

Single Piece Design (Flange End)

Technical Data	
Design & Manufacturing STD:	BS 5351, API 602
Testing & Inspection STD:	API 598/ BS : 5146
Face to Face:	as per ANSI B 16.10
End connections:	Flanged as per ANSI B 16.5

Primary service reating & test pressure				
Class	Working	HYD. Test pressure press.		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	200° F
300	300 PSIG	1100 PSIG	800 PSIG	200° F
Air Test - Seat 80 PSIG ± 10 PSIG				

Class 150							
Size	A	B	øC	øD	øM	N	PCD
15	109	11.1	35	89.0	16	4	60.4
20	119	12.7	43	98.0	16	4	70.0
25	128	14.2	51	108.0	16	4	79.0
32	141	15.7	64	117.0	16	4	89.0
40	166	17.5	73	127.0	16	4	95.5
50	177	19.0	92	152.0	19	4	120.5
65	190	22.3	105	178.0	19	4	140.0
80	202	24.0	127	190.0	19	4	152.4
100	230	24.0	157	229.0	19	8	190.5
125	255	24.0	186	254.0	22	8	216.0
150	266	25.0	216	279.0	22	8	241.0
200	291	28.5	270	343.0	22	8	298.0
250	331	30.0	324	406.0	25	12	362.0

Class 300							
Size	A	B	øC	øD	øM	N	PCD
15	141	14.2	35	95.0	16	4	66.5
20	153	15.7	43	117.0	19	4	82.5
25	164	17.5	51	124.0	19	4	89.0
32	177	19.0	64	133.0	19	4	98.5
40	191	20.5	73	155.5	22	4	114.0
50	215	22.0	92	165.0	19	8	127.0
65	240	25.0	105	190.5	22	8	149.0
80	282	28.5	127	209.5	22	8	168.0
100	306	32.0	157	254.0	22	8	200.0
125	380	35.0	186	279.4	22	8	235.0
150	402	36.5	216	317.5	22	12	270.0
200	421	41.0	270	381.0	25	12	330.0
250	458	47.5	324	444.5	29	16	387.0

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

Single Piece (Screw End)

Technical Data	
Design & Manufacturing STD:	BS 5351, API 602, IS:9890
Testing & Inspection STD:	API 598/ BS : 5146
Face to Face:	as per ANSI B 16.10
End connections:	16 Bar max (228 PSI)
Temp. Rating:	Screwed : (BSP, BSPT, NPT)

Primary service rating & test pressure				
Class	Working	HYD. Test pressure press.		
		Body	Seat	Temp.
150	150	500 PSIG	250 PSIG	200° F

	PSIG			
Air Test - Seat 80 PSIG ± 10 PSIG				

No.	Description	Material	Qty
01	Body	C.I. / C. S. / S.S. 304 / S.S. 316	
02	Body connector	C.I. / C. S. / S.S. 304 / S.S. 316	
03	Ball	AISI 304 / AISI 316	1
04	Stem	AISI 304 / AISI 316r	1
05	Gland nut	AISI 304 / AISI 316	1
06	Gland bush	AISI 304 / AISI 316	1
07	Lock Nut	AISI 304 / AISI 316	
08	Seat Ring	PTFE	
09	Stem Seal	PTFE	
10	Body Sealent ring	PTFE	
11	Wrench	M.S. / S.S.	

Size	A	øC	L	THDS BSP/ BSPT/ NPT
15	73	13	126	1/2"
20	76	19	126	3/4"
25	88	26	126	1"
32	100	33	176	1.1/4"
40	118	39	176	1.1/2"
50	126	51	176	2"
65	152	62	253	2.1/2"
50	170	76	253	3"
all dimesion are in mm				

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

Three Piece Design (Flange End)

Technical Data	
Design & Manufacturing STD:	API 602
Testing & Inspection STD:	API 598/ BS : 5146
Face to Face:	as per ANSI B 16.10
End connections:	Flanged as per ANSI B 16.5

No.	Description	Material	Qty
01	Body	C.I. / C.S. / S.S. 304/ S.S. 316	1
02	Body connector	C.I./C.S./S. S. 304 / S.S. 316	1
03	Ball	AISI 304 / AISI 316	1
04	Stem	AISI 304 / AISI 316	1
05	Gland nut	AISI 304 / AISI 316	1
06	Gland bush	AISI 304 / AISI 316	1
07	Lock Nut	AISI 304 / AISI 316	1
08	Seat Ring	PTFE	2
09	Stem Seal	PTFE	2
10	Body Sealant ring	PTFE	1
11	Wrench	C.S. / S.S. 304 / S.S. 316	1
12	Stop	C.S. / S.S. 304 / S.S.	1

		316	
13	Stopper pin	C.S. / S.S. 304 / S.S. 316	1
14	Stud & Nut	C.S. / S.S.	1

Primary service reating & test pressure				
Class	Working	HYD. Test pressure press.		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	200° F
300	300 PSIG	1100 PSIG	800 PSIG	200° F
Air Test - Seat 80 PSIG ± 10 PSIG				

Class 150							
Size	A	B	øC	øD	øM	N	PCD
15	109	11.1	35	89.0	16	4	60.4
20	119	12.7	43	98.0	16	4	70.0
25	128	14.2	51	108.0	16	4	79.0
32	141	15.7	64	117.0	16	4	89.0
40	166	17.5	73	127.0	16	4	95.5
50	177	19.0	92	152.0	19	4	120.5
65	190	22.3	105	178.0	19	4	140.0
80	202	24.0	127	190.0	19	4	152.4
100	230	24.0	157	229.0	19	8	190.5
125	255	24.0	186	254.0	22	8	216.0
150	266	25.0	216	279.0	22	8	241.0
200	291	28.5	270	343.0	22	8	298.0
250	331	30.0	324	406.0	25	12	362.0

Class 300							
Size	A	B	øC	øD	øM	N	PCD
15	141	14. 2	35	95.0	16	4	66.5
20	153	15. 7	43	117.0	19	4	82.5
25	164	17. 5	51	124.0	19	4	89.0
32	177	19. 0	64	133.0	19	4	98.5
40	191	20. 5	73	155.5	22	4	114.0
50	215	22. 0	92	165.0	19	8	127.0
65	240	25. 0	105	190.5	22	8	149.0
80	282	28. 5	127	209.5	22	8	168.0
100	306	32. 0	157	254.0	22	8	200.0
125	380	35. 0	186	279.4	22	8	235.0
150	402	36. 5	216	317.5	22	12	270.0
200	421	41. 0	270	381.0	25	12	330.0
250	458	47. 5	324	444.5	29	16	387.0

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