

STAINLESS STEEL VALVES

3-PC Stainless Steel Ball Valve – Full Port, 1000/400 WOG (Threaded & Socket Weld)

KV310FP/KSWV310FP

Description

This specification covers 3-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 Valves in 3-PC provided by Merit Brass Co. are full port and designed to Class 1000 WOG. The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seats securing a stainless steel (CF8M - 316 SS) ball. This product is suitable for above, or below ground, applications.



Size Range

- 1/4" – 3"

Ends

- NPT
- Socket Weld

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

- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- Various Thread Standards Available
- Casting Approved by TÜV AD 2000 - Merkblatt W0

Applicable Standards

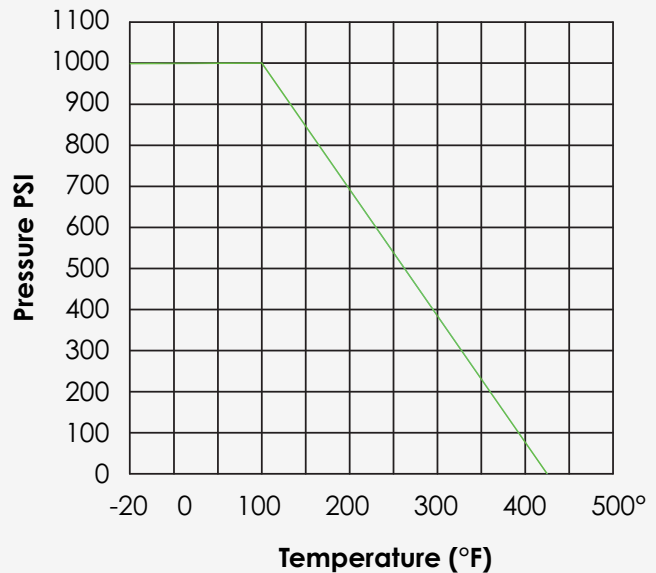
- Design: ASME B16.34, MSS SP-110
- Wall Thickness: EN 12516-3
- Pipe Thread (KV310FP): ASME B1.20.1
- Socket Weld (KSWV310FP): ASME B16.11
- Inspection & Testing: MSS SP-110

KV310FP Threaded

Size	Cv	Wt (Lbs)	Port (In)	Torque (In-Lbs)
1/4"	16	1.08	0.42	44
3/8"	23	0.99	0.50	44
1/2"	30	1.08	0.59	44
3/4"	55	1.70	0.79	53
1"	96	2.69	0.98	97
1-1/4"	170	4.10	1.26	168
1-1/2"	270	5.80	1.50	230
2"	470	8.94	1.97	337
2-1/2"	780	17.03	2.50	523
3"	1150	25.15	2.99	895

KSWV310FP Socket Weld

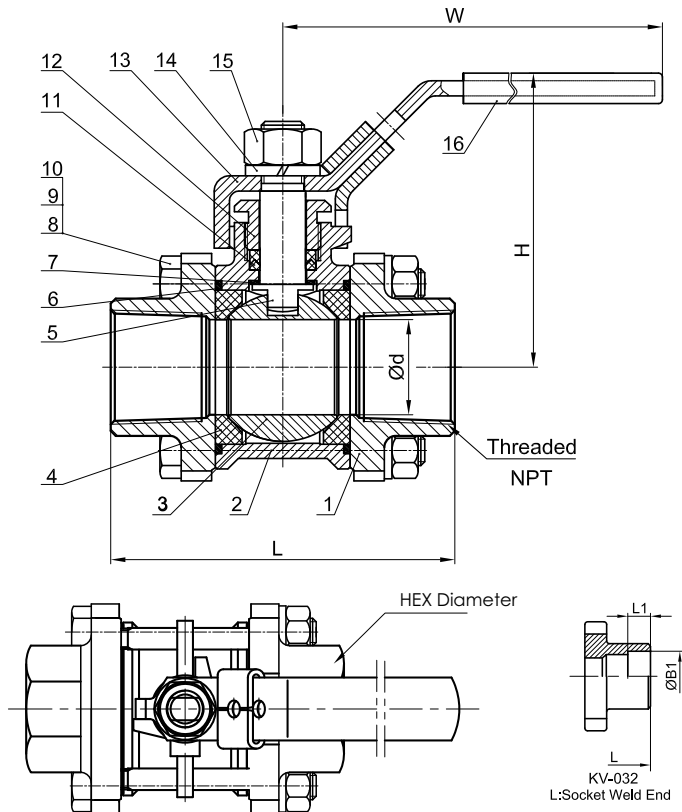
Size	Cv	Wt (Lbs)	Port (In)	Torque (In-Lbs)
1/4"	16	1.02	0.42	44
3/8"	23	1.10	0.50	44
1/2"	30	1.39	0.59	44
3/4"	55	1.68	0.79	53
1"	96	2.60	0.98	97
1-1/4"	170	4.06	1.26	168
1-1/2"	270	5.85	1.50	230
2"	470	8.43	1.97	337
2-1/2"	780	17.83	2.50	523
3"	1150	23.52	2.99	895



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No.	Part Name	Materials
1	End Cap (TH)	ASTM A351 CF8M(1.4408)
	End Cap (BW/SW)	ASTM A351 CF3M(1.4409)
2	Body	ASTM A351 CF8M(1.4408)
3	Ball	CF8M (316)
4	Ball Seat	PTFE
5	Stem	ASTM A276 316
6	Body Gasket	PTFE
7	Thrust Washer	PTFE
8	Bolting	A193-B8 CL1
9	Bolt Nut	A193-4
10	Bolt Washer	SUS 304
11	Packing	V-Type PTFE
12	Gland Nut	SUS 304
13	Handle+Lock Device	SUS 304
14	Washer	SUS 304
15	Handle Nut	A194-8 (304)
16	Handle Sleeve	PVC

Unit: Inch

Size	Ød	L	LB	LE	H	W	L1	ØB1	ØB2	ØB3	HEX Diameter
1/4"	0.42	2.57	2.57	8.86	2.28	3.94	0.39	0.55	0.37	0.71	0.87
3/8"	0.47	2.57	2.57	8.86	2.28	3.94	0.39	0.70	0.49	0.71	0.93
1/2"	0.59	2.74	2.95	8.86	2.28	3.94	0.39	0.86	0.62	0.87	1.10
3/4"	0.79	3.15	3.54	8.86	2.48	5.08	0.51	1.07	0.82	1.10	1.36
1"	0.98	3.54	3.94	9.65	2.99	6.14	0.51	1.34	1.05	1.34	1.65
1-1/4"	1.26	4.33	4.33	10.04	3.19	6.14	0.63	1.69	1.38	1.69	2.05
1-1/2"	1.50	4.72	4.92	10.24	3.70	7.24	0.63	1.93	1.61	1.97	2.30
2"	1.97	5.51	5.91	10.83	4.11	7.24	0.67	2.42	2.07	2.40	2.81
2-1/2"	2.50	7.28	7.48	12.99	5.16	9.92	0.67	2.91	2.47	2.99	3.41
3"	2.99	8.07	8.66	14.02	5.47	9.92	0.67	3.54	3.07	3.62	3.98

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LOCATIONS

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DALLAS DISTRIBUTION CENTER
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Dallas, TX 75220

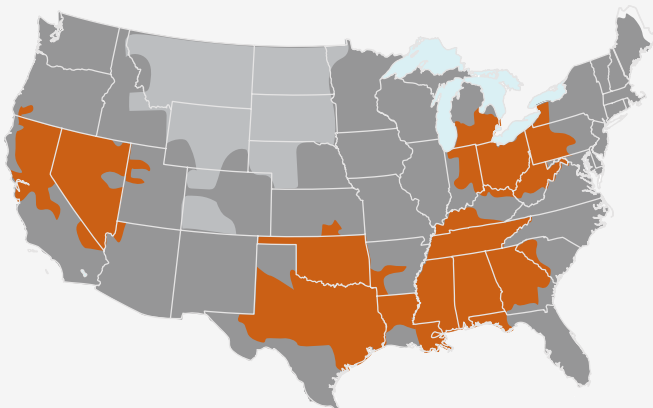
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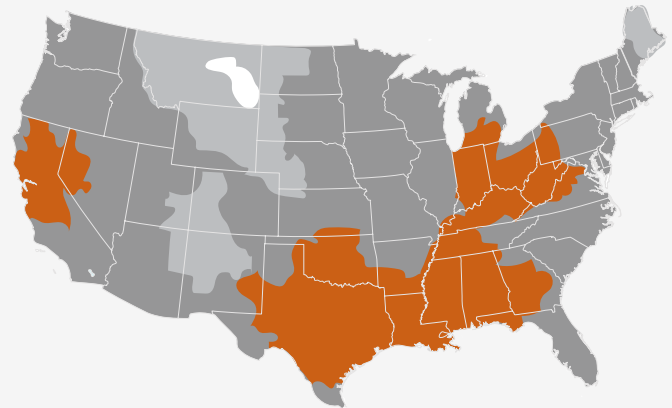
SHIPPING TIMES

UPS



1 Day 2 Days 3 Days

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1 Day 2 Days 3 Days 4 Days

*FedEx is Merit's Primary Carrier

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