



'Fluid control' the Complete solution from one source !

Universal Engineering

32, Gajanan Industrial Estate, Old Manekchowk Mill Compound,
Nr. Idgah Police Chowky, O/s. Dariapur Gate, Ahmedabad - 380 016, Gujarat, INDIA.

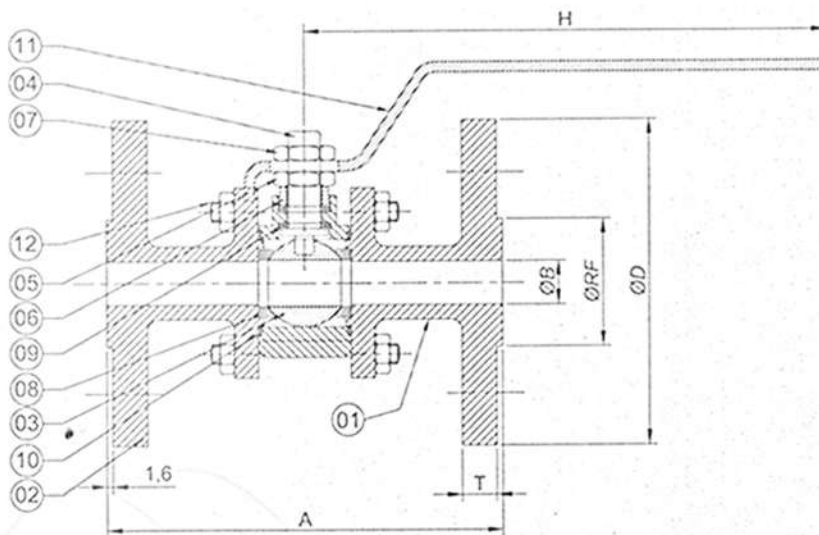
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I.C. BALL VALVE FLANGE END (THREE PIECE DESIGN)

Technical Data

Design & Manufacturing Std : BS 5351 / API 6D
Testing & inspection Std : API 598/BS 5146
Face To Face : As Per ANSI B 16.11
End Connections : Flanged as per ANSI B 16.5



CLASS 150#

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / CF3 / CF3M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M / CF3 / CF3M	2
03	Ball	-D0- / AISI 304 / 316 / 304L / 316L	1
04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
06	Gland Bush	M.S. / AISI 304 / 316 / 304L / 316L	1
07	Lock Nut	M.S. / AISI 304 / 316 / 304L / 316L	2
08	Seat Ring	PTFE / GFT / CARBON / BRONZE	2
09	Stem Seal	PTFE / GFT / CARBON / BRONZE	2
10	Body Sealant Ring	PTFE / GFT / CARBON / BRONZE	1
11	Lever	M.S. / S.S - 202 / 304 / 316	1
12	Stud & Nuts	M.S. / S.S - 202 / 304 / 316	--

Size NB	A	ØB	ØD	RF	PCD	T	H	ØM	N
15	108	13	89	35	60.5	11.1	130	16	4
20	117	19	98.5	43	70	11.1	130	16	4
25	127	25	108	51	79.5	11.1	175	16	4
40	165	38	127	73	98.5	14.3	220	16	4
50	178	51	152.5	92	121	16	245	19	4
65	190	64	178	105	140	17.5	350	19	4
80	203	76	191	127	152.5	19	450	19	4
100	229	102	229	157	190.5	24	500	19	8
125	254	125	254	186	216	24	600	22	8
150	267	150	279	216	241	25.5	600	22	8
200	292	200	343	270	298	29	700	22	8

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		Temp
		Body	Seat	
150	150 PSI	425 PSI	300 PSI	180 °C
300	300 PSI	1100 PSI	800 PSI	180 °C
Air Test - Seat 80 PSI ± 10 PSI				

All dimensions are in M.M.





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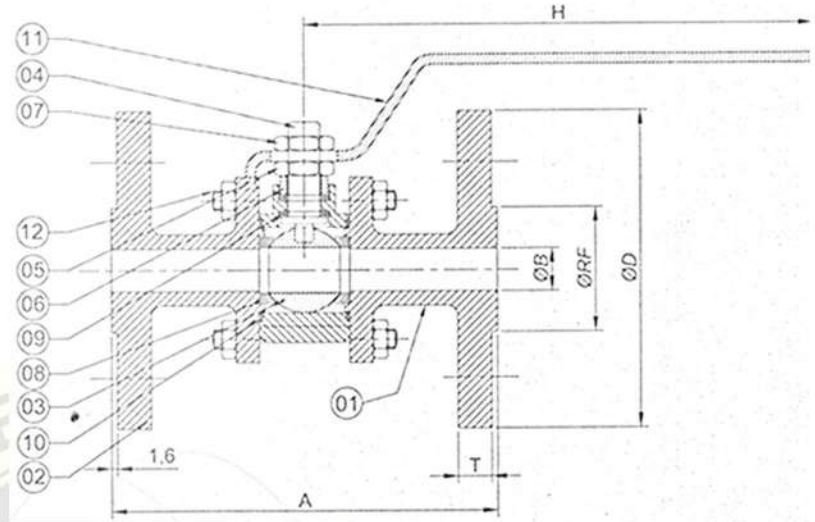
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04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
06	Gland Bush	M.S. / AISI 304 / 316 / 304L / 316L	1
07	Lock Nut	M.S. / AISI 304 / 316 / 304L / 316L	2
08	Seat Ring	PTFE / GFT / CARBON / BRONZE	2
09	Stem Seal	PTFE / GFT / CARBON / BRONZE	2
10	Body Sealant Ring	PTFE / GFT / CARBON / BRONZE	1
11	Lever	M.S. / S.S - 202 / 304 / 316	1
12	Stud & Nuts	M.S. / S.S - 202 / 304 / 316	--



	"E" TABLE					"F" TABLE					CLASS300#					
Size NB	ØD	T	PCD	N	ØM	ØD	T	PCD	N	ØM	A	ØD	T	PCD	N	ØM
15	95.5	9.5	66.7	4	14.5	95.5	9.5	66.7	4	14.5	--	95	14.5	66.7	4	16
20	102	9.5		4	14.5	102	9.5	73	4	14.5	--	117	16	82.5	4	19
25	114.5	9.5	82.5	4	14.5	121	9.5	87.3	4	14.5	165	124	17.5	89	4	19
40	133.5	13	98.5	4	14.5	140	13	104.8	4	14.5	190	156	21	114	4	19
50	152.5	14.5	114.5	4	17.5	165	16	127	4	17.5	216	165	23	127	8	22
65	165	14.5	127	4	17.5	184.5	16	146	8	17.5	241	191	25	149	8	22
80	184.5	14.5	146	4	17.5	203.5	16	165	8	17.5	283	210	29	168	8	22
100	216	17.5	177.8	8	17.5	228	19	190.5	8	17.5	305	254	32	200	8	22

Primary Service Rating & Test Pressure				
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