

FCS Check Valves: ASA Class 800

Technical Data	
Manufacturing STD:	BS 5352
Testing & Inspection STD:	API 598
Socket weld & Threaded to:	As per ANSI B 16.10/ ANSI B 1.20.1
Flanged to:	ANSI B 16.5
Flanged to Flange Distance:	ANSI B 16.10

Screwed / Socket Weld Class - 800						
Size	A	B	ø E	ø F	ø G	H
15	86	10	13	22.0	9.0	50
20	91	13	13	27.5	12.7	62
25	104	13	15	34.0	17.5	68
40	127	15	25	48.6	26.8	100
50	143	16	25	61.0	36.5	100

Test Pressure	
Body	Seat
3000 PSIG	2000 PSIG
Air test of seat at 100 PSIG	

Class - 150						
Size	A	ø C	ø D	ø M	N	PCD
15	107	35	89	16	4	60.4
20	119	43	98	16	4	70.0
25	138	51	108	16	4	79.0
40	164	73	127	16	4	98.5
50	204	92	152	19	4	120.6

Class - 300						
Size	A	Ø C	Ø D	Ø M	N	PCD
15	153	35	95	16	4	66.5
20	179	43	118	19	4	82.5
25	204	51	124	19	4	89.0
40	230	73	155	19	4	114.0
50	268	92	165	22	8	127.0

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

FCS Gate Valves : ASA Class 800

Technical Data	
Manufacturing STD:	API 602
Testing & Inspection STD:	API 598
Socket weld & Threaded to:	As per ANSI B 16.10/ ANSI B 1.20.1
Flanged to:	ANSI B 16.34
Flanged to Flange Distance:	ANSI B 16.10

No.	Description	Material	Qty.
01	Body	Forge Steel ASTM A 105	1
02	Bonnet	Forge Steel ASTM A 105	1
03	Wedge	AISI 410 (13% CR.)	1
04	Seat ring	AISI 410 (13% CR.)	1
05	Stem	AISI 410 (13% CR.)	2
06	Gland Bush	AISI 410 (13% CR.)	1
07	Gland Flange	ASTM A 105	1
08	Yoke Sleeve	NI - Resist	1
09	Bonnet Gasket	Spiral wound s.s. 304 with CAF	1
10	Gland packing	S.S. Metal wire braided Asbestos	-
11	Bonnet Stud	ASTM A 193 Gr. B7/	4 Set

	& Nut	ASTM A 194 Gr. 2H	
12	Eye Bolt & Nut	Forged C.S.	2 Set
13	Screw & Washer	M. S. Galvanised	2 Set
14	Hand Wheel	Cast Iron / C.S.	1
15	Hand Wheel Nut	Carbon Steel	1

Test Pressure	
Body	Seat
3000 PSIG	2000 PSIG
Air test of seat at 100 PSIG	

Screwed / Socket Weld Class - 800									
Size	A	B	ø E	ø F	ø G	H	H1	DT	ø J
15	86	10	13	22.0	9.5	154	174	13	94
20	91	13	15	27.5	14.0	160	185	13	94
25	104	13	22	34.0	18.0	168	198	15	98
40	127	15	36	48.6	32.0	231	274	25	142
50	143	16	45	61.0	42.0	242	287	25	142

Class - 150							
Size	A	ø C	ø D	ø G	ø M	N	PCD
15	107	35	89	11	16	4	60.4
20	119	43	98	13	16	4	70.0
25	126	51	108	14	16	4	79.0
40	164	73	127	14	16	4	98.5
50	177	92	152	16	19	4	120.6

Class - 300							
Size	A	ϕ C	ϕ D	ϕ G	ϕ M	N	PCD
15	139	35	95	14	16	4	66.5
20	151	43	118	16	19	4	82.5
25	164	51	124	17.5	19	4	89.0
40	190	73	155	21.0	19	4	114.0
50	215	92	165	22.0	22	8	127.0

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FCS Globe Valves: ASA Class 800

Technical Data	
Manufacturing STD:	BS 5352
Testing & Inspection STD:	API 598
Socket weld & Threaded to:	As per ANSI B 16.11/ ANSI B 1.20.1
Flanged to:	ANSI B 16.50
Flanged to Flange Distance:	ANSI B 16.10

No.	Description	Material	Qty.
01	Body	Forge Steel ASTM A 105	1
02	Bonnet	Forge Steel ASTM A 105	1
04	Seat ring	AISI 410 (13% CR.)	1
	Disc	AISI 410 (13% CR.)	
05	Stem	AISI 410 (13% CR.)	2
06	Gland Bush	AISI 410 (13% CR.)	1
07	Gland Flange	ASTM A 105	1
08	Yoke Sleeve	NI - Resist	1
09	Bonnet Gasket	Spiral wound s.s. 304 with CAF	1
10	Gland packing	S.S. Metal wire braided Asbestos	-

11	Bonnet Stud & Nut	ASTM A 193 Gr. B7/ ASTM A 194 Gr. 2H	4 Set
12	Eye Bolt & Nut	Forged C.S.	2 Set
13	Screw & Washer	M. S. Galvanised	2 Set
14	Hand Wheel	Cast Iron / C.S.	1
15	Hand Wheel Nut	Carbon Steel	1

Test Pressure	
Body	Seat
3000 PSIG	2000 PSIG
Air test of seat at 100 PSIG	

Screwed / Socket Weld Class - 800							
Size	A	B	ø E	ø F	ø G	H	ø J
15	86	10	13	22.0	9.5	150	78
20	91	13	13	27.5	12.7	165	78
25	104	13	15	34.0	17.5	185	100
40	127	15	25	48.6	28.6	239	142
50	143	16	25	61.0	36.5	248	142

Class - 150						
Size	A	ø C	ø D	ø M	N	PCD
15	107	35	89	16	4	60.4
20	119	43	98	16	4	70.0
25	126	51	108	16	4	79.0
40	164	73	127	16	4	98.5
50	204	92	152	19	4	120.6

Class - 300						
Size	A	ø C	ø D	ø M	N	PCD
15	153	35	95	16	4	66.5
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