A352Z1, A352Z1, Hastelloy, etc. (are available on request).



ISO 9001

ISO 9001

ISO 9001:2008

特種設備製造所認定

0496



ISO 9001

ISO 9001

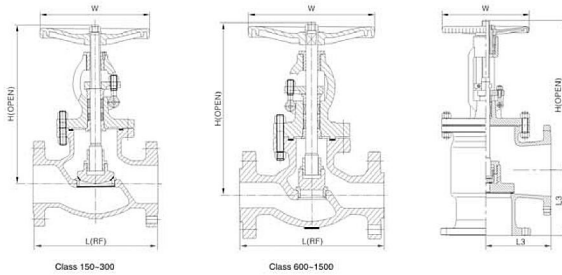
ISO 9001:2008

特種設備製造所認定

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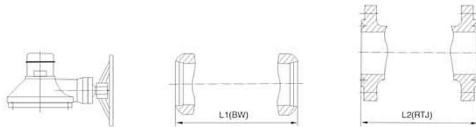
Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Class 150-300

Class 600-1500



Test Pressure to API598

Class	Body Material	Shell Test (Hydrostatic)	Seat Test (Hydrostatic)	Seat Test (Air)
150	WCB	450psi	315psi	80psi
	WC6	450psi	319psi	
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	80psi
	WC6	1125psi	825psi	
	CF8M	1100psi	793psi	
600	WCB	2225psi	1628psi	80psi
	WC6	2250psi	1650psi	
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	80psi
	WC6	3375psi	2475psi	
	CF8M	3250psi	2376psi	
1500	WCB	5575psi	4078psi	80psi
	WC6	5625psi	4125psi	
	CF8M	5400psi	3960psi	

Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		Class 150									
NPS	in	2	2-1/2	3	4	5	6	8	10	12	
DN	mm	50	65	80	100	125	150	200	250	300	
L-L1	in	8	8-1/2	9-1/2	11-1/2	14	16	19-1/2	24-1/2	27-1/2	
	mm	203	216	241	292	356	406	495	622	698	
(RF-BW)	in	8-1/2	9*	10	12	14-1/2	16-1/2	20	25	28	
	mm	216	229	254	305	368	419	508	635	711	
L3	in	102	108	121	146	178	203	248	311	349	
	mm	102	108	121	146	178	203	248	311	349	
H	in	14-11/16	15-3/8	16-9/16	20-1/4	21-3/16	22-5/16	24-5/8	28	39	
	mm	373	390	421	515	538	567	626	712	990	
W	in	7-7/8	9-7/8	9-7/8	11-13/16	11-13/16	13-3/4	15-3/4	17-3/4	24	
	mm	200	250	250	300	300	350	400	450	610	
WT	RF	22	29	42	64	77	105	154	288	507	
	(KG)	BW	19	25	34	49	65	82	131	249	430

		Class 300									
NPS	in	2	2-1/2	3	4	5	6	8	10	12	
DN	mm	50	65	80	100	125	150	200	250	300	
L-L1	in	10-1/2	11-1/2	12-1/2	14	15-3/4	17-1/2	22	24-1/2	28	
	mm	267	292	318	356	400	444	559	622	711	
(RF-BW)	in	11-1/8	12-1/8	13-1/8	14-5/8	16-3/8	18-1/8	22-5/8	25-1/8	28-5/8	
	mm	283	308	333	371	416	460	575	638	727	
L3	in	133	146	159	178	200	222	279	311	356	
	mm	133	146	159	178	200	222	279	311	356	
H	in	15-11/16	17-1/8	18-3/16	22-1/16	24-3/8	27-5/16	30-5/8	44-1/2	41-5/16	
	mm	398	436	462	560	620	694	782	1130	1049	
W	in	7-7/8	9-7/8	9-7/8	13-3/4	15-3/4	17-3/4	22-1/16	31	18-1/8	
	mm	200	250	250	350	400	450	560	864	460*	
WT	RF	31	43	57	86	130	168	280	385	724	
	(KG)	BW	26	28	44	68	110	138	228	329	618

		Class 600									
NPS	in	2	2-1/2	3	4	5	6	8	10	12	
DN	mm	50	65	80	100	150	200	250	300	300	
L-L1	in	11-1/2	13	14	17	22	26	31	31	33	
	mm	292	330	356	432	559	660	787	808	838	
(RF-BW)	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	33-1/8	
	mm	295	333	359	435	562	664	791	840	840	
H	in	16-3/4	19-3/4	20-1/2	24-3/8	34-7/8	36-11/16	41	50-3/8		
	mm	425	502	521	620	886	932	1040	1280		
(OPEN)	in	9-7/8	11-13/16	13-3/4	17-3/4	28-3/8	18-1/8	24	30		
	mm	250	300	350	450	720	460*	610*	760*		
WT	RF	39	58	73	120	327	482	700	900		
	(KG)	BW	33	48	61	95	261	385	588	795	

*Manual gear operator is recommended



特种设备制造许可证 0496

Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

Class 900							
NPS	in	2	2-1/2	3	4	6	8
DN	mm	50	65	80	100	150	200
L-L1 (RF-BW)	in	14-1/2	16-1/2	15	18	24	29
	mm	368	419	381	457	610	737
L2 (RTJ)	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8
	mm	371	422	384	460	613	740
H (OPEN)	in	9-7/16	10-1/4	10-1/4	12-5/8	15	20-7/8
	mm	240	260	260	320	382	530
W	in	13-3/4	15-3/4	17-3/4	22-1/16	18-1/8	24
	mm	350	400	450	560	460*	610*
WT (g)	RF	100	118	131	218	452	710
	BW	75	94	105	185	340	630

Class 1500							
NPS	in	2	2-1/2	3	4	6	8
DN	mm	50	65	80	100	150	200
L-L1 (RF-BW)	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4
	mm	368	419	470	546	705	832
L2 (RTJ)	in	14-5/8	16-5/8	18-5/8	21-5/8	28	33-1/8
	mm	371	422	473	549	711	841
H (OPEN)	in	23-5/16	26	27-1/4	35-11/16	40	45-1/16
	mm	592	660	692	907	1015	1145
W	in	13-3/4	15-3/4	17-3/4	18-1/8	24	24
	mm	350	400	450	460*	610*	610*
WT (KG)	RF	112	141	228	336	650	762
	BW	84	115	183	277	515	630

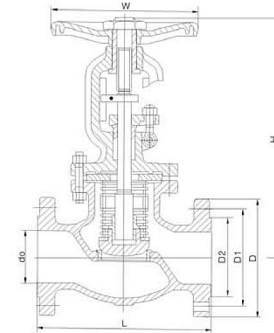
*Manual gear operator is recommended



特种设备制造许可证 0496

ANSI More Arrangement Bellows Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



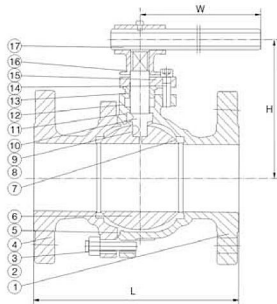
Main External and Connecting Dimensions

Nominal Pressure (Mpa)	NPS Nominal Diameter (in)	Dimension (mm)							
		d0	D	D1	D2	L	H	W	
150LB	2	51	152	120.5	92	203	360	180	
	2 1/2	64	178	139.5	105	216	390	180	
	3	76	190	152.5	127	241	410	280	
	4	102	229	190.5	157	292	460	300	
	5	127	254	216	186	356	480	320	
	6	152	279	241.5	216	406	500	320	
	8	203	343	308.5	270	495	560	400	
	10	254	406	362	324	622	620	500	
	12	305	483	432	381	698	690	600	
	14	337	533	476	413	787	770	650	
	300LB	2	51	165	127	92	267	370	180
		2 1/2	64	190	149	105	292	400	280
3		76	210	168.5	127	318	420	280	
4		102	254	200	157	356	470	280	
5		127	279	235	186	400	490	320	
6		152	318	270	216	444	510	320	
8		203	381	330	270	559	570	400	
10		254	445	387.5	324	622	630	500	
12		305	521	451	381	711	700	600	
14		337	584	514.5	413	838	780	650	



Class150-600 Two-Piece Floating Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STANDARDS

Design and manufacture: API6D API608 or BS 5351
Face to Face Dimensions: ANSI B16.10
End Flange Dimensions: ANSI B16.5
Test: API 6D or API 598.

Type of Connection

RF and RTJ Flange Ends to ANSI B16.5 standard.
BW Flange Ends to ANSI B16.25 standard.

Type of Operation

Lever
Connection dimensions of Worm Gear actuator, Electric actuator, Pneumatic actuator to ISO 5211 standard.
Anti-static electricity constructions "AS" and Fire-safe constructions "FD"

Standard Material Specifications

No	Part Name	Carbon steel to ASTM		Stainless Steel to ASTM			
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Bonnet nut	A194 2H	A194 4	A194 B			
3	Bonnet bolt	A193 B7	A320 L7	A193 B8			
4	Cap	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	Gasket	SS Spiral Wound/graphite or SS Spiral Wound PTFE					
6	Ball	A105 Ep.Cr or F6	A182 F6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	Seat Ring	RPTFE or POM					
8	Small spring	Stainless Steel					
9	Small ball	A182 F304 A182 F316L					
10	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
11	Stem Seal	PTFE					
12	Stem Packing	PTFE or Graphite					
13	Gland	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L	
14	Gland Bolt	A193 B7	A193 B8				
15	Gland Flange	A216 WCB					
16	Positioning Plate	Steel					
17	Wrench	A216 WCB					

The material is according to ASTM standard.



Class150-600 Two-Piece Floating Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

DN	NPS	CLASS 150										
		15	20	25	40	50	65	80	100	150	200	250
L(RF)	mm	108	117	127	165	178	191	203	229	304	457	533
	in	4.25	4.6	5	6.5	7	7.5	8	9	15.5	18	21
L1(BW)	mm	140	152	165	190	216	241	263	305	457	521	559
	in	5.5	6	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22
L2(RTJ)	mm	119	129.7	139.7	178	191	203	216	241	406	470	546
	in	4.69	5.11	5.5	6.9	7.5	8	8.5	9.5	16	18.5	21.5
H	mm	66	74	87	105	132	152	182	215	250	285	495
	in	2.6	2.9	3.48	4.2	5.28	6.08	7.28	8.5	10	11.3	19.5
Dx(W)	mm	130	160	160	230	400	400	600	850	1100	1500	250
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8
RF(Kg)		2.3	3	4.5	7	15	20	25	40	97	160	240
BW(Kg)		2.0	2.5	3.8	5.8	12	17	21	36	92.8	154	227

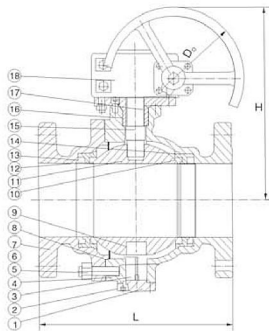
DN	NPS	CLASS 300									
		15	20	25	40	50	65	80	100	150	200
L(RF)	mm	140	152	165	190	216	241	283	305	403	502
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	15.88	19.75
L1(BW)	mm	140	152	165	190	216	241	283	305	403	502
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	15.88	20.5
L2(RTJ)	mm	151	164.7	177.7	202.7	232	257	296	321	419	518
	in	5.95	6.48	7	8	9.13	10.13	11.75	12.63	16.5	20.38
H	mm	66	74	87	105	115	158	166	183	285	294
	in	2.6	2.9	3.48	4.2	4.6	6.32	6.64	7.32	11.4	11.76
Dx(W)	mm	130	160	160	230	400	400	600	850	1100	1500
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59
RF(Kg)		2.5	3.5	5.5	10.5	20	25	31	52	118	200
BW(Kg)		2.1	3	4.8	8.7	17	22	28	48	105	185

DN	NPS	CLASS 600						
		15	20	25	40	50	65	80
L(RF)	mm	165	190	216	241	292	330	356
	in	6.5	7.48	8.5	9.5	11.5	13	14
L1(BW)	mm	165	190	216	241	292	330	356
	in	6.5	7.48	8.5	9.5	11.5	13	14
L2(RTJ)	mm	163.4	190	216	241	295	333	359
	in	6.43	7.48	8.5	9.5	11.63	13.13	14.13
H	mm	59	63	75	107	153	165	195
	in	2.3	2.5	2.96	4.2	6.02	6.5	7.68
Dx(W)	mm	130	160	160	230	600	850	1250
	in	5.1	6.3	6.3	9	23.62	33.46	49.25
RF(Kg)		7.5	10.5	14.5	18.5	38	56	66
BW(Kg)		6	8.7	11	14.7	31	49	58

* Worm Gear of Electric actuator operated.

Class150-1500 Two-Piece Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STANDARDS

Design and manufacture: API6D, API608, ANSI B16.34 or BS 5351

Face to face dimensions: ANSI B16.10
Pressure-Temp Ratings: ANSI B16.34
Test: API 6D or API 598

End flange dimensions

NPS 2-24: ANSI B16.5

NPS 26: ANSI B16.47 or MSS SP-44

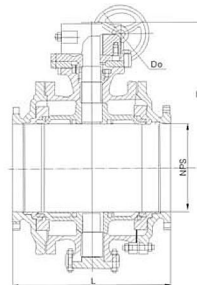
Standard Material Specifications

No	Part Name	Carbon steel to ASTM			Stainless Steel to ASTM		
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Underplate	WCB	LCB	CF8	CF8M	CF3	CF3M
2	Underplate Bolt	A193 B7	A320 L7	A193 B8			
3	Trunnion	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	Bonnet Nut	A194 2H	A194 4	A194 8			
6	Bonnet Bolt	A193 B7	A320 L7	A193 B8			
7	Cap	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
8	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE					
9	Shaft Sleeve	SS/graphite					
10	Seat Ring	RPTFE or POM					
11	Ball	A105Ep Cr or F6	A182 F6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Seat	A105Ep Cr or F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
13	Spring	17-17PH(Inconel for NACE) Ni-cr Alloy					
14	O-Ring	Viton					
15	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
16	Sealing Cover	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
17	O-Ring	Viton					
18	Gear Actuator						

The material is according to ASTM standard.

Class150-1500 Three-Piece Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Type of connection

R F and RTJ flange ends to ANSI B16.5 or ANSI B16.47 and MSS SP-44 standard.
BW flange ends to ANSI B16.25 standard.

Type of operation

Lever

Connection dimensions of Worm Gear actuator.
Electric actuator, Pneumatic actuator to ISO 5211 standard.
Anti-static Electricity constructions*AS*and Fire-safe constructions*FD*.

Dimensions and Weights

		CLASS 150													
		50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	mm	2	2.12	3	4	6	8	10	12	14	16	18	20	24	28
	in	178	191	203	229	394	457	533	610	696	762	864	914	1067	1245
L(RF)	mm	7	7.5	8	9	15.5	18	21	24	27	30	34	36	42	49
	in	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
L1(BW)	mm	8.5	9.5	11.13	12	18	20.5	22	25	30	33	36	39	45	53
	in	191	203	216	241	457	470	546	622	699	775	876	927	1090	
L2(RTJ)	mm	7.5	8	8.5	9.5	16	18.5	21.5	24.5	27.5	30.5	34.5	36.5	42.5	
	in	153	165	195	213	272	342	425	500	625	720	790	840	1050	1150
H	mm	6.05	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.6	28.35	31	33.1	41.34	45.3
	in	400	400	600	850	1100	1500	350	350	600	600	800	800	1600	1600
Do(W)	mm	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5
	in	15	19	38	65	97	160	240	390	510	750	895	1190	2100	3000
RF(Kg)	mm	13	17	35	55	92.8	154	227	365	478	711	868	1138	2015	2900
	in														

		CLASS 300													
		50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	mm	2	2.12	3	4	6	8	10	12	14	16	18	20	24	28
	in	216	241	283	305	403	502	568	648	762	838	914	991	1143	1346
L(RF)	mm	8.5	9.5	11.13	12	15.88	19.75	22.38	25.5	30	33	36	39	45	53
	in	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
L1(BW)	mm	8.5	9.5	11.13	12	18	20.5	22	25	30	33	36	39	45	53
	in	232	257	298	321	419	518	584	664	778	854	930	1010	1165	1372
L2(RTJ)	mm	9.13	10.13	11.75	12.63	16.5	20.38	23	26.13	30.63	33.63	36.63	39.75	45.89	54
	in	153	165	195	213	272	342	425	500	625	720	790	840	1050	1150
H	mm	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.6	28.35	31	33.1	41.34	45.3
	in	400	400	600	850	1100	1500	350	350	600	600	800	800	1600	1600
Do(W)	mm	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5
	in	18	27	47	80	118	200	365	530	740	1030	1320	1540	2600	3900
RF(Kg)	mm	14	22	38	65	105	185	342	503	713	1000	1285	1498	2540	3825
	in														

* Worm Gear or Electric actuator operated.



Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		CLASS 150											
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	292	330	356	432	559	660	767	838	889	991	1092	1194
	in	11.5	13	14	17	22	26	31	33	35	39	43	47
L(BW)	mm	292	330	358	432	22	660	767	838	889	991	1092	1194
	in	11.5	13	14	17	559	26	31	33	35	39	43	47
L2(RTL)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200
	in	11.63	13.13	14.13	17.13	22.13	26.13	31.13	33.13	35	39.5	43.1	47.3
H	mm	153	165	195	213	272	342	495	580	630	725	800	850
	in	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.8	28.5	31.5	33.5
Do(W)	mm	600	650	1250	1300	1500	1500	1500	1500	1500	1500	1500	1500
	in	23.62	33.46	49.25	51.22	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5
RF(Kg)		38	56	66	122	217	350	660	830	830	1160	1420	1650
BW(Kg)		31	51	58	117	200	327	605	700	800	1030	1305	1505

		CLASS 300											
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321
	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52
L(BW)	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321
	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52
L2(RTL)	mm	371	422	384	460	613	740	841	968	1032	1133	1222	1327
	in	14.63	16.63	15.13	18.13	24.13	29.13	33.13	38.13	40.6	44.6	48.1	52.3
H	mm	162	195	205	239	290	355	510	595	650	750	835	900
	in	6.36	7.7	80.5	9.41	11.4	14	20	23.4	25.6	29.5	32.9	35.4
Do(W)	mm	600	650	1250	1300	1500	1500	1500	1500	1500	1500	1500	1500
	in	23.62	33.46	49.25	51.22	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5
RF(Kg)		48	60	78	138	315	480	710	800	910	1200	1480	1760
BW(Kg)		44.5	52.5	75.2	131	297	440	690	827	870	1100	1210	1620

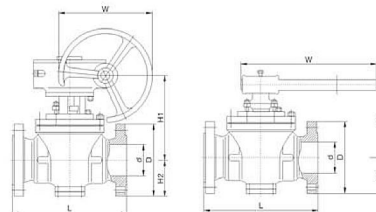
		CLASS 1500											
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384		
	in	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5		
L(BW)	mm	368	419	470	546	705	832	991	1130	1257	1384		
	in	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5		
L2(RTL)	mm	371	422	473	549	711	842	1000.5	1146	1276	1406		
	in	14.63	16.63	18.63	21.63	28	33.13	39.38	45.13	50.2	55.4		
H	mm	197	220	254	291	355	510	595	655	690	760		
	in	7.74	8.7	10	11.44	14	20	23.5	25.8	26.8	30.7		
Do(W)	mm	600	650	1250	1300	1500	1500	1500	1500	1500	1500		
	in	23.6	33.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5	31.5		
RF(Kg)		55	80	97	162	290	390	745	935	1000	1305		
BW(Kg)		51	71	92.8	157.5	227	335	697	885	915	1200		

*Warm Gear or Electric actuator operated.

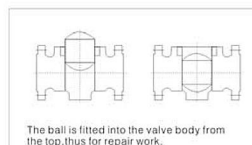


Top Entry Trunnion Mounted Ball Valve

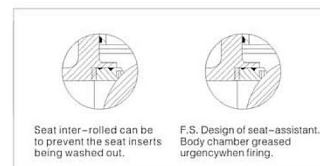
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Design manufacture according to API607, ASME B16.34 Inspection and test to API 598 Flang to ASME B16.5, DIN2453-2550, IIB/T79.4 Material to NACE MRO175 Fire safe as per API 607, API 6FA



The ball is fitted into the valve body from the top, thus for repair work.



Seat inter-rolled can be to prevent the seat interst from being washed out.

F.S. Design of seat-assistant. Body chamber greased urgency when fitting.

Dimensions and mm and inches(Weights)

		CLASS 150						
Size	G	L	H1	H2	W	Weight		
2	51	292	170	76	285	46		
3	76	356	21	95	285	83		
4	102	432	250	115	400	156		
6	152	559	265	140	400	256		
8	203	660	355	172	400	453		
10	254	787	385	203	600	622		
12	305	838	400	242	600	747		
14	337	889	450	267	600	959		
16	387	991	510	299	600	1220		
18	438	1092	565	318	600	1640		
20	489	1194	620	349	600	2118		
24	591	1397	680	407	700	2950		

		CLASS 300						
Size	G	L	H1	H2	W	Weight		
2	51	292	170	83	285	49		
3	76	356	21	105	285	87		
4	102	432	250	127	400	164		
6	152	559	265	159	400	272		
8	203	660	355	191	500	479		
10	254	787	385	277	600	657		
12	305	838	400	311	600	783		
14	337	889	450	342	600	1007		
16	387	991	510	390	600	1281		
18	438	1092	565	256	700	1722		
20	489	1194	620	388	700	994		
24	591	1397	680	457	700	3100		



0496

Check Valve

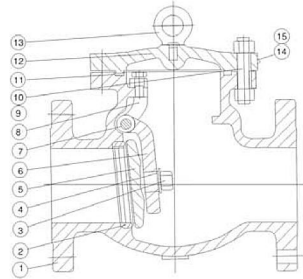
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



0496

Check Valve

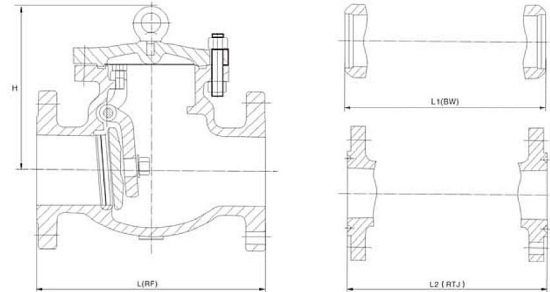
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Bolted, Cover, Swing Type Disc,
Threaded or
Welded Seat Ring

SATNDARDS COMPLIANCE:

Basic Design: BS 1868
Face to Face Dimension: ANSI B 16.10
End to End Dimension: ANSI B 16.10
Flanged Ends: 2" - 24" to ANSI B 16.5
> 24" to MSS SP-44
to ANSI B 16.34 on request
B. W. Ends to ANSI B 16.25
Manufacturing to NACE MR-01-75 on request



Standard Material Specifications

No	Part Name	Carbon steel to ASTM			Alloy steel to ASTM				Stainless Steel to ASTM		
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M	
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	
3	Disc Nut			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L	
4	Disc Washer			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L	
5	Disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
6	Hinge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M	A351 CF8M	A351 CF3	A351 CF3M	
7	Hinge Pin			A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L	
8	Yoke	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
9	Bonnet nut	A194 2H	A194 4	A194 7			A194 8				
10	Bonnet bolt	A193 B7	A30 L7	A193 B16			A193 B8				
11	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTEE									
12	Cover	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
13	Hook Screw	Steel									
14	Nameplate	Stainless steel or Aluminum									
15	Rivet	Stainless steel or Aluminum									

Other materials (Alloy 20, AISI 321, AISI 347, Inconel, Hastelloy, etc) are available on request.

Test Pressure to API598

Class	Body Material	Shell Test (Hydraulic)	Seat Test (Hydraulic)	Seat Test (Air)
150	WCB	450psi	315psi	80psi
	WC6	450psi	319psi	
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	80psi
	WC6	1125psi	825psi	
	CF8M	1100psi	792psi	
600	WCB	2225psi	1628psi	80psi
	WC6	2250psi	1650psi	
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	80psi
	WC6	3375psi	2475psi	
	CF8M	3250psi	2376psi	
1500	WCB	5575psi	4078psi	80psi
	WC6	5625psi	4125psi	
	CF8M	5400psi	3960psi	



ISO 9001

ISO 9001

ISO 9001:2008

特種設備製造所特許

CE

Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		Class 150															
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900
L-L1	in	8	8-1/2	9-1/2	11-1/2	13	14	19-1/2	24-1/2	27-1/2	31	34	38-1/2	38-1/2	51	60	77
(RF-BW)	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1965
L2	in	8-1/2	9	10	12	13-1/2	14-1/2	20	25	28	31-1/2	34-1/2	39	39	51-1/2	60-1/2	77-1/2
(RTJ)	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308	1537	1968
H	in	5-7/8	6-5/8	7-1/16	8-1/4	9-1/16	10-13/16	13-3/8	14	16-1/8	18-11/11	21-3/4	23-5/8	26	29-1/8	38-5/8	40-3/4
(OPEN)	mm	150	168	180	210	230	275	340	355	410	475	552	600	660	740	980	1035
WT	RF	17	21	29	42	69	74	108	177	282	372	570	665	900	1389	2120	3344
(kg)	BW	13	17	24	36	57	62	96	158	238	324	483	548	782	1150	1800	2940

		Class 300															
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	
L-L1	in	10-1/2	11-1/2	12-1/2	14	15-3/4	17-1/2	21	24-1/2	28	33	34	38-1/2	40	53	62-3/4	
(RF-BW)	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594	
L2	in	11-1/8	12-1/8	13-1/8	14-5/8	16-3/8	18-1/8	21-5/8	25-1/8	28-5/8	33-5/8	34-5/8	39-1/8	40-3/4	53-7/8	63-3/4	
(RTJ)	mm	283	308	333	371	416	460	549	638	727	854	879	994	1036	1368	1619	
H	in	7-1/16	7-1/4	8-1/4	10-5/8	13-9/16	14-3/16	14-9/16	15-1/8	17-5/16	20-7/16	21-13/16	23-1/4	24-3/16	27-15/16	34-1/16	
	mm	180	185	210	270	345	360	370	385	440	520	554	590	614	614	866	
WT	RF	21	32	43	61	84	131	213	384	449	680	840	1025	1320	1960	3270	
(kg)	BW	16	24	35	44	61	105	167	272	375	500	710	828	1070	1566	2830	

		Class 600															
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24			
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600			
L-L1	in	11-1/2	13	14	17	22	26	31	33	35	39	43	47	55			
(RF-BW)	mm	292	330	356	432	559	660	787	838	889	991	1002	1194	1397			
L2	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	35-1/8	39-1/8	43-1/8	47-1/4	55-3/8			
(RTJ)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407			
H	in	7-3/4	8-1/8	9-1/8	11-1/16	14-1/4	17-3/16	19-5/16	20-3/4	22-1/2	26	28-3/8	29-3/8	37-13/16			
	mm	197	207	231	281	362	437	490	528	572	660	720	746	960			
WT	RF	36	49	68	111	230	416	673	875	944	1220	1620	2120	3100			
(kg)	BW	28	40	57	83	191	361	543	770	820	1015	1350	1750	2520			

*Manual gear operator is recommended



ISO 9001

ISO 9001

ISO 9001:2008

特種設備製造所特許

CE

Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

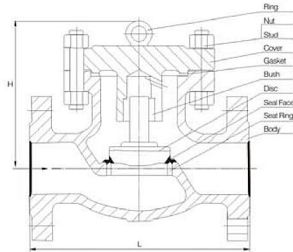
		Class 900															
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16						
DN	mm	50	65	80	100	150	200	250	300	350	400						
L-L1	in	14-1/2	16-1/2	15	18	24	29	33	38	40-1/2	44-1/2						
(RF-BW)	mm	368	419	381	457	610	737	838	965	1029	1130						
L2	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8	33-1/8	38-1/8	40-7/8	44-7/8						
(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140						
H	in	9-7/16	10-1/4	10-1/4	12-5/8	15	20-7/8	22-1/16	23-1/4	24-13/16	27-9/16						
	mm	240	260	260	320	382	530	560	590	630	700						
WT	RF	69	93	91	145	259	565	900	1200	1500	2130						
(kg)	BW	52	74	70	112	218	448	733	975	1240	1780						

		Class 1500											
NPS	in	2	2-1/2	3	4	6	8	10	12				
DN	mm	50	65	80	100	150	200	250	300				
L-L1	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4	39	44-1/2				
(RF-BW)	mm	368	419	470	546	705	832	991	1130				
L2	in	14-5/8	16-5/8	18-5/8	21-5/8	28	33-1/8	39-3/8	45-1/8				
(RTJ)	mm	371	422	473	549	700	841	1000	1146				
H	in	12-1/4	12-1/4	13	14	15-3/4	20-7/8	22-1/16	25-5/8				
	mm	310	310	330	355	400	530	560	650				
WT	RF	69	93	140	232	490	990	1490	1970				
(kg)	BW	49	74	111	185	375	803	1250	1625				



Class 150/300 Lift Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STRUCTURE TYPE

Bolted Cover, Lift Type Disc, Threaded Seat Ring.

STANDARDS:

Basic design: ASME B16.34 and BS 1868
 Face to Face Dimensions: ASME B16.10
 End Flange Dimensions: ASME/ANSI B16.5a
 Shell Wall Thickness: ASME B16.34
 Test: API 598
 Pressure-Temperature Rating: ASME B16.34

Standard Material Specifications

Part Name	WCB series	304 series	316 series	CF-M2V series	low temperature series	steel sulphur series	Monel inside series
Body Cover	A216-WCB	A351-CF8 -CF3	A182-CF8 -CF3M	A217-WC6 W9 -C5	A352-LCB -LCC	A351-CF8M	A216-WCB
Disc	A105 A182-F6a	A182-F304 -F304L	A182-F316 -F316L	A182-F11 F22 F6a	A182-F6a	A182-F316	Monel K400
Seat Ring	A105 A182-F6a	A182-F304 -304L	A182-F316 -316L	A182-F6a F22	A182-F6a	A182-F316	Monel K400
Seat Face	13% Cr 13% Cr STL/13%Cr stainless steel valve local body/STL STL/STL						
Gasket	304 or 316 stainless steel twisted flexible graphite						Monel Twisted flexible graphite
Stud	A193-B7	A193-B8	A193-B8	A193 B16	A320-L7	A193-B7	A193-B7
Nut	A194-2H	A194-8	A194-8	A194-7	A197-7	A194-2H	A194-2H
Ring	A105	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A105

NOTE: Other materials can be selected according to the customer's requirement.

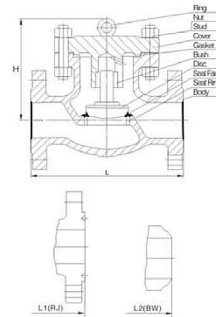
Dimensions and Weights

	NPS DN	in mm	2-1/2		3		4		6		8		10		12	
			50	65	80	100	125	150	200	250	300	350	400	450	500	
L (RF)	Class 150	in	8	8-1/2	9-1/2	11-1/2	14	16	19	24-1/2	27-1/2	33	37	43	49	56
		mm	203	216	241	292	356	406	495	622	698	838	940	1092	1245	1418
L (RF)	Class 300	in	10-1/2	11-1/2	12-1/2	14-3/8	15-3/4	17-1/2	22	24-1/2	28	33	37	43	49	56
		mm	267	292	318	369	405	445	559	622	711	838	940	1092	1245	1418
H	Class 150	in	7-1/16	7-5/8	8-7/16	9-3/8	10-1/4	11-3/16	13-1/2	15-5/16	17-1/4	20	22	26	31	33
		mm	179	194	214	238	260	291	343	389	438	508	559	660	787	838
H (BW)	Class 300	in	7-13/16	8-5/8	9-5/8	10-13/16	113/4	12-7/8	15	17	19-1/2	22	24	28	33	33
		mm	196	219	244	275	298	327	381	432	496	559	612	711	787	838
WT	Class 150	in	17	25	29	48	68	85	138	210	350	448	559	660	787	838
		mm	28	33	42	67	96	135	203	296	448	559	660	787	838	838



Class 600 Lift Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STRUCTURE TYPE

Bolted Cover, Lift Type Disc, Threaded Seat Ring

STANDARDS:

Basic design: ASME B16.34 and BS 1868
 Face to Face Dimensions: ASME B16.10
 End Flange Dimensions: ASME/ANSI B 16.5a
 Shell Wall Thickness: ASME B16.34
 Test: API 598
 Pressure-Temperature Rating: ASME B16.34

Standard Material Specifications

Part Name	WCB series	304 series	316 series	CF-M2V series	low temperature series	steel sulphur series	Monel inside series
Body Cover	A216-WCB	A351-CF8 -CF3	A351-CF8M -CF3M	A217-WC6 -WC9 -C5	A352-LCB -LCC	A351-CF8M	A216-WCB
Disc	A105 A182-F6a	A182-F304	A182-F316 -F316L	A182-F11 F22 F6a	A182-F6a	A182-F316	Monel K400
Seat Ring	A105 A182-F6a	A182-F304	A182-F316 -F316L	A182-F6a F22	A182-F6a	A182-F316	Monel K400
Seat Face	13% Cr 13% Cr STL/13%Cr stainless steel valve local body/STL STL/STL						
Gasket	304 or 316 stainless steel twisted flexible graphite						Monel Twisted flexible graphite
Stud	A193-B7	A193-B8	A193-B8	A193 B16	A320-L7	A193-B7	A193-B7
Nut	A194-2H	A194-8	A194-8	A194-7	A197-7	A194-2H	A194-2H
Ring	A105	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A105

NOTE: Other materials can be selected according to the customer's requirement.

Dimensions and Weights

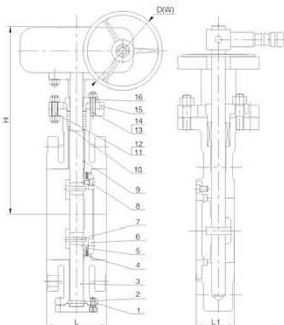
	NPS DN	in mm	2-1/2		3		4		6		8		10		12	
			50	65	80	100	125	150	200	250	300	350	400	450	500	
L (RF)	Class 150	in	11-1/2	13	14	17	20	22	26	31	33	37	43	49	56	63
		mm	292	330	356	432	508	559	660	787	838	940	1092	1245	1418	1591
L (RF)	Class 300	in	11-5/8	13-1/8	14-1/8	17-1/8	20-1/8	22-1/8	26-1/8	31-1/8	33-1/8	37-1/8	43-1/8	49-1/8	56-1/8	63-1/8
		mm	295	333	359	435	511	562	664	791	841	943	1096	1249	1422	1595
L2 (BW)	Class 150	in	11-1/2	13	14	17	20	22	26	31	33	37	43	49	56	63
		mm	292	330	356	432	508	559	660	787	838	940	1092	1245	1418	1591
H	Class 300	in	8-7/16	9-1/4	10-5/16	11-3/16	13-1/2	14-1/2	16-9/16	19	20-7/8	22-1/2	26-1/2	30-1/2	34-1/2	38-1/2
		mm	214	235	262	300	330	368	421	483	530	604	673	750	827	904
WT	Class 150	in	32	45	58	102	147	195	308	455	630	812	1012	1238	1491	1771
		mm	27	38	47	79	104	148	211	305	470	635	812	1012	1238	1491



0696

Class 125-300 Butterfly Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STANDARDS

Flange Butterfly Valves: MSS SP-67

Water Butterfly Valves: MSS SP-68 OR API 609

Face to face dimensions: ANSI B16.10 MSS SP-67 and MSS SP-68 or 609

Test: API598

End flange dimensions

NPS 1 1/2-24: ANSI B16.5

NPS 30-72: MSS SP-44 or ANSI B16.47

Type of construction

Flange Butterfly Valves(Hard face and soft face)

Water Butterfly Valves(Hard face and soft face)

Type of connection

R F and RTJ flange ends to ANSI B16.5 or API 605

and MSS SP-44 standard.

Type of operation

Lever

Worm Gear actuator, Electric actuator, Pneumatic actuator,

Actuator dimensions to ISO 5211 standard.

Material List

No	Part Name	Carbon Steel		Alloy Steel				Stainless Steel			
		WC6	LCB	WC6	WC6	CS	CF8	CF8M	CF8	CF8M	CF8M
1	Body	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
2	Below Axle Bush	PTFE or Stainless Steel And Graphite Spiral Wound									
3	Stem	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	
4	Seat Ring	F6	STL	STL6	STL6	F304	F316	F304L	F316L	F316L	
5	Butterfly Plate	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
6	Lock Ring	A105	A182 F6	A182 F22	A182 F22	A182 F304	A182 F316	A182 F304L	A182 F316L		
7	Pin	Carbon Steel or Alloy Steel									
8	Screw	Carbon Steel or Alloy Steel									
9	Top Axle Bush	PTFE or Stainless Steel And Graphite Spiral Wound									
10	Packing	Graphite + 304									
11	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8	
12	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8	
13	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8	
14	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8	
15	Yoke	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
16	Gland	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L		

The material is according to ASTM standard



0696

Class 125-300 Butterfly Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

DN	NPS	CLASS 125											
		40	50	65	80	100	125	150	200	250	300	350	400
L	in	203.2	230.2	203.2	203.2	304.8	304.8	304.8	381.0	381.0	381.0	457.2	457.2
		8	8	8	8	12	12	12	15	15	15	18	18
L1	mm	79.3	101.6	127	154	165.1	200.2	251	276.4				
		in	3.12	4	5	6.06	6.5	7.88	9.88	10.88			
H	in	481	521	568	698	903	1031	1122	1180	1425	1545	1624	1750
		19	20.5	22.4	27.5	35.6	40.6	44.2	46.5	56.1	60.8	64	69
Dx(W)	mm	300	400	450	500	350	350	350	350	350	350	350	350
		in	11.8	15.8	17.7	19.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Weight (Kg)	RF	230	274	375	595	1030	1985	2100	3420	3670	3880	4100	4250
		BW	200	248	334	510	880	1580	1680	2736			

DN	NPS	CLASS 150											
		40	50	65	80	100	125	150	200	250	300	350	400
L	in	11.2	2	2.12	3	4	5	6	8	10	14	16	
		mm			127	127	127	127	152	203.2	203.2	203.2	203.2
L1	mm	38.1	46	50.8	48	54	63.5	57	63.5	71.5	81.0	92.0	101.5
		in	1.5	1.81	2	1.88	2.13	2.5	2.25	2.50	2.81	3.19	3.62
H	mm	185	190	220	229	239	252	284	307	337	389	435	481
		in	7.28	7.48	8.7	9	9.4	9.9	11.2	12	13.3	15.4	17.1
Dx(W)	mm	160	160	160	160	160	160	160	200	200	250	250	300
		in	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	9.8	9.8	11.8
Weight (Kg)	RF	230	274	375	595	1030	1985	2100	3420	3670	3880	4100	4250
		BW	8	9	10	10	11	14.5	34.2	66	98	134	168

DN	NPS	CLASS 300											
		40	50	65	80	100	125	150	200	250	300	350	400
L	in	18	20	24	30	36	42	48	54	60	66	72	
		mm	203.2	203.2	203.2	304.8	304.8	304.8	381.0	381.0	381.0	457.2	457.2
L1	mm	114.5	127	154	165.1	200.2	251	276.4					
		in	4.50	5.00	6.06	6.50	7.88	9.88	10.88				
H	mm	521	568	698	903	1031	1122	1180	1425	1545	1624	1750	
		in	20.5	22.4	27.5	35.6	40.6	44.2	46.5	56	60.8	24	69
Dx(W)	mm	400	450	500	350	350	350	350	350	350	350	350	
		in	15.8	17.7	19.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Weight (Kg)	RF	274	375	595	1030	1985	2100	3420	3670	3880	4210	4335	
		BW	248	334	510	880	1580	1680	2736				

DN	NPS	CLASS 600											
		40	50	65	80	100	125	150	200	250	300	350	400
L	in	11.2	2	2.12	3	4	5	6	8	10	12	14	16
		mm			127	127	127	127	152	203.2	203.2	203.2	203.2
L1	mm	38.1	46	50.8	48	54	57.2	59	73	82.5	92	117.5	133.5
		in	1.5	1.81	2	1.88	2.12	2.25	2.31	2.88	3.25	3.62	4.62
H	mm	185	190	220	229	248	258	301	318	365	415	458	510
		in	7.28	7.48	8.7	9	9.8	10.2	11.9	12.5	14.4	16.3	18
Dx(W)	mm	160	160	160	160	160	160	200	200	250	250	300	400
		in	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	9.8	9.8	11.8
Weight (Kg)	RF	274	375	595	1030	1985	2100	3420	3670	3880	4210	4335	
		BW	9	10.5	11.5	12.5	13.2	17.6	39.8	88	143	157	222



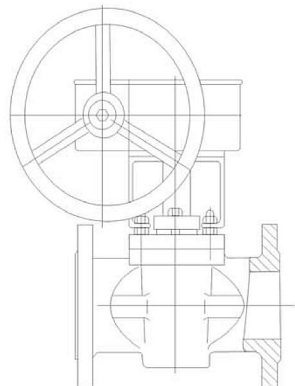
特种装备制造许可证
0096



特种装备制造许可证
0096

Self-Lubricated Plug Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



STANDARDS

Design and manufacture: API 6D ANSI B16.34

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Test: API 6D or API 598

Type of connection

R F and RTJ flange ends to ANSI B16.5 standard.

BW flange ends to ANSI B16.25 standard

Type of operation

Lever

Connection dimensions of worm Gear actuator,

Electric actuator,

Pneumatic actuator to ISO S211 standard

Anti-static Electricity constructions "AS" and

Fire-safe constructions "FD"

Material List

No	Part Name	Carbon Steel		Stainless Steel			
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Body	A216WCB	A35LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Bonnet	A216WCB	A35LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Plug	A105Ep.Cr	A182 F304	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stern	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Seat Ring	PTFE					
6	Gasket	PTFE or Stainless Steel and Graphite					
7	Stern seat	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
8	Small spring	17-17PH(Inconel for NACE)-Cr Alloy					
9	Small ball	A182 F304 A182 F316					
10	Gland	A 182 F6	A 182 F6	A 182 F304	A 182 F316	A 182 F304L	A 182 F316L
11	Gland flange	A216WCB	A35LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Stern packing	PTFE or Graphite					
13	Bonnet Bolt	A193 B7 A320 L7 A320 B8 A193B8M					
14	Bonnet Nut	A194 2H A194 4 A194 8					

The material is according to ASTM standard

Self-Lubricated Plug Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions and Weights

		CLASS 150											
		15	20	25	40	50	65	80	100	150	200	250	300
DN	mm	15	20	25	40	50	65	80	100	150	200	250	300
	NPS	in	1/2	3/4	1	1	2	2 1/2	3	4	6	8	10
L(F)	mm	108	117	127	165	178	191	203	229	294	457	533	610
	in	4.25	4.6	5	6.5	7	7.5	8	9	15.5	18	21	24
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521	559	635
	in	5.5	6	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22	25
L2(RTJ)	mm	119	129.7	139.7	178	191	203	216	241	406	470	546	622
	in	4.69	5.11	5.5	6.9	7.5	8	8.5	9.5	16	18.5	21.5	24.5
H	mm	59	63	75	92	153	165	195	213	272	342	495	590
	in	2.3	2.5	2.95	3.74	6.02	6.5	7.68	8.39	10.7	13.5	19.5	23.45
Do(W)	mm	130	160	230	400	400	600	850	1100	1500	1500	1500	1500
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8
RFI(kg)		2.3	3	4.5	7	15	20	25	40	97	160	240	300
BW(kg)		2.0	2.5	3.8	5.8	12	17	21	36	92.8	154	227	365

		CLASS 300											
		15	20	25	40	50	65	80	100	150	200	250	300
DN	mm	15	20	25	40	50	65	80	100 <td>150 <td>200 <td>250 <td>300</td> </td></td></td>	150 <td>200 <td>250 <td>300</td> </td></td>	200 <td>250 <td>300</td> </td>	250 <td>300</td>	300
	NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10
L(F)	mm	140	152	165	190	216	241	283	305	403	502	578	654
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	15.88	19.75	22.8	25.9
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521	559	635
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22	25
L2(RTJ)	mm	151	164.7	177.7	202.7	232	257	295	321	419	518	594	670
	in	5.95	6.48	7	8	9.13	10.13	11.75	12.63	16.5	20.39	23.4	26.4
H	mm	59	63	75	107	153	165	195	213	272	342	495	590
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68	8.39	10.7	13.5	19.5	23.45
Do(W)	mm	130	160	230	400	400	600	850	1100	1500	1500	1500	1500
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8
RFI(kg)		2.5	3.5	5.5	10.5	20	25	31	52	118	200	270	340
BW(kg)		2.1	3	4.8	8.7	17	22	28	48	105	185	255	325

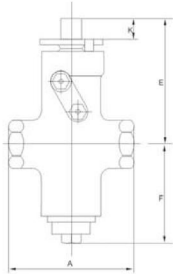
		CLASS 600											
		15	20	25	40	50	65	80	100	150	200	250	300
DN	mm	15	20	25	40	50	65	80	100 <td>150</td> <td>200</td> <td>250</td> <td>300</td>	150	200	250	300
	NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10
L(F)	mm	165	190	216	241	292	330	356	403	502	578	654	730
	in	6.5	7.48	8.5	9.5	11.5	13	14	16	20	22.8	25.9	29
L1(BW)	mm	165	190	216	241	292	330	356	403	502	578	654	730
	in	6.5	7.48	8.5	9.5	11.5	13	14	16	20	22.8	25.9	29
L2(RTJ)	mm	163.4	190	216	241	295	333	359	403	502	578	654	730
	in	6.43	7.48	8.5	9.5	11.63	13.13	14.13	16	20	22.8	25.9	29
H	mm	59	63	75	107	153	165	195	213	272	342	495	590
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68	8.39	10.7	13.5	19.5	23.45
Do(W)	mm	130	160	230	400	400	600	850	1100	1500	1500	1500	1500
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8
RFI(kg)		7.5	10.5	14.5	18.5	38	56	66	105	230	400	570	740
BW(kg)		6	8.7	11	14.7	31	49	58	97	215	375	525	695

*Worm Gear or Electric Actuator Operated.

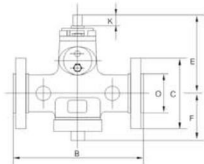


Class 150-300 Pressure Balanced Plug Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Valve designed to API 6D AND API 599
Valve tested to API 6D and API 598
Face to face to API 6D and ANSI B16.10
Flanged ends to ANSI B 16.5
Screwed ends to ANSI B1.20.1



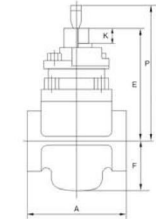
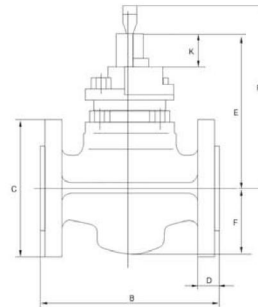
Dimensions and Weights

Class	Size	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"
150	A	89	133	133	229	229							
	B						178	191	203	229	267	292	330
	C						152	178	191	229	279	343	406
	D						19	22.4	23.6	23.8	25.4	29	31
	E	104	127	127	174	174		219	235	220	370	550	480
	F	76	97	97	126	126		161	179	209	264	311	359
	O	34.9	42.9	42.9	73	92	105	127	157	216	270	324	381
Weight(SW)	2.5	6.8	6.8	22	24.5								
Weight(PF)						19		33	52	80	158	245	350
300	B						191	216	241	263	305	403	419
	C						156	165	191	210	254	318	381
	D						20.6	22.2	25.4	28.3	31.8	36.5	41.3
	E	169	178					219	235	362			
	F	106	118					143	165	187	248	300	392
	O						73.0	92.1	105	127	157	216	270
	Weight(PF)						16	21		38	60	101	192
600	A	89	133	133	229	229							
	B	165	190	190	241	292			356	432	559	660	787
	C	95.3	117	117	156	195			210	273	356	419	508
	D	20.6	22.3	22.3	28.6	31.8			38.2	44.5	54.0	62.0	70.0
	E	104	127	127	176	176			217	232			
	F	76	97	97	116	116			143	165	548	298	313
	O	34.9	42.9	42.9	73	92	105	127	157	216	270	324	381
Weight(SW)	2.5	6.8	6.8	22	24.5			41	51	168	284	412	
Weight(PF)	5.3	9.0	9.0	49	54			46	85	254	406	584	



Class 150-300 Lubricated(Metal Seal) Plug Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Valve designed to API 6D AND API 599
Valve tested to API 6D and API 598
Face to face to API 6D and ANSI B16.10
Flanged ends to ANSI B 16.5
Screwed ends to ANSI B1.20.1

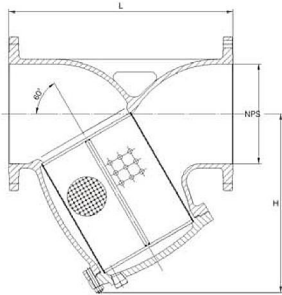
Dimensions and Weights

Class	Size	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"
150	A	95	95	111	133	165	191	203					
	B	130	130	140	165	178	191	203	229	267	292	330	356
	C	89	98.4	108	127	152	178	191	229	279	348	406	483
	D	9.53	12.7	14.3	17.5	19	22.4	23.9	23.9	25.4	29	31	32
	E	100	100	114	152	152	176	208	250	293	327	364	381
	F	48	48	49	70	71	87	102	114	160	179	219	289
	O	34.9	42.9	50.8	73	92	105	127	157	216	270	324	381
P	157	157	171	210	225	265	297	324	414	449	483		
Weight(SW)	3.2	3.2	5.0	8.1	13	23	27						
Weight(PF)	3.6	3.6	6.3	10	19	25	32	36	86	118	181		
300	A	95	95	111	133	165	191	203					
	B	140	140	159	191	216	241	263	305	403	419	457	502
	C	95.3	117	124	156	165	191	210	254	318	381	445	521
	D	14.3	15.9	17.5	20.6	22.2	25.4	28.6	31.8	36.5	41.3	47.6	50.8
	E	100	100	114	144	176	207	229	245	283			
	F	37	37	49	65	81	102	114	140	159	194	194	260
	O	34.9	42.9	50.8	73.0	92.1	105	127	157	216	270	324	381
P	157	157	171	210	265	297	325	343	403	506	510	546	
Weight(SW)	3.2	3.2	4.5	8.2	13	23	27						
Weight(PF)	3.6	3.6	6.3	14	18	27	38	75	111	213	240	346	



API Y-Type Strainer

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.



Dimensions and Weights

Class	NPS	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
150lb	L	203	216	241	292	406	495	622	698	787	914	
	H	205	230	255	300	390	490	550	640	720	800	
300lb	L	267		318	356	444	559	622	711	838	914	
	H	235		285	320	420	510	600	690	770	850	
600lb	L	292		356	432	559	660	787	838	889	991	
	H	255		305	340	440	530	650	740	790	880	

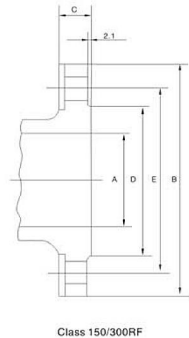
End Flange Dimensions

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions

Nominal size	Bore Ø	Outside Dia. Ø	Thickness of Flange	Raised face Dia. Ø	Dia of bolt circle E	Number of bolt holes	Dia of hole	Class 150 RF	
								1-1/2"	2"
1-1/2"	38.1	127	17.5	73	98.4	4	1/2"		
2"	50.8	152.4	19.1	92.1	120.7	4	5/8"		
2-1/2"	63.5	177.8	22.2	104.8	139.7	4	5/8"		
3"	76.2	190.5	23.8	127	152.4	4	5/8"		
4"	101.6	228.6	23.9	157.2	190.5	8	5/8"		
5"	127	254	23.8	185.7	215.9	8	3/4"		
6"	152.4	279.4	25.4	215.9	241.6	8	3/4"		
8"	203.2	342.9	28.6	269.9	298.5	8	3/4"		
10"	254	406.4	30.2	323.9	362	12	7/8"		
12"	304.8	482.6	31.8	381	431.8	12	7/8"		
14"	336.6	533.4	34.9	412.8	476.3	12	1"		
16"	387.4	596.9	36.5	469.9	539.8	16	1"		
18"	438.2	635	39.7	533.4	577.9	16	1-1/8"		
20"	489	698.5	42.9	584.2	635	20	1-1/8"		
24"	590.6	812.8	47.7	692.2	749.3	20	1-1/4"		
26"	635	869.9	68.3	749.3	836.4	24	1-3/8"		
28"	685.8	927.1	71.1	800.3	863.6	28	1-3/8"		
30"	736.6	984.2	74.7	857.2	914.4	28	1-3/8"		
32"	781.1	1060.4	80.8	914.4	977.9	28	1-5/8"		
34"	831.9	1111.2	82.5	965.2	1028.7	32	1-5/8"		
36"	876.3	1168.4	90.4	1022.3	1055.8	32	1-5/8"		
38"	927.1	1238.2	87.4	1073.1	1149.3	32	1-5/8"		
40"	977.9	1289	90.4	1123.9	1200.1	36	1-5/8"		
42"	1022.4	1346.2	96.8	1193.8	1257.3	36	1-5/8"		
						Class 300 RF			
1-1/2"	38.1	155.6	20.6	73	114.3	4	3/4"		
2"	50.8	165.1	22.2	92.1	127	8	5/8"		
2-1/2"	63.5	190.5	25.4	104.8	149.2	8	3/4"		
3"	76.2	209.5	28.6	127	168.3	8	3/4"		
4"	101.6	254	31.8	157.2	200	8	3/4"		
5"	127	279.4	34.9	185.7	235	8	3/4"		
6"	152.4	317.5	36.5	215.9	269.9	12	3/4"		
8"	203.2	381	41.3	269.9	330.2	12	7/8"		
10"	254	444.5	47.6	323.9	387.4	16	1"		
12"	304.8	520.7	50.8	381	450.9	16	1-1/8"		
14"	336.6	584.2	54	412.8	514.4	20	1-1/8"		
16"	387.4	647.7	57.2	469.9	571.5	20	1-1/4"		
18"	431.8	711.2	60.3	533.4	638.7	24	1-1/4"		
20"	482.5	774.7	63.5	584.2	685.8	24	1-1/4"		
22"	533.4	838.2	66.5	641.4	743	24	1-1/2"		
24"	534.2	914.4	69.9	692.2	812.8	24	1-1/2"		
26"	635	971.5	79.2	749.2	876.3	28	1-3/4"		
28"	685.8	1035	85.5	800.1	939.8	28	1-3/4"		
30"	736.6	1092.2	91.9	857.2	996.9	28	1-7/8"		
32"	781.1	1149.3	96.5	914.4	1054.1	28	2"		
34"	831.9	1203.5	101.6	965.2	1104.9	28	2"		
36"	876.3	1270	104.6	1022.3	1168.4	32	2-1/8"		
38"	927.1	1168.4	107.9	1028.7	1092.2	32	1-5/8"		
40"	977.9	1238.2	114.3	1085.8	1155.7	32	1-3/4"		
						Class 600 RF			
1-1/2"	38.1	155.6	22.2	73	114.3	4	3/4"		
2"	50.8	165.1	25.4	92.1	127.0	8	5/8"		
2-1/2"	63.5	190.5	28.6	104.8	149.2	8	3/4"		
3"	76.2	209.6	31.8	127.0	168.3	8	3/4"		

Integral Steel Flanges for Valves
 1-1/2"-24" ANSI B16.5 1981
 BS 1560 1958
 >24" MSS SP-44 1991



Class 150/300RF



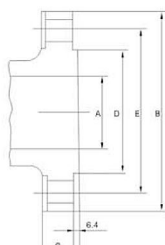
ISO9001:2008 特种设备制造许可证 0456

End Flange Dimensions

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Dimensions

Nominal Size	Bore Dia	Outside Dia	Thickness of Flange C	Flange face Dia D	Dist of bolt Circle E	Number of bolt holes	Dist of bolt
Class 1500 RF							
4"	101.6	273.1	38.1	157.2	215.9	8	7 7/8"
5"	127.0	330.2	44.5	185.7	266.7	8	1"
6"	152.4	355.6	47.6	215.9	292.1	12	1 1/8"
8"	200.0	419.1	55.6	269.9	349.3	12	1 1/8"
10"	247.7	508.0	63.5	323.9	431.8	16	1 1/4"
12"	298.5	558.8	66.7	371.0	489.0	20	1 1/4"
14"	337.0	603.3	68.9	412.8	527.1	20	1 3/8"
16"	374.7	685.8	76.2	469.9	603.3	20	1 1/2"
18"	419.1	743.1	82.6	533.5	654.1	20	1 5/8"
20"	463.6	812.8	88.9	584	723.9	24	1 5/8"
24"	558.8	939.8	101.6	692.2	838.2	24	1 7/8"
26"	635.0	1016.0	107.9	749.3	914.4	28	2"
28"	685.8	1073.1	111.2	800.1	965.2	28	2 1/8"
30"	736.6	1130.3	114.3	857.3	1022.3	28	2 1/8"
32"	784.4	1192.8	117.3	914.4	1079.5	28	2 1/8"
34"	831.9	1244.6	120.6	965.2	1130.3	28	2 3/8"
36"	876.3	1314.4	123.9	1022.4	1193.8	28	2 5/8"



Class 600/900/2500RF

Nominal Size	Bore Dia	Outside Dia	Thickness of Flange C	Flange face Dia D	Dist of bolt Circle E	Number of bolt holes	Dist of bolt
Class 600/900/2500RF							
1 1/2"	341.8	177.8	31.8	73.0	123.8	4	1"
2"	47.5	215.9	38.1	92.1	165.1	8	7/8"
2 1/2"	57.2	244.5	41.2	104.8	190.5	8	1"
3"	72.9	241.3	38.1	127.0	190.5	8	7/8"
4"	98.9	292.1	44.5	157.2	235.1	8	1 1/8"
5"	120.7	349.3	50.8	185.7	279.4	8	1 1/4"
6"	146.1	381.0	55.6	215.9	317.5	12	1 1/8"
8"	193.5	469.9	63.5	269.9	393.7	12	1 3/8"
10"	238.0	546.1	69.9	323.9	469.9	16	1 3/8"
12"	282.4	609.6	79.4	381.0	533.4	20	1 3/4"
14"	311.2	641.4	85.7	412.8	558.8	20	1 1/2"
16"	355.6	704.9	88.9	469.9	616.0	20	1 5/8"
18"	401.1	781.4	94.6	533.5	685.0	20	1 7/8"
20"	444.5	857.3	108.0	584.2	749.3	20	2"
24"	533.4	1041.4	139.7	692.2	901.7	20	2 1/2"

Nominal Size	Bore Dia	Outside Dia	Thickness of Flange C	Flange face Dia D	Dist of bolt Circle E	Number of bolt holes	Dist of bolt
Class 1500							
1 1/2"	28.6	203.2	44.5	73.0	146.1	4	1 1/8"
2"	37.1	235.0	50.8	92.1	171.5	8	1"
2 1/2"	47.6	266.7	57.2	104.8	196.9	8	1 1/8"
3"	57.2	305.8	66.5	127.0	228.6	8	1 1/4"
4"	73.0	355.6	76.2	157.2	273.1	8	1 1/2"
5"	92.1	419.1	92.0	185.5	323.9	8	1 3/4"
6"	111.1	487.6	108.0	215.9	368.3	8	2"
8"	146.1	552.5	127.0	269.9	438.2	12	2"
10"	184.2	679.1	165.1	320.0	539.8	12	2 1/2"
12"	219.1	762.0	184.2	381.0	619.3	12	2 3/4"



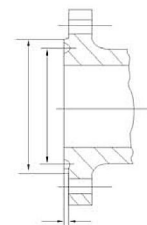
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Ring Joint Facings And Rings

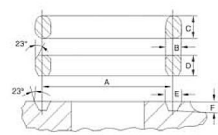
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

American National Standard-Dimensions, in Inches

Class	Size	Ring No.	A	B	C	D	E	F	H
Class 300 400 600	1-1/2"	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.56
	2"	R23	2.250	0.438	0.688	0.625	0.469	0.312	4.25
	2-1/2"	R26	4.000	0.438	0.688	0.625	0.469	0.312	5.00
	3"	R31	4.875	0.438	0.688	0.625	0.469	0.312	5.75
	3-1/2"	R34	5.188	0.438	0.688	0.625	0.469	0.312	6.25
	4"	R37	5.875	0.438	0.688	0.625	0.469	0.312	6.88
	5"	R41	7.125	0.438	0.688	0.625	0.469	0.312	8.25
	6"	R45	8.312	0.438	0.688	0.625	0.469	0.312	9.5
	8"	R49	10.625	0.438	0.688	0.625	0.469	0.312	11.88
	10"	R53	12.750	0.438	0.688	0.625	0.469	0.312	14.00
	12"	R57	15.000	0.438	0.688	0.625	0.469	0.312	16.25
	14"	R61	16.500	0.438	0.688	0.625	0.469	0.312	18.00
16"	R65	18.500	0.438	0.688	0.625	0.469	0.312	20.00	
18"	R69	21.000	0.438	0.688	0.625	0.469	0.312	22.62	
20"	R73	23.000	0.500	0.750	0.688	0.531	0.375	25.00	
24"	R77	27.250	0.625	0.875	0.812	0.656	0.438	29.50	



Class	Size	Ring No.	A	B	C	D	E	F	H
Class 900	1-1/2"	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.62
	2"	R24	3.750	0.438	0.688	0.625	0.469	0.312	4.88
	2-1/2"	R27	4.250	0.438	0.688	0.625	0.469	0.312	5.39
	3"	R31	4.875	0.438	0.688	0.625	0.469	0.312	6.12
	4"	R37	5.875	0.438	0.688	0.625	0.469	0.312	7.12
	5"	R41	7.125	0.438	0.688	0.625	0.469	0.312	8.50
	6"	R45	8.312	0.438	0.688	0.625	0.469	0.312	9.50
	8"	R49	10.625	0.438	0.688	0.625	0.469	0.312	12.12
	10"	R53	12.750	0.438	0.688	0.625	0.469	0.312	14.25
	12"	R57	15.000	0.438	0.688	0.625	0.469	0.312	16.50
	14"	R62	16.500	0.625	0.875	0.812	0.656	0.438	18.38
	16"	R66	18.500	0.625	0.875	0.812	0.656	0.438	20.62
18"	R70	19.000	0.750	1.000	0.938	0.781	0.500	23.38	
20"	R74	23.000	0.750	1.000	0.938	0.781	0.500	26.50	
24"	R78	27.250	1.000	1.312	1.250	1.062	0.625	30.88	
Class 1500	1-1/2"	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.62
	2"	R24	3.750	0.438	0.688	0.625	0.469	0.312	4.88
	2-1/2"	R27	4.250	0.438	0.688	0.625	0.469	0.312	5.38
	3"	R35	5.375	0.438	0.688	0.625	0.469	0.312	6.62
	4"	R39	6.375	0.438	0.688	0.625	0.469	0.312	7.62
	5"	R44	7.625	0.438	0.688	0.625	0.469	0.312	9.00
	6"	R46	8.312	0.500	0.750	0.688	0.531	0.375	9.75
	8"	R50	10.625	0.625	0.875	0.812	0.656	0.438	12.50
	10"	R54	12.750	0.625	0.875	0.812	0.656	0.438	14.25
	12"	R58	15.000	0.875	1.125	1.062	0.906	0.562	17.62
	14"	R63	16.500	1.000	1.312	1.250	1.062	0.625	19.25
	16"	R67	18.500	1.125	1.438	1.375	1.188	0.688	21.50
18"	R71	21.000	1.125	1.438	1.375	1.188	0.688	24.12	
20"	R75	23.000	1.250	1.562	1.500	1.312	0.688	26.50	
24"	R79	27.250	1.375	1.750	1.625	1.438	0.812	31.25	



Class 300/400/600/900/1500 Oval rings fit grooves having either a flat or round bottom; Octagonal rings only fit grooves having a flat bottom.



Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Nominal Pipe Size	Schedule Number or Wall	Outside Diameter A		Nominal Inside Diameter B		Machined Inside Diameter C		Nominal Wall Thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
2-1/2	40	2.88	73.0	2.469	62.6	2.479	62.97	0.203	5.2
	80			2.233	57.0	2.351	59.72	0.276	7.0
	160			2.125	54.0	2.178	55.32	0.375	9.5
	XXS			1.771	45.0	1.868	47.45	0.552	14.0
3	40	3.50	88.9	3.068	77.9	3.081	78.26	0.216	5.5
	80			2.900	73.7	2.934	74.52	0.300	7.6
	160			2.624	66.7	2.692	68.38	0.438	11.1
	XXS			2.300	58.5	2.409	61.19	0.600	15.2
3-1/2	40	4.00	101.6	3.548	90.2	3.564	90.53	0.226	5.7
	80			3.364	85.4	3.402	86.41	0.318	8.1
	160			4.026	102.3	4.044	102.72	0.237	6.0
	XXS			3.826	97.1	3.959	98.27	0.337	8.6
4	40	4.50	114.3	3.624	92.1	3.692	93.78	0.438	11.1
	120			3.428	87.3	3.530	89.66	0.531	13.5
	160			3.152	80.1	3.279	83.29	0.674	17.1
	XXS			5.047	128.1	5.070	128.78	0.258	6.6
5	40	5.56	141.3	4.813	122.3	4.866	123.60	0.375	9.5
	120			4.583	115.9	4.647	118.03	0.500	12.7
	160			4.313	109.5	4.428	112.47	0.625	15.9
	XXS			4.083	103.3	4.209	106.91	0.750	19.0
6	40	6.62	168.3	6.065	154.1	6.094	154.79	0.280	7.1
	120			5.761	146.3	5.828	148.03	0.432	11.0
	160			5.501	139.7	5.600	142.24	0.562	14.3
	XXS			5.187	131.7	5.326	135.28	0.719	18.3
8	40	8.62	219.1	7.981	202.7	8.020	203.71	0.322	8.2
	120			7.813	198.5	7.873	199.97	0.406	10.3
	160			7.625	193.7	7.709	195.61	0.500	12.7
	XXS			7.437	188.9	7.544	192.62	0.894	15.1
10	40	10.75	273	7.187	182.5	7.326	186.08	0.719	18.3
	120			7.001	177.9	7.163	181.94	0.812	20.6
	160			6.875	174.7	7.053	179.15	0.875	22.2
	XXS			6.813	173.1	6.998	177.75	0.906	23.0
12	40	12.75	323.8	10.020	254.4	10.070	255.78	0.365	9.3
	120			9.750	247.6	9.834	249.78	0.500	12.7
	160			9.562	242.8	9.670	245.62	0.594	15.1
	XXS			9.312	236.4	9.451	240.06	0.719	18.3
14	40	14.00	355.6	9.062	230.2	9.232	234.49	0.844	21.4
	120			8.750	222.2	8.959	227.56	1.000	25.4
	160			8.500	215.8	8.740	222.00	1.125	28.6
	XXS			12.000	304.8	12.053	306.15	0.375	9.5
16	40	16.00	406.4	11.938	303.2	11.999	304.77	0.406	10.3
	120			11.750	298.4	11.834	300.58	0.500	12.7
	160			11.626	295.2	11.725	297.82	0.562	14.3
	XXS			11.374	288.8	11.505	292.23	0.688	17.5
18	40	18.00	457.2	11.062	281.0	11.232	285.29	0.844	21.4
	120			10.75	273.0	10.959	278.36	1.00	25.4
	160			10.500	266.6	10.740	272.80	1.125	28.6
	XXS			10.126	257.2	10.413	264.49	1.312	33.3

Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

Nominal Pipe Size	Schedule Number or Wall	Outside Diameter A		Nominal Inside Diameter B		Machined Inside Diameter C		Nominal Wall Thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
14	STD	14.00	355.6	13.250	336.6	13.303	337.90	0.375	9.5
	40			13.124	333.4	13.192	335.08	0.438	11.1
	XS			13.000	330.2	13.084	332.33	0.500	12.7
	80			12.812	325.4	12.960	328.17	0.594	15.1
	100			12.500	317.6	12.646	321.21	0.750	19.0
	120			12.124	308.0	12.318	312.88	0.938	23.8
	140			11.812	300.0	12.044	305.92	1.094	27.8
	160			11.500	292.0	11.771	298.98	1.250	31.8
	180			11.188	284.2	11.498	292.05	1.406	35.7
	STD			15.250	387.4	15.303	388.70	0.375	9.5
	40			15.000	381.0	15.084	383.13	0.500	12.7
	80			14.688	372.0	14.811	376.20	0.656	16.7
16	40	16.00	406.4	14.312	363.6	14.482	367.84	0.844	21.4
	100			13.908	354.0	14.155	359.54	1.031	26.2
	120			13.562	344.4	13.826	351.18	1.219	31.0
	140			13.124	333.4	12.442	341.43	1.438	36.5
	160			12.812	325.4	13.170	334.52	1.594	40.5
	STD			17.250	438.2	17.303	439.50	0.375	9.5
	XS			17.000	431.8	17.084	433.93	0.500	12.7
	40			16.876	428.6	16.975	431.17	0.562	14.3
	60			15.500	419.2	16.646	422.81	0.750	19.0
	80	18.00	457.2	16.124	409.6	16.318	414.48	0.938	23.8
	100			15.688	398.4	15.936	404.77	1.156	29.4
	120			15.250	387.4	15.553	395.05	1.375	34.9
18	40	18.00	457.2	14.876	377.8	15.225	386.72	1.562	39.7
	160			14.438	366.8	14.618	371.98	1.750	45.2
	180			19.250	489.0	19.303	490.30	0.500	9.5
	XS			19.000	482.6	19.084	484.73	0.594	12.7
	40			18.812	477.8	18.920	480.57	0.812	15.1
	60			18.376	466.8	18.538	470.87	1.031	26.2
	80			17.938	455.6	18.155	461.14	1.281	32.6
	100			17.438	443.0	17.717	450.01	1.500	32.5
	120			17.000	431.8	17.354	440.28	1.750	38.1
	140			16.500	419.2	16.896	429.16	1.989	44.4
	160			16.062	408.0	16.513	419.43	0.375	9.5
	STD			21.250	539.8	21.303	541.10	0.500	9.5
40			21.000	533.4	21.084	535.53	0.875	12.7	
60			20.250	514.4	20.428	518.67	1.125	22.2	
22	40	22.00	558.8	19.750	501.6	19.990	507.75	1.375	28.6
	100			19.250	489.8	19.553	496.65	1.625	35.0
	120			18.750	478.2	19.115	485.32	1.875	41.3
	140			18.250	463.6	18.878	474.42	2.125	47.6
	160			17.750	450.8	18.240	463.30	0.375	9.5
	STD			23.250	590.6	23.303	591.90	0.500	9.5
	XS			23.000	584.2	23.084	586.33	0.562	12.7
	40			22.876	571.0	22.975	583.57	0.688	14.4
	60			22.624	574.6	22.755	577.98	0.969	17.5
	80			22.362	560.4	22.263	565.82	1.215	24.6
	100			21.562	547.6	21.826	554.38	1.531	31.0
	120			20.908	531.8	21.280	540.51	1.812	38.9
140			20.376	517.6	20.788	528.02	2.062	46.0	
160			19.876	504.8	20.350	516.89	2.344	52.4	
180			19.312	490.6	19.857	504.37	2.614	59.5	

Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve Y-Strainer.

CLASS	SIZE		Dimensions(mm)								Weight(kg)	
	mm	in	L(FP)	L(RT)	L(W)	H	H1	W	R.F	RF	BW	
150LBS	50	2	178	191	216	400	-	200	19	16		
	65	2-1/2	190	203	241	435	-	220	25	21		
	80	3	203	216	283	500	-	250	35	31		
	100	4	229	241	305	590	-	280	48	43		
	125	5	254	267	381	725	-	300	63	58		
	150	6	267	279	403	775	-	300	80	75		
	200	8	292	305	419	965	1000	350	125	113		
	250	10	330	343	457	1185	1225	400	185	173		
	300	12	356	368	502	1380	1425	450	280	223		
	350	14	381	394	572	1550	1590	500	386	316		
	400	16	406	418	610	1740	1780	550	495	395		
	450	18	432	445	660	1960	2000	600	590	520		
	500	20	457	470	711	2175	2215	700	750	630		
	600	24	508	521	813	2565	2605	750	995	905		
	650	26	559	-	864	-	2800	-	1500	1380		
	700	28	610	-	914	-	3050	-	1910	1800		
	750	30	610	622	914	-	3130	-	2350	2070		
	800	32	711	-	965	-	3280	-	2500	2250		
900	36	711	724	1016	-	3720	-	3450	3200			
1000	40	813	-	1067	-	4200	-	4520	-			
1050	42	813	-	1143	-	4400	-	4950	-			
1200	48	1067	-	1371	-	5000	-	6300	-			
1500	60	-	-	-	-	-	-	-	-			

CLASS	SIZE		Dimensions(mm)								Weight(kg)	
	mm	in	L(FP)	L(RT)	L(W)	H	H1	W	R.F	RF	BW	
300LBS	50	2	216	232	216	425	-	200	25	22		
	65	2-1/2	241	257	241	445	-	220	32	28		
	80	3	283	298	283	535	-	250	47	41		
	100	4	305	321	305	620	-	280	72	64		
	125	5	381	397	381	750	-	300	105	95		
	150	6	403	419	403	800	-	350	128	115		
	200	8	419	435	419	1005	1040	400	212	200		
	250	10	457	473	457	1235	1275	450	330	280		
	300	12	502	518	502	1440	1480	500	430	370		
	350	14	762	778	762	1620	1660	550	700	630		
	400	16	838	854	838	1805	1845	600	930	860		
	450	18	914	930	914	2080	2030	700	1135	935		
	500	20	991	1010	991	2200	2260	750	1350	1050		
	600	24	1143	1165	1143	2580	2640	900	2140	1650		
	650	26	1245	1270	1245	-	2850	-	2950	2450		
	700	28	1346	1372	1346	-	3100	-	3350	2850		
	750	30	1397	1422	1397	-	3200	-	3600	3100		
	800	32	1524	1553	1524	-	3350	-	4380	3800		
900	36	1727	1756	1727	-	3800	-	6000	5300			
1000	40	1955	-	1955	-	4300	-	7970	-			
1050	42	2032	-	2032	-	4500	-	9510	-			
1200	48	2286	-	2286	-	5150	-	12600	-			

Our Production

FASANI owns the workshop for cast steel/stainless steel/duplex steel gate, globe, check and ball valves.

We purchase high-quality castings and have professional engineer and skilled workers to take charge of the whole process from machining, drilling, pickling, polishing to assembling. After pressure testing, the products will get through out-looking rechecking/defect repairing before painting/coating. When all this process is done, the products need to be inspected strictly by our inspectors before package and delivery.

Our most stable support is come from our skilled workers. Because of their diligence and hard-working, our workshop can fulfill the production on time and keep the quality good always.

