

Class 150 Stainless Steel Flanged Ball Valves

Split-Body, Full-Bore Design • Blowout-Proof Stem • 316 SS Trim •
Multiple V-Ring Packing • Mounting Pad • Fire Safe • Vented Ball

275 PSI/19 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	Stainless Steel ASTM A 351 Type CF8M
2. ¹ 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 ASTM A 276 Type 316
7. Gasket	304 SS/Graphite Spiral Wound
8. Body Stud	Stainless Steel ASTM A 193 Grade B8 SS
9. Heavy Hex Body Nut	Stainless Steel ASTM A 194 Grade 8 SS
10. Belleville Washer	Stainless Steel

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

DIMENSIONS—WEIGHTS—QUANTITIES

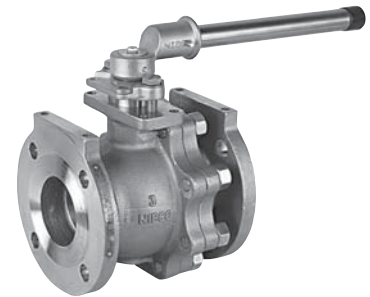
Size	Dimensions										
	A		B		C		D		E		
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	
1/2	15	4.25	108	2.52	64	.44	11	3.50	89	.59	15
3/4	20	4.63	118	2.74	70	.50	13	3.88	99	.78	20
1	25	5.00	127	2.80	71	.56	14	4.25	108	.98	25
1 1/2	40	6.50	165	3.54	90	.56	14	5.00	127	1.57	40
2	50	7.00	178	3.99	101	.62	16	6.00	152	2.00	51
3	80	8.00	203	4.19	106	.75	19	7.50	190	3.00	76
4	100	9.00	229	4.50	114	.94	24	9.00	229	4.00	102
6	150	15.50	394	8.00	203	1.00	25	11.00	279	6.00	152
8	200	18.00	457	9.00	229	1.12	28	13.50	343	8.00	203
10	250	21.00	533	10.50	267	1.19	30	16.00	406	10.08	256
12	300	24.00	670	12.00	305	1.25	32	19.00	483	12.09	307

Size	Dimensions											F-515-S6-F-66-FS										
	G	H	J	K	L	N	O	*P	Q	R	Lbs.	Kg.										
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	5.12	130	3.52	89	.47	12	1.00	25	.19	5	.250-20	—	—	—	—	3.75	95	2.00	51	4.00	1.82
3/4	20	6.10	155	4.13	105	.69	18	1.26	32	.31	8	.250-20	—	—	—	—	3.94	100	2.00	51	6.00	2.72
1	25	6.10	155	4.25	108	.63	17	1.26	32	.31	8	.312-18	—	—	—	—	4.19	105	1.75	44	8.00	3.64
1 1/2	40	9.06	230	4.97	126	1.50	38	1.68	43	.47	12	.312-18	—	—	—	—	5.63	143	1.75	44	17.00	7.73
2	50	9.06	230	5.66	144	1.81	46	1.66	42	.63	16	.312-18	—	—	—	—	6.32	161	2.25	57	26.00	11.82
3	80	12.63	321	7.38	187	2.65	67	2.13	54	.78	20	.375-16	4.13	105	1.57	40	7.12	181	3.50	89	49.00	22.27
4	100	15.75	400	8.09	205	2.59	66	2.13	54	.78	20	.437-14	4.13	105	1.57	40	8.00	203	4.00	102	75.00	34.09
6	150	31.50	800	10.65	271	3.68	93	2.58	66	1.10	28	.437-14	4.96	126	2.36	60	14.44	367	4.00	102	171.00	77.73
8	200	—	—	—	—	4.53	115	2.53	65	1.17	30	.500-13	4.96	126	2.36	60	16.81	427	7.62	104	322.00	146.36
10	250	—	—	—	—	5.83	148	3.01	76	1.57	40	.625-11	5.90	150	2.75	70	19.75	502	8.66	220	483.00	219.55
12	300	—	—	—	—	5.69	145	3.01	76	1.57	40	.625-11	5.90	150	2.75	70	22.69	576	9.45	240	659.00	298.55

*Not drilled and tapped on 1/2"-2".

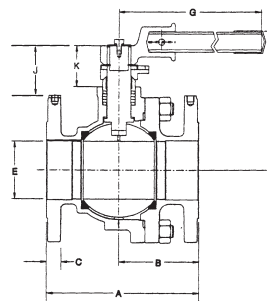
Note: Valves are static grounded by thrust washer.

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

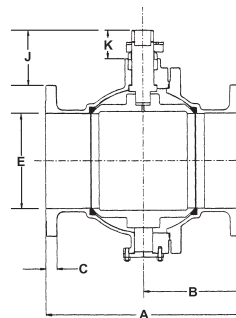
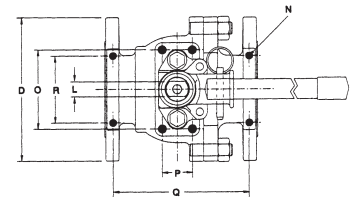


F-515-S6-F-66-FS

Stainless x Stainless
Flanged



1/2"-8"



10"-12"

