

ASA Class 150/300

Technical Data	
Manufacturing STD:	API 600 / BS 1414
Testing & Inspection STD:	API 598
Face to Face:	as per ANSI B 16.10
Shell wall thickness:	ANSI B 16.34
End connections:	Flanged as per ANSI B 16.5

No.	Description	Material	Qty.
01	Body	ASTM A 216 Gr. WCB	1
02	Bonnet	ASTM A 216 Gr. WCB	1
03	Wedge	AISI 410 (13% CR.)	1
04	Seat ring	AISI 410 (13% CR.)	1
05	Stem	AISI 410 (13% CR.)	1
06	Gland	Carbon Steel	1
07	Yoke Sleeve	NI - Resist	1
08	Bnnet Bush	AISI 410	1
09	Gasket	Spiral wound metallic Gasket	1
10	Gland packing	Matalic Wire Reinforced Graphited Asbestos / Grafoil	-
11	Bonnet Stud & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	-
12	Eye Bolt & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	2 Set
13	Hand Wheel	Cast Iron	1
14	Hand Wheel Nut	Carbon Steel	1

Primary service rating & test pressure				
Class	Working press.	HYD. Test pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	500 ° F
300	300 PSIG	1100 PSIG	800 PSIG	800 ° F

Air Test - Seat 80 PSIG ± 10 PSIG

Class - 150								
Size	A	B	ø C	ø D	ø M	N	PCD	øJ
25	127.0	14.2	51	108	16	4	79.0	123
40	165.0	17.5	73	127	16	4	98.5	152
50	178.0	19.0	92	152	19	4	120.5	203
65	190.5	22.3	105	178	19	4	140.0	203
80	203.0	24.0	127	190	19	4	152.4	254
100	229.0	24.0	157	229	19	8	190.5	305
125	254.0	24.0	186	254	22	8	216.0	305
150	267.0	25.0	216	278	22	8	241.0	356
200	292.0	28.5	270	343	22	8	298.4	356
250	330.0	30.0	324	406	25	12	362.0	406
300	356.0	32.0	381	483	25	12	432.0	457
350	381.0	35.0	413	534	29	12	476.0	508
400	406.0	36.5	470	597	29	16	540.0	508

Class - 300								
Size	A	B	ø C	ø D	ø M	N	PCD	øJ
40	190.5	20.5	73	155.5	22	4	114	152
50	216.0	22.0	92	165.0	22	8	127	203
65	241.0	25.0	105	190.5	22	8	149	203
80	282.5	28.5	125	209.5	22	8	168	254
100	305.0	32.0	157	254.0	22	8	200	305
125	381.0	35.0	186	279.4	22	8	235	305
150	403.0	36.5	216	317.5	22	12	270	356
200	419.0	41.0	270	381.0	25	12	330	356

250	457.0	47.5	324	444.5	29	16	387	406
300	502.0	51.0	381	521.0	32	16	451	457
350	762.0	54.0	413	584.0	32	20	515	508
400	838	57.0	470	648.0	32	20	572	508
all dimension are in mm								

Note : Due to constant upgradation designs & dimensions are subject to change without notice.

ASA Class 400/600

Technical Data	
Manufacturing STD:	API 600 / BS 1414
Testing & Inspection STD:	API 598
Face to Face:	as per ANSI B 16.10
Shell wall thickness:	ANSI B 16.34
End connections:	Flanged as per ANSI B 16.5

No.	Description	Material	Qty.
01	Body	ASTM A 216 Gr. wcb	1
02	Bonnet	ASTM A 216 Gr. wcb	1
03	Wedge	AISI 410 (13% CR.)	1
04	Seat ring	AISI 410 (13% CR.)	1
05	Stem	AISI 410 (13% CR.)	1
06	Gland	Carbon Steel	1
07	Yoke Sleeve	NI - Resist	1
08	Bonnet Bush	AISI 410	1
09	Gasket	Spiral wound metallic Gasket	1
10	Gland packing	Matalic Wire Reinforced Graphited Asbestos/ GRAFOIL	-
11	Bonnet Stud & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	-
12	Eye Bolt & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	2 Set

13	Hand Wheel	Cast Iron	1
14	Hand Wheel Nut	Carbon Steel	1

Primary service rating & test pressure				
Class	Working press.	HYD. Test pressure		
		Body	Seat	Temp.
400	400 PSIG	1450 PSIG	1060 PSIG	800 ° F
600	600 PSIG	2175 PSIG	1600 PSIG	800 ° F

Air Test - Seat 80 PSIG ± 10 PSIG

Class - 400								
Size	A	B	ø C	ø D	ø M	N	PCD	øJ
40	242	22	73	156	22	4	114	250
50	291	25	92	165	19	8	127	305
65	331	29	105	191	22	8	149	305
80	357	32	127	210	22	8	168	405
100	407	35	157	254	25	8	200	405
125	456	38	186	279	25	8	235	490
150	496	41	216	318	25	12	270	490
200	598	48	270	381	29	12	330	610
250	674	54	324	445	32	16	387	675
300	763	57	381	521	35	16	451	675

Class - 600								
Size	A	B	ø C	ø D	ø M	N	PCD	øJ
40	242	22	73	156	22	4	114	250
50	292	25	92	165	19	8	127	250
65	331	29	105	191	22	8	149	405
80	357	32	127	210	22	8	168	405
100	433	38	157	273	25	8	216	490
125	509	45	186	330	29	8	267	490

150	560	48	216	356	29	12	292	610
200	659	56	270	419	32	12	349	675
250	788	64	324	508	35	16	432	825
300	839	67	381	559	35	16	489	825
350	890	70	413	603	38	20	527	825
400	990	76	470	686	41	20	603	1000
all dimesion are in mm								

Note : Due to constant upgradation designs & dimensions are subject to change wihtout notice.

Butt Weld End Gate Valve

Technical Data	
Manufacturing STD:	API 600 / BS 1414
Testing & Inspection STD:	API 598
Face to Face:	as per ANSI B 16.10
Shell wall thickness:	ANSI B 16.34
Butt weld ends:	ANSI B 16.25

No.	Description	Material	Qty.
01	Body	ASTM A 216 Gr. wcb	1
02	Bonnet	ASTM A 216 Gr. wcb	1
03	Wedge	AISI 410 (13% CR.)	1
04	Seat ring	AISI 410 (13% CR.)	1
05	Stem	AISI 410 (13% CR.)	1
06	Gland	Carbon Steel	1
07	Yoke Sleeve	NI - Resist	1
08	Bnnet Bush	AISI 410	1
09	Gasket	Spiral wound metalic Gasket	1
10	Gland packing	Matalic Wire Reinforced Graphited Asbestos	-
11	Bonnet Stud & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	-
12	Eye Bolt & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	2 Set
13	Hand Wheel	Cast Iron	1
14	Hand Wheel Nut	Carbon Steel	1

Primary service reating & test pressure				
Class	Working press.	HYD. Test pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	500 ° F
300	300 PSIG	1100 PSIG	800 PSIG	800 ° F
400	400 PSIG	1450 PSIG	1060 PSIG	800 ° F
600	600 PSIG	2175 PSIG	1600 PSIG	800 ° F

Air Test - Seat 80 PSIG ± 10 PSIG

	Class - 150		Class - 300		Class - 400		Class - 600	
Size	A	ø J	A	ø J	A	ø J	A	ø J
25	128	123						
40	166	152	192	152	242	250	242	250
50	179	203	215	203	291	305	291	250
65	191	203	240	203	331	305	331	405
80	202	254	281	254	355	405	355	405
100	230	305	304	305	405	405	433	490
125	255	305	380	356	456	490	507	490
150	268	356	402	356	494	490	560	610
200	293	356	420	406	596	610	659	675
250	331	406	456	457	672	675	786	825
300	335	457	501	508	761	825	837	825

all dimesion are in mm

Note : Due to constant upgradation designs & dimensions are subject to change wihtout notice.