

Class 300 Carbon Steel Flanged Ball Valves

Unibody Design • Blowout-Proof Stem • 316 SS Trim • Mounting Pad • Fire Safe • Vented Ball

740 PSI/51 Bar Non-Shock Cold Working Pressure ♦

CONFORMS TO ASME/ANSI B16.34, B16.5, MSS SP 72,
API 607 FOURTH EDITION, API 608, API 598,
MSS SP 25

MATERIAL LIST

PART	SPECIFICATION
1. Body and End Piece	Carbon Steel ASTM A 216 Type WCB
2. Ball (Vented)	Stainless Steel ASTM A 351 Type CF8M
3. Stem	Stainless Steel ASTM A 276 Type 316
4. Seat	Reinforced PTFE
5. Packing Set	Graphite and Braided Graphite
6. Pack Gland	Stainless Steel 304 SS
7. Pack Gland Nut	Carbon Steel Plated
8. O-Ring	Fluorocarbon Encapsulated
9. Gasket	304 SS/Graphite Spiral Wound

¹ Cast specifications shown. Smaller sizes may be manufactured from equivalent bar stock specifications.

DIMENSIONS—WEIGHTS—QUANTITIES

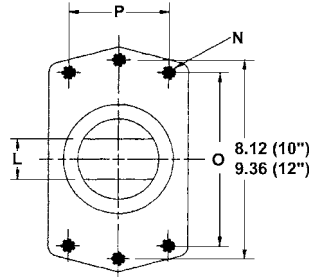
Size	Dimensions												
	A		B		C		D		E		F		
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	
1/2	15	5.50	140	2.13	54	.59	15	3.81	97	.50	13	.43	11
3/4	20	6.00	152	2.31	59	.65	17	4.68	119	.75	19	.63	16
1	25	6.50	165	2.50	64	.71	18	4.94	125	1.00	25	.81	21
1 1/2	40	7.50	191	3.25	83	.81	21	6.13	156	1.50	33	1.19	30
2	50	8.50	216	3.00	76	.87	22	6.50	165	2.00	51	1.50	38
3	80	11.13	283	4.00	102	1.13	29	8.25	210	3.00	76	2.38	60
4	100	12.00	305	4.25	103	1.25	32	10.00	254	4.00	102	3.00	76
6	150	15.88	403	5.25	133	1.44	37	12.50	318	6.00	152	4.38	111
8	200	16.50	419	5.50	140	1.63	41	15.00	381	8.00	203	5.68	144
10	250	18.00	457	6.50	165	1.88	48	17.50	443	10.00	254	7.50	190

Size	Dimensions												F-530-CS-R-66-FS									
	G		H		I		J		K		L		M		N	In. mm.	In. mm.	Lbs.	Kg.			
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.								
1/2	15	6.63	168	2.84	72	3.16	80	2.56	65	.59	15	.25	6	1.68	43	.250-20	1.19	30	1.19	30	5.00	2.27
3/4	20	6.63	168	3.20	81	3.58	91	2.56	65	.76	19	.25	6	1.68	43	.250-20	1.19	30	1.19	30	8.00	3.64
1	25	6.63	168	3.45	88	3.83	97	2.56	65	.93	24	.31	8	1.68	43	.250-20	1.19	30	1.19	30	10.00	4.55
1 1/2	40	9.13	232	4.75	121	5.25	133	3.31	84	1.22	31	.56	14	2.06	52	.250-20	1.46	37	1.46	37	20.00	9.09
2	50	9.13	232	4.88	124	5.38	137	3.31	84	1.36	35	.56	14	2.06	52	.250-20	1.46	37	1.46	37	23.00	10.45
3	80	16.60	422	6.16	156	—	—	—	—	1.97	50	.68	17	3.00	76	.375-16	2.12	54	2.12	54	54.00	24.55
4	100	16.60	422	7.22	183	—	—	—	—	2.16	55	.68	17	3.00	76	.375-16	2.12	54	2.12	54	91.50	41.59
6	150	32.80	833	10.09	256	—	—	—	—	3.59	91	1.13	29	4.50	114	.500-13	3.18	81	3.18	81	181.50	82.50
8	200	—	—	—	—	—	—	—	—	3.43	87	1.13	29	4.50	114	.500-13	3.18	81	3.18	81	257.00	116.82
10	250	—	—	—	—	—	—	—	—	5.56	141	1.75	44	—	—	.625-11	7.24	184	3.66	93	429.00	195.00

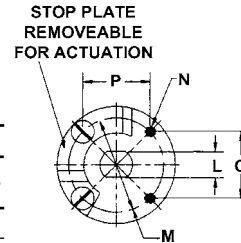
Note: Valves are static grounded by thrust washer.



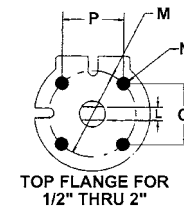
F-530-CS-R-66-FS
Carbon x Stainless
Flanged



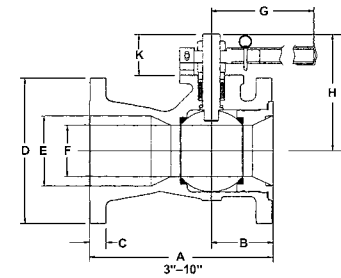
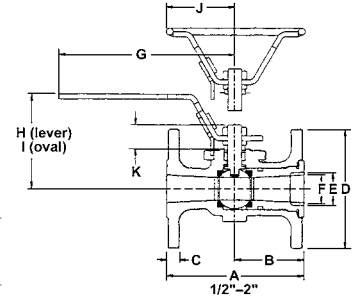
TOP FLANGE FOR
10" & 12"



TOP FLANGE FOR
3" THRU 8"



TOP FLANGE FOR
1/2" THRU 2"



♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 81.