

AN ISO 9001-2015 CERTIFIED COMPANY



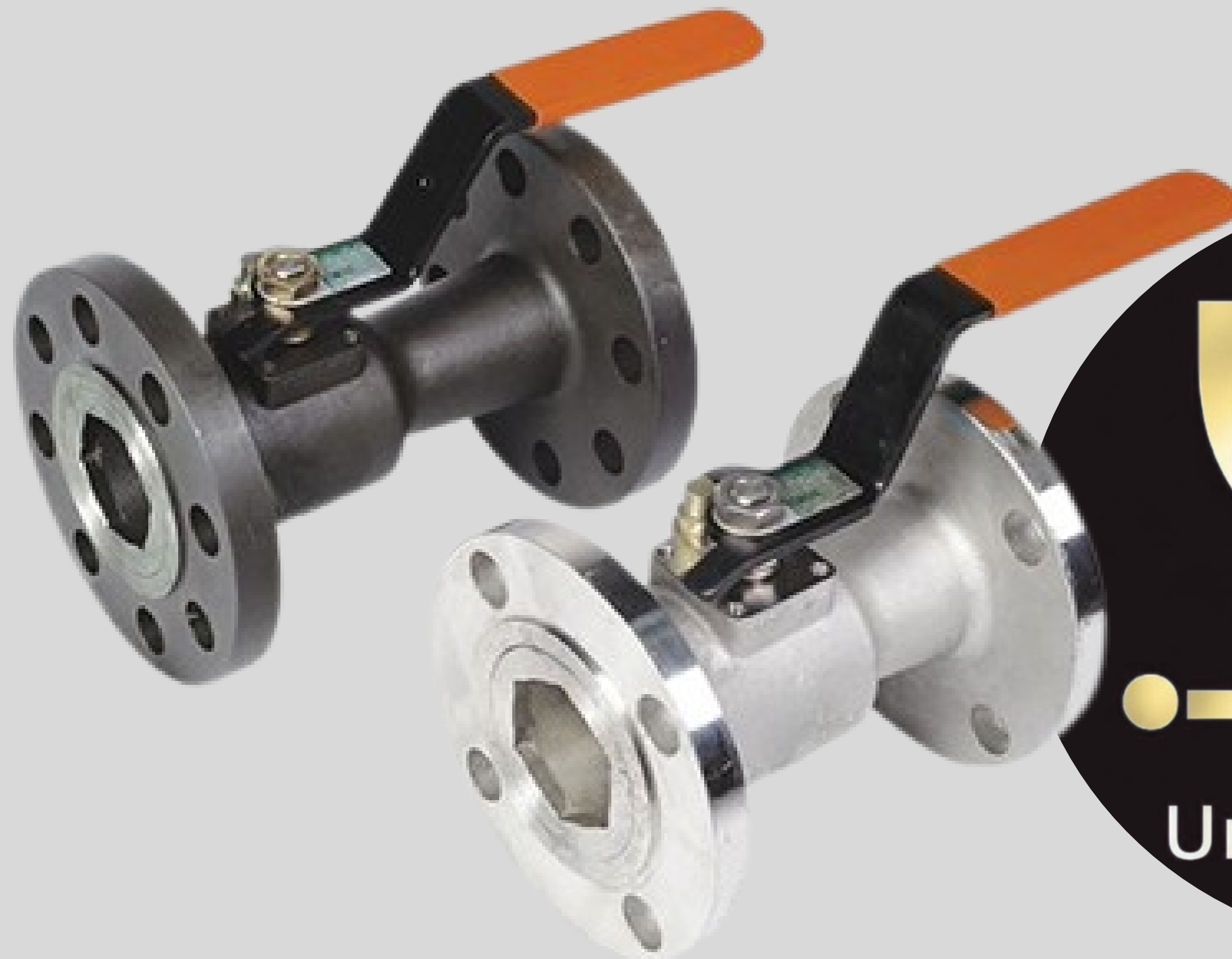
UNITEK VALVES PVT LTD ®

MANUFACTURER OF INDUSTRIAL VALVES



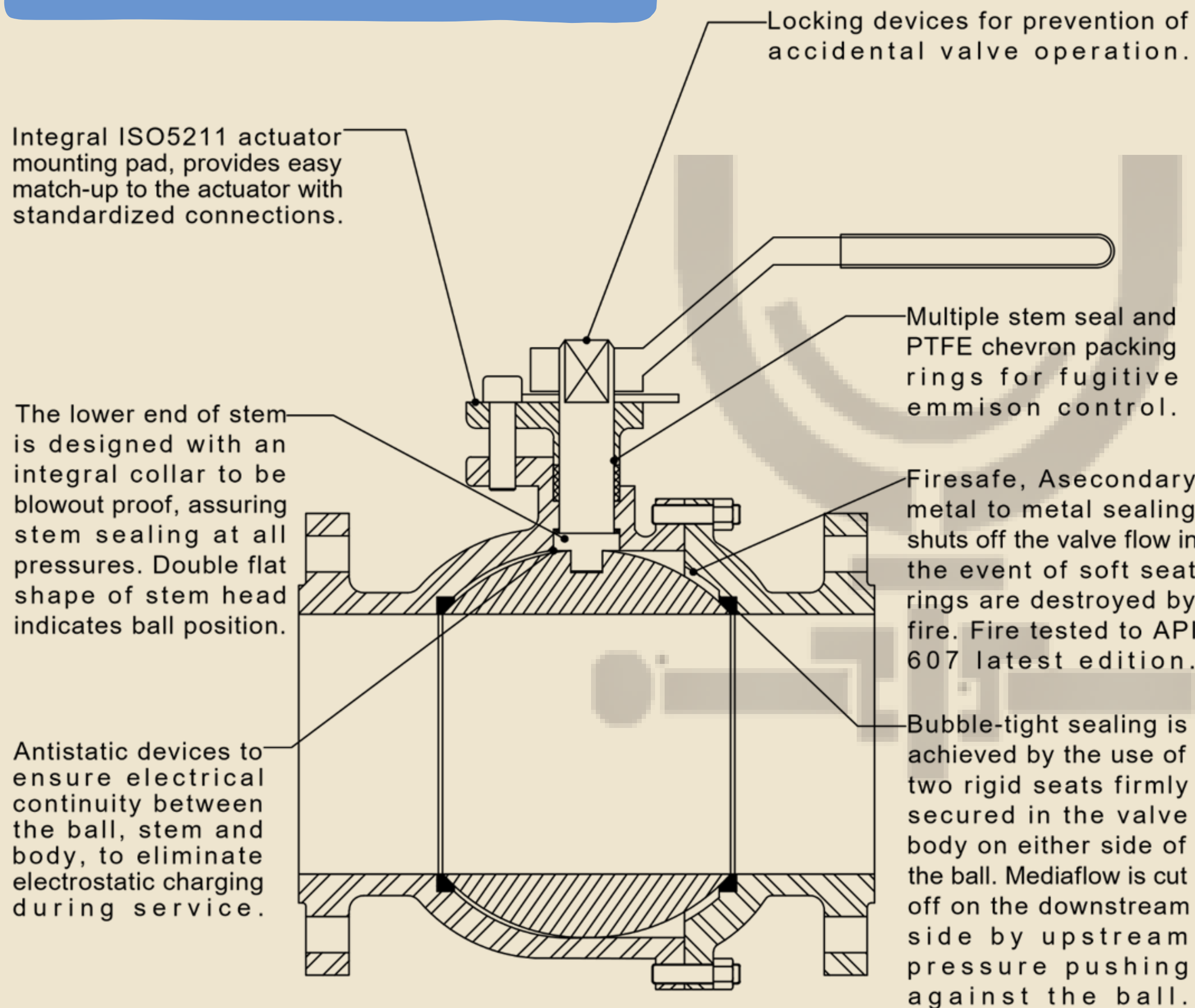
UNITEK VALVES PVT LTD
CATALOGUE

FLOATING BALL VALVE





FLOATING BALL VALVE



Features:

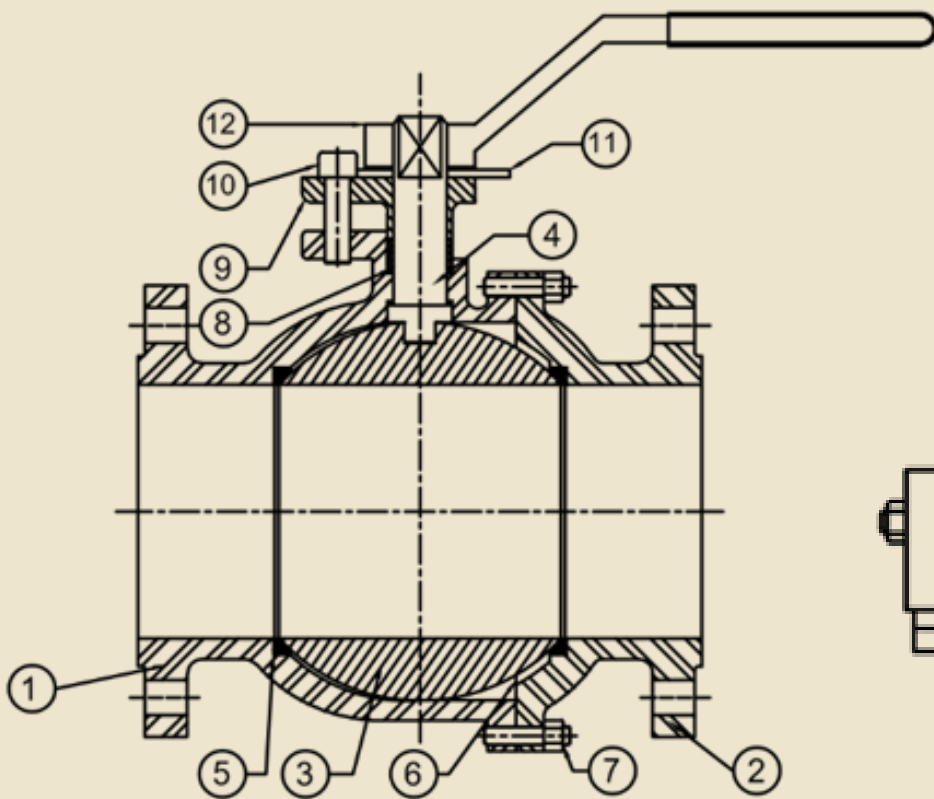
Floating Ball Type Split Body, End Entry 2-Piece or 3-Piece Body Full Port for Pigging Operation Gear or Actuator Available

Applicable Standards:

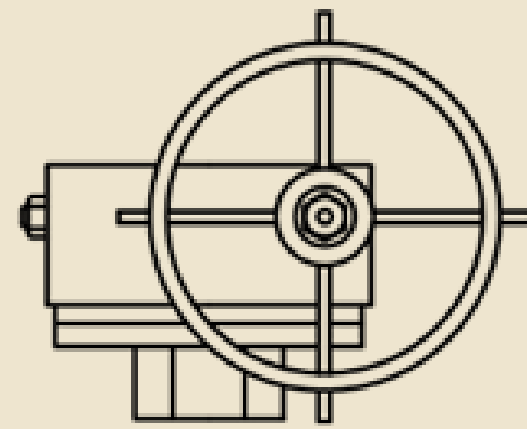
Design: API 6D / API 608 / BS 5351
Wall Thickness: API 600 / BS 5351
Fire Safe: API 607 / API 6FA
Antistatic: API 608
Face to Face: ASME B16.10 / API 6D
Flanged Ends: ASME B16.5/B16.47
Butt-Weld Ends: ASME B16.25
Testing: API 598 / API 6D



CAST STEEL SPLIT BODY FLOATING BALL VALVE



2-PIECE CONSTRUCTION

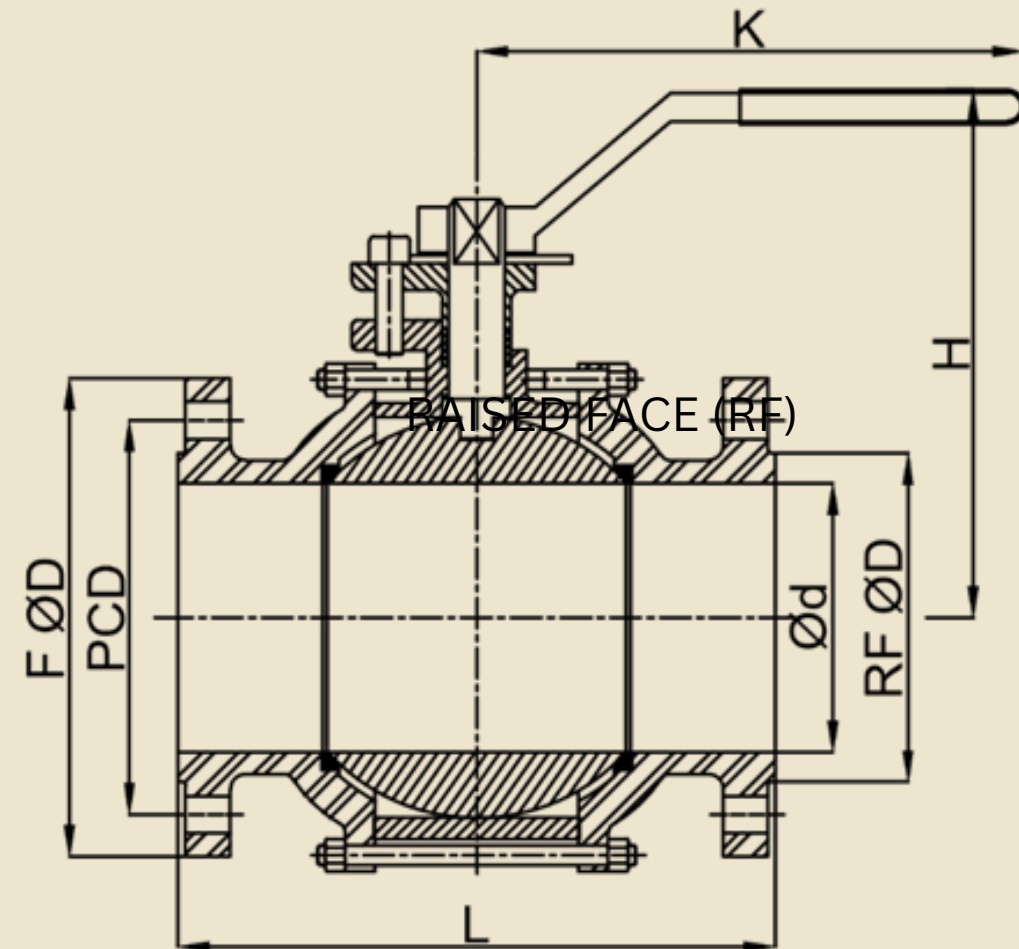


GEAR

BUTT WELD (BW)



RING TYPE JOINT (RTJ)



3-PIECE CONSTRUCTION

MATERIAL SPECIFICATION

P. NO.	PART DESCRIPTION	MATERIALS
1	BODY	ASTM A 216 Gr. WCB, ASTM A 105, A 350 LF2, ASTM A 351 Gr. CF8M, ASTM A 182 Gr. F316, A 352-LCB, CF8, CF3, CF3M, CN7M.
2	END PIECE	ASTM A 216 Gr. WCB, ASTM A 105, A 350 LF2, ASTM A 351 Gr. CF8M, ASTM A 182 Gr. F316, A 352-LCB, CF8, CF3, CF3M, CN7M.
3	BALL	ASTM A 479 Type 410, T304/ ASTM A 351 Gr. CF8, T316/ ASTM A 351 Gr. CF8M, A182-F304, A182-F316, MONEL.
4	STEM	ASTM A 479 Type 410, ASTM A 479 Type 316, A 276-420, A 276-316, A 276-420, MONEL
5		ASTM A 182 Gr. F316, PTFE, RPTFE, DEVLON, GFT, NYLON
6	GASKET	PTFE, GRAPHITE
7	STUDS AND NUTS	A193-B7, A193-B8M, A320-L7
		A194-2H, A194-8M, A194-4
8	PACKING	GRAPHITE, PTFE
9	GLAND FLANGE	A216-WCB, A351-CF8M, A352-LCB
10	GLAND BOLT	A193-B7, A193-B8M, A320-L7
11	STOP PLATE	CARBON STEEL, CARBON STEEL + Zn
12	WRENCH	CARBON STEEL

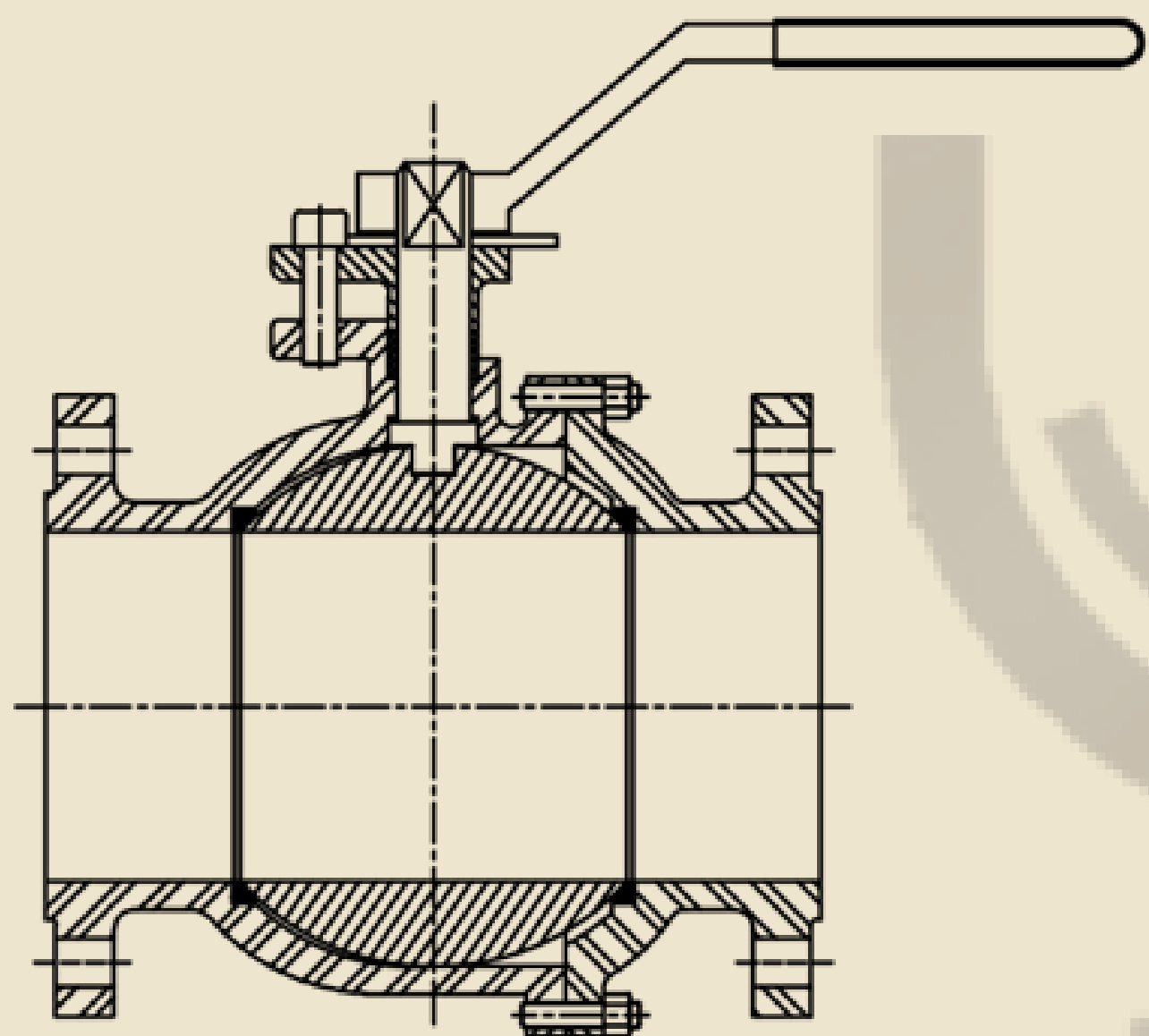
DIMENSIONAL DATA CLASS-150

DN	15	20	25	40	50	65	80	100	150	200	250	300
NPS (in)	0.5	0.75	1	1.5	2	2.5	3	4	6	8	10	12
L	108	117	127	165	178	190	203	229	394	457	533	610
L1	140	152	165	190	216	241	283	305	457	521	559	635
H (approx.)	55	55	70	90	105	155	185	205	255	280	345	420
Ød	13	19	25	38	49	62	74	100	150	201	252	303
K (approx.)	130	130	160	200	350	400	500	500	600	800	800	800
RF ØD	35	43	51	73	92	105	127	157	216	270	324	381
PCD	61	70	79	98.5	120.6	139.7	152.4	190.5	241.3	298.4	362	431.8
F ØD	89	98	108	127	152	178	191	229	279	343	406	483
Wt.kg (approx.)	RF	2.3	3	4.5	7	9.5	15	19	33	93	160	200
	BW	1.8	2.8	3.7	6.2	8.5	14	21	35	98	170	225

NOTE: The above data is subject to change without any notice due to our continuing product improvement program.



CAST STEEL SPLIT BODY FLOATING BALL VALVE

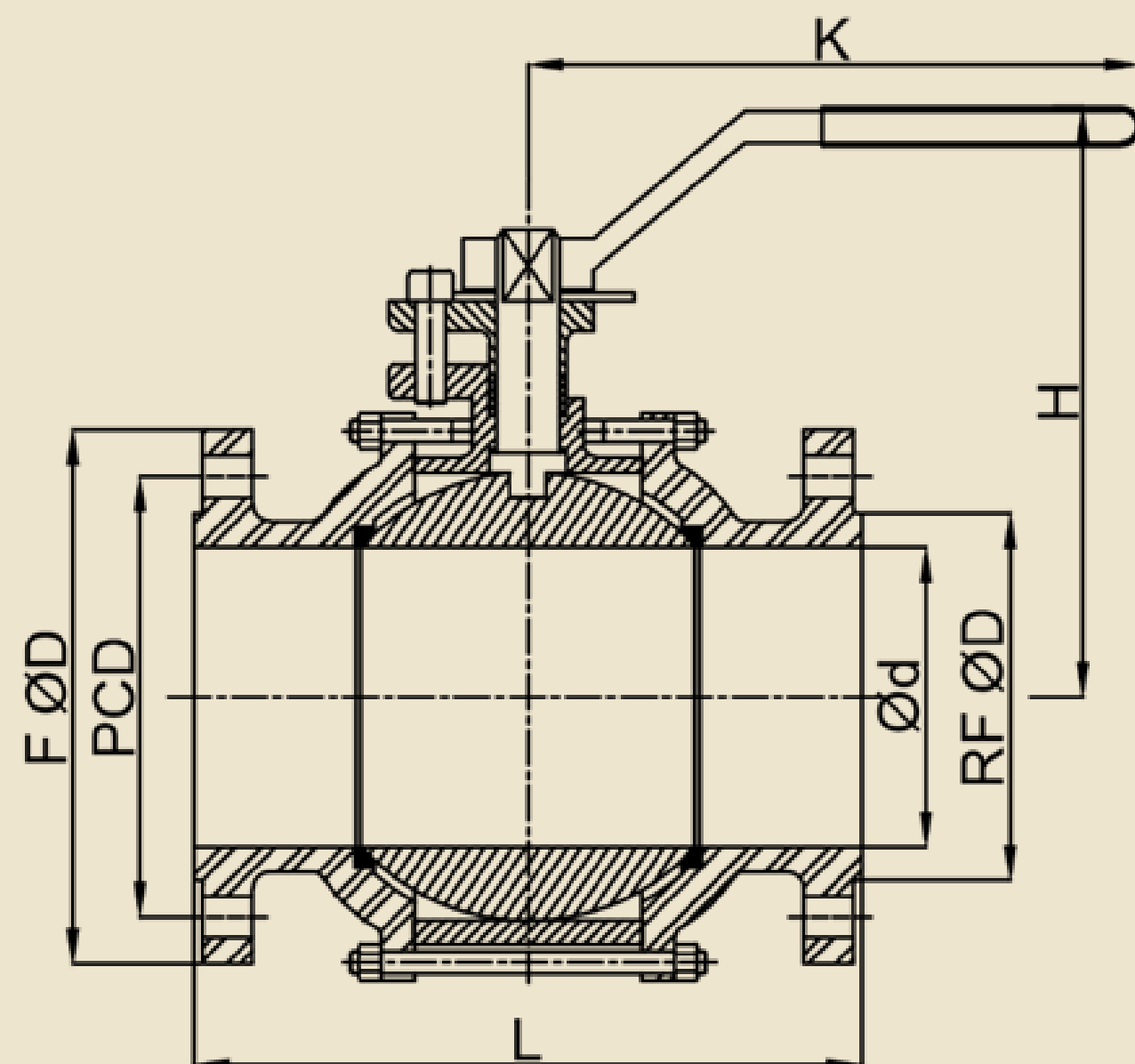


2-PIECE CONSTRUCTION



BUTT WELD (BW)

RING TYPE JOINT (RTJ)



**3-PIECE CONSTRUCTION
RAISED FACE (RF)**

DIMENSIONAL DATA CLASS-300

DN	15	20	25	40	50	65	80	100	150	200	250	300
NPS (in)	0.5	0.75	1	1.5	2	2.5	3	4	6	8	10	12
L	140	152	165	190	216	241	283	305	403	502	568	648
L1	140	152	165	190	216	241	283	305	457	521	559	635
H (approx.)	55	55	70	90	105	153	187	206	255	280	345	420
Ød	13	19	25	38	49	62	74	100	150	201	252	303
K (approx.)	130	130	160	200	350	400	500	500	600	800	800	800
RF ØD	35	43	51	73	92	105	127	157	216	270	324	381
PCD	66.7	82.5	89	114	127	149.2	168.3	200	270	330.2	387	450.8
F ØD	95	117	124	156	165	191	210	254	318	381	445	520
Wt.kg (approx.)	RF	2.5	3.5	5.5	10.5	14.5	23.5	30	55	118	200	330
	BW	1.8	2	3.2	5.5	8.7	15	18	36	85	152	232

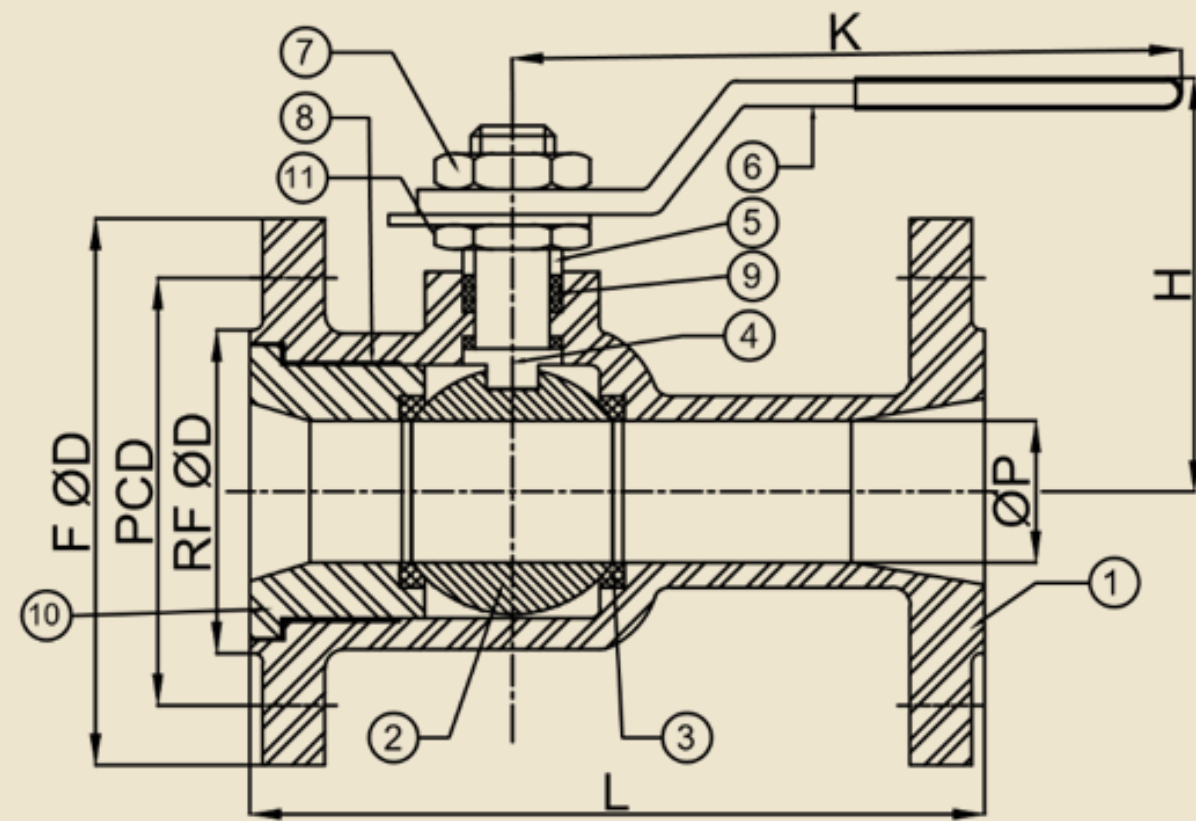
DIMENSIONAL DATA CLASS-600

DN	15	20	25	40	50	65	80	100	150
NPS (in)	0.5	0.75	1	1.5	2	2.5	3	4	6
L / L1	165	190	216	241	292	330	356	432	559
L2	-	-	-	-	295	333	359	435	562
H (approx.)	61.5	61.5	78	101	120	174	212	234	289
Ød	13	19	25	38	49	62	74	100	150
K (approx.)	130	160	200	350	400	500	600	600	800
RF ØD	-	-	-	-	92	105	127	157	216
PCD	66.7	82.6	88.9	114	127	149.2	168	200	270
F ØD	95	115	125	155	165	191	210	254	318
Wt.kg (approx.)	RF	3.3	4.5	7.2	13.5	19	31	39	71
	BW	2.6	3.1	4.8	8	13	22	27	53

NOTE: The above data is subject to change without any notice due to our continuing product improvement program.



CAST STEEL ONE PIECE FLOATING BALL VALVE



REDUCED BORE

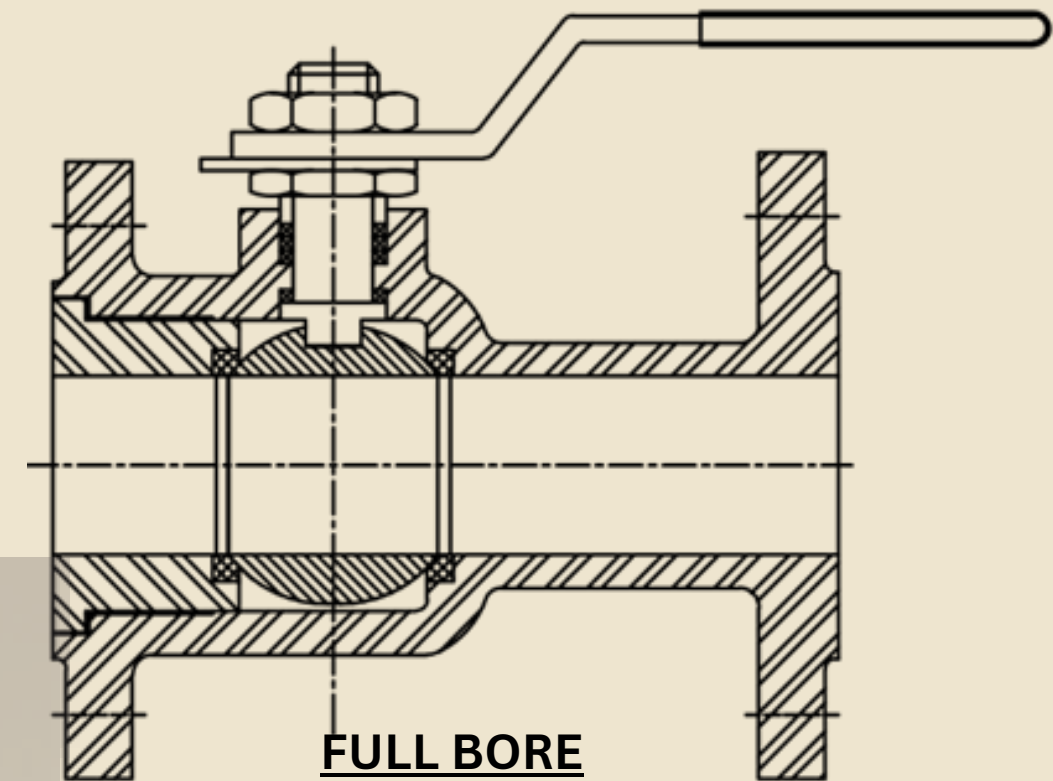
MATERIAL SPECIFICATION

P. NO.	PART DESCRI	MATERIALS				
1	BODY	ASTM A 216 Gr.	ASTM A 105	A 350 LF2	ASTM A 351 Gr. CF8M	ASTM A 182 Gr.
2	BALL	ASTM A 479 Type 410		T304/ ASTM A 351 Gr. CF8		T316/ ASTM A 351 Gr. CF8M
3	SEAT	ASTM A 182 Gr. F316	PTFE		RPTFE	DEVLON
4	STEM	ASTM A 479 Type 410			ASTM A 479 Type 316	
5	GLAND BUSH	T410		T304		T316
6	LEVER	STEEL WITH PVC CAP				
7	LEVER NUT	STEEL			T304	
8	GASKET	PTFE				
9	GLAND BACKING	GRAPHITE			PTFE	
10	END PIECE	ASTM A 316 Gr.	ASTM A 105	A 350 LF2	ASTM A 351 Gr. CF8M	ASTM A 182 Gr.
11	GLAND NUT	CARBON STEEL		T304		T316

TEST PRESSURES

CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST	
			PNEUMATIC	
150	31.5 kg/cm ²	450 Psi g	5.6 kg/cm ²	80 Psi g
300	79.0 kg/cm ²	1125 Psi g	5.6 kg/cm ²	80 Psi g

NOTE: Flanges as per ASME B 16.5.



FULL BORE

DIMENSIONAL DATA CLASS-150

DN	25	40	50	65	80	100	150
NPS (in)	1	1.5	2	2.5	3	4	6
L	127	165	178	190	203	229	267
H (approx.)	95	100	125	140	175	195	235
K (approx.)	220	220	220	320	320	385	500
ØP	17	28	36	50	57	75	98
RF ØD	51	73	92	105	127	157	216
PCD	79.5	98.5	120.6	139.7	152.4	190.5	241.3
F ØD	108	127	152	178	191	229	279
Wt.kg (approx.)	3	6	8.5	17	21	30	42

DIMENSIONAL DATA CLASS-300

DN	25	40	50	65	80	100	150
NPS (in)	1	1.5	2	2.5	3	4	6
L	165	190	216	241	282	305	403
H (approx.)	95	100	125	140	175	195	235
K (approx.)	220	220	220	320	320	385	500
ØP	17	28	36	50	57	75	98
RF ØD	51	73	92	105	127	157	216
PCD	89	114.3	127	149.2	168.3	200	269.9
F ØD	124	156	165	191	210	254	318
Wt.kg (approx.)	6	9	16	29	33	45	85

Valves can be supplied in other MOC's on request :-SS (ASTM A351 Gr.CF3MN / CF8C/ CN7M),DSS (ASTM A 995 Gr. 4A / 5A / 3A / 6A)