

STAINLESS STEEL VALVES

Stainless Steel ASME Class 150 – 1-PC Body, Flanged End Ball Valve, Reduced Port, "K" Series
KJV1015RP

Description

This specification covers 1-PC Stainless Steel Ball Valves used in piping applications as determined by Engineering as a function of what is being transported in the system, pressure ratings, temperature of material and line pressure.

Specifications

Stainless Steel Class 150 1-Pc Body Ball Valves provided by Merit Brass Co. are designed with a reduced port, and flanged ends (ASME B16.5). The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (CF8M - 316 SS) ball. This product is suitable for above ground applications.



Size Range

- 1/2" – 6"

Ends

- Flanged End

Project Information	Approval Stamp
Project Name:	Approved
Project Location:	Approved As Noted
Project Contractor:	Not Approved
Project Engineer:	Remarks:
Project Distributor:	
Project Rep:	
Submittal Date:	
Notes 1:	
Notes 2:	

For the Master Carton (Box) Quantity List, please visit meritbrass.com. Some items not shown may be available upon request. Some items and sizes may be discontinued when stock is depleted and may require a minimum order quantity. Certain inventory limitations may apply. For list prices in Excel, please download by logging onto meritbrass.com. Contact our Sales Team for details at contactus@meritbrass.com. Every precaution has been taken in preparing this submittal, however, Merit Brass Company cannot be held responsible for typographical errors or omissions.

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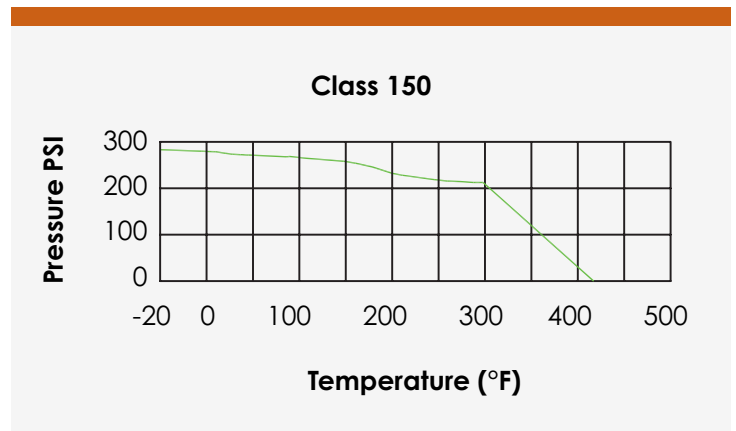
Design Features

- Seat Material: TFM1600
- Built-in ISO 5211 Mounting Pad for Easy Automation
- Anti-static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- Casting Boss on Body for Draining
- **Options:** 1. Actuator 2. Limit Switch 3. Positioner

Applicable Standards

- **Design:** ASME B16.34, API 608
- **Face to Face:** ASME B16.10
- **Wall Thickness:** ASME B16.34
- **End Flange:** ASME B16.5
- **Inspection & Testing:** API 598, API 6D

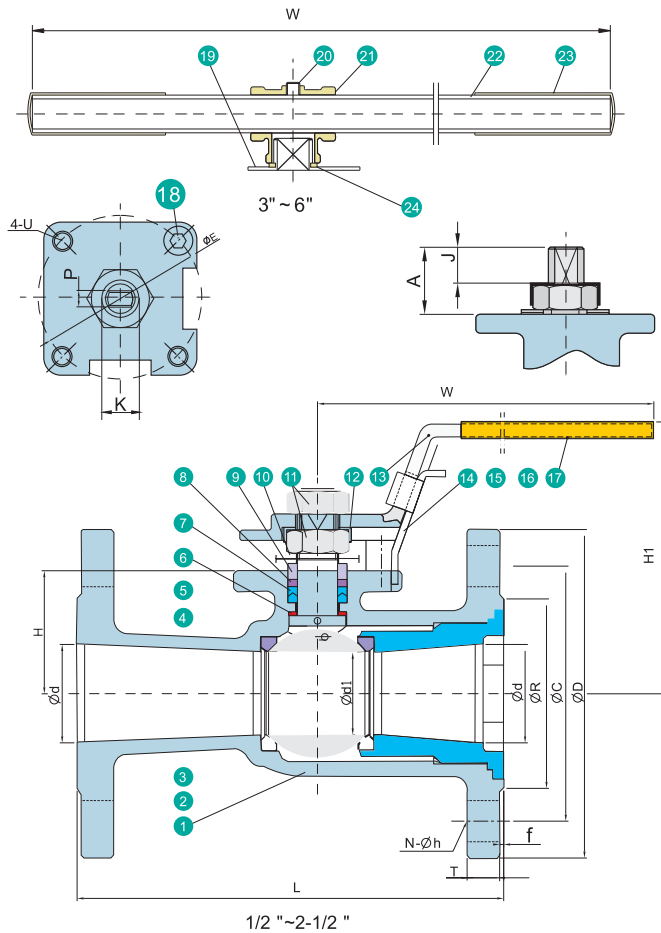
Size	Cv	Weight (Lbs)	Torque (In-Lbs)
1/2"	9	2.91	44
3/4"	26	4.85	53
1"	42	5.29	72
1-1/4"	72	7.28	116
1-1/2"	120	10.1	152
2"	190	14.7	220
2-1/2"	320	23.2	320
3"	420	32.0	487
4"	600	49.6	795
6"	1100	93.7	1380



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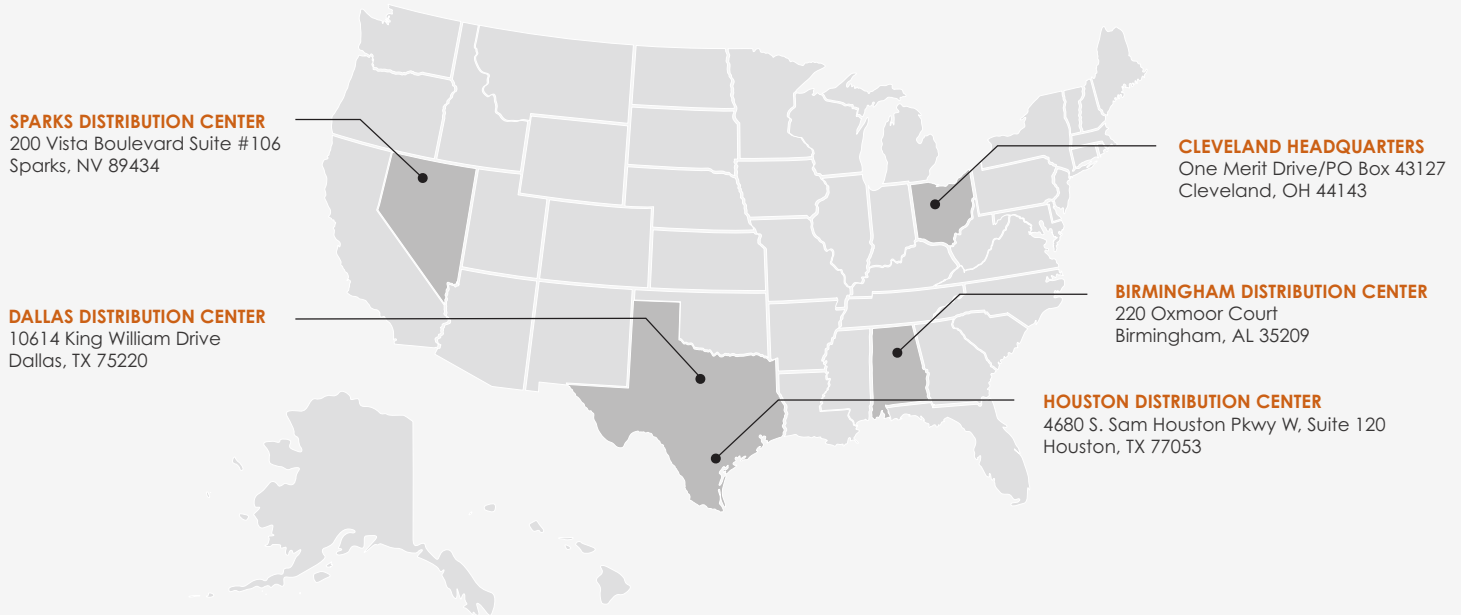
No.	Part Name	Materials		
1	Body	CF8M	CF8	WCB
2	Ball	CF8M	CF8	
3	Ball Seat	TFM1600/PTFE/RTFE		
4	Stem	316	304	
5	Anti-Static	316	304	
6	Thrust Washer	TFM1600/PTFE/RTFE		
7	Stem Packing	PTFE		
8	Bushing	50% SS + 50% PTFE/304*		
9	Gland	316		
10	Belleville Washer	301		
11	Screw Nut	A194 - 8		
12	Stop-Lock-Cap	304		
13	Lever (1/2"~2-1/2")	CF8		
14	Lock Device (1/2"~2-1/2")	304		
15	Body Gasket	PTFE		
16	End Cap	CF8M	CF8	WCB
17	Lever Sleeve (1/2"~2-1/2")	Vinyl Plastic		
18	Stop Bolt	A193-B8		
19	Triangle Stopper (3"~6")	304		
20	Set Screw (3"~6")	A193-B8		
21	Handle Adapter (3"~6")	CF8		
22	Handle (3"~6")	A53 + Zn Plated		
23	Handle Sleeve (3"~6")	Vinyl Plastic		
24	Snap Ring (3"~6")	304		

Unit: Inch

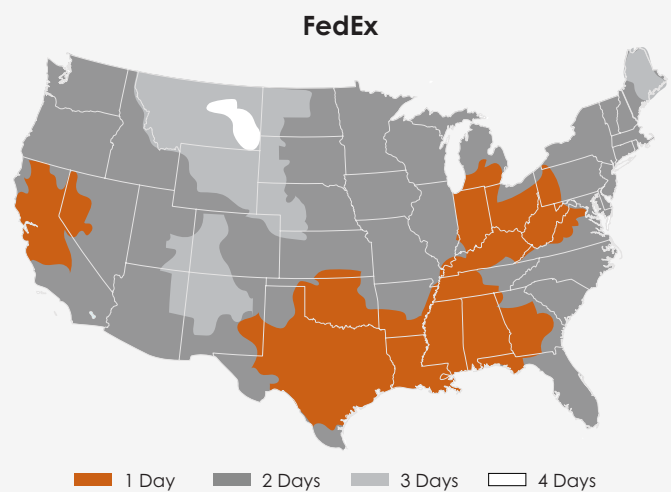
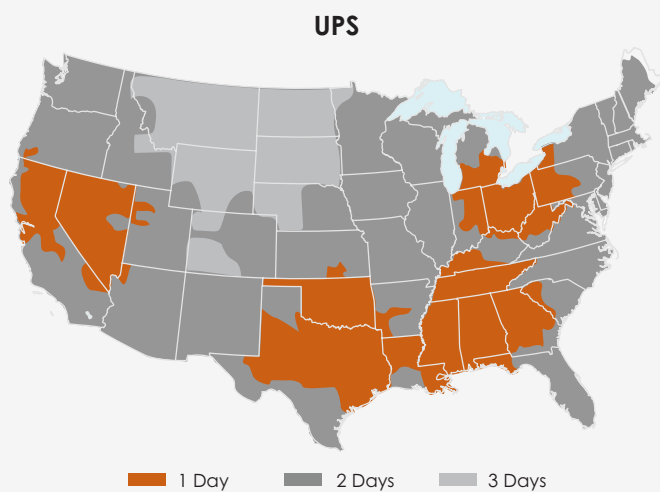
Size	d	d1	L	R	D	C	f	T	H	H1	N	h	W	P	A	J	U	E	K
1/2"	0.49	0.39	4.25	1.38	3.50	2.37	0.08	0.31	0.91	2.91	4	5/8	5.31	0.25	0.83	0.37	M5	1.65	3/8-24 UNF
3/4"	0.75	0.49	4.61	1.69	3.88	2.75	0.08	0.34	0.91	2.91	4	5/8	5.31	0.25	0.83	0.37	M5	1.65	3/8-24 UNF
1"	0.98	0.69	5.00	2.01	4.25	3.13	0.08	0.38	1.32	3.44	4	5/8	6.69	0.35	0.85	0.40	M6	1.97	9/16-18 UNF
1-1/4"	1.26	0.98	5.50	2.50	4.62	3.50	0.08	0.44	1.63	3.76	4	5/8	6.69	0.35	0.85	0.40	M6	1.97	9/16-18 UNF
1-1/2"	1.50	1.26	6.50	2.88	5.00	3.87	0.08	0.50	1.87	4.13	4	5/8	7.87	0.38	1.26	0.59	M8	2.76	5/8-18 UNF
2"	1.97	1.50	7.00	3.62	6.00	4.75	0.08	0.56	2.22	4.49	4	3/4	7.87	0.38	1.26	0.59	M8	2.76	5/8-18 UNF
2-1/2"	2.44	1.97	7.50	4.12	7.00	5.50	0.08	0.62	2.62	5.22	4	3/4	11.81	0.63	1.67	0.73	M10	4.02	7/8-14 UNF
3"	2.99	2.37	8.00	5.00	7.50	6.00	0.08	0.69	2.97	5.59	4	3/4	11.81	0.63	1.67	0.73	M10	4.02	7/8-14 UNF
4"	3.86	3.00	9.00	6.19	9.00	7.50	0.08	0.88	3.78	7.68	8	3/4	15.75	0.71	2.17	0.98	M10	4.02	11/8-12 UNF
6"	5.91	3.94	10.5	8.50	11.00	9.50	0.08	0.94	5.24	9.49	8	7/8	15.75	0.71	2.44	1.18	M10	4.02	13/8-12 UNF

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

LOCATIONS



SHIPPING TIMES



*FedEx is Merit's Primary Carrier

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