

STAINLESS STEEL VALVES

1-PC Stainless Steel Ball Valve – Reduced Port, 800 WOG

V108



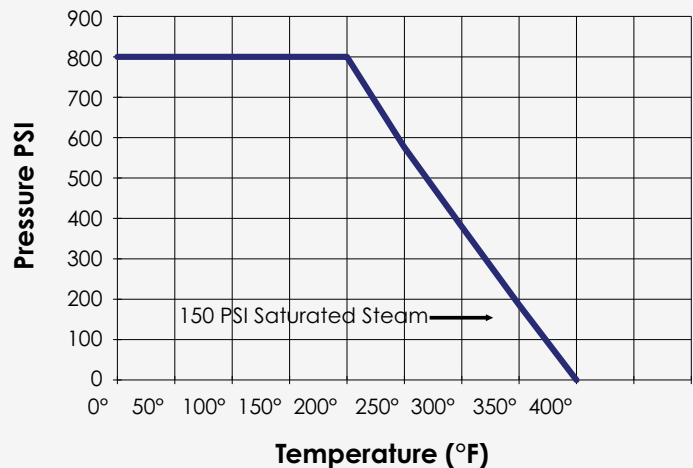
Design Features

- Blow-out Proof Stem
- Pressure Balance Hole Ball Slot
- Reduced Port
- Various Threaded Standards Available
- Locking Device is Available Upon Request

Applicable Standards

- Design: ASME/ANSI B16.34 EN12516
- Wall Thickness: ASME/ANSI B16.34 EN12516
- Pipe Thread: ASME/ANSI B1.20.1
- Inspection & Testing: ASME/ANSI B16.34 EN12516

Size	Cv	Weight (Lbs)	Port	Torque (In-Lbs)
1/4"	4	0.19	0.20	12
3/8"	4	0.24	0.32	12
1/2"	4.5	0.34	0.35	12
3/4"	9	0.53	0.49	20
1"	16	0.77	0.63	35
1-1/4"	24	1.54	0.79	55
1-1/2"	37	1.77	0.98	65
2"	68	2.79	1.26	80



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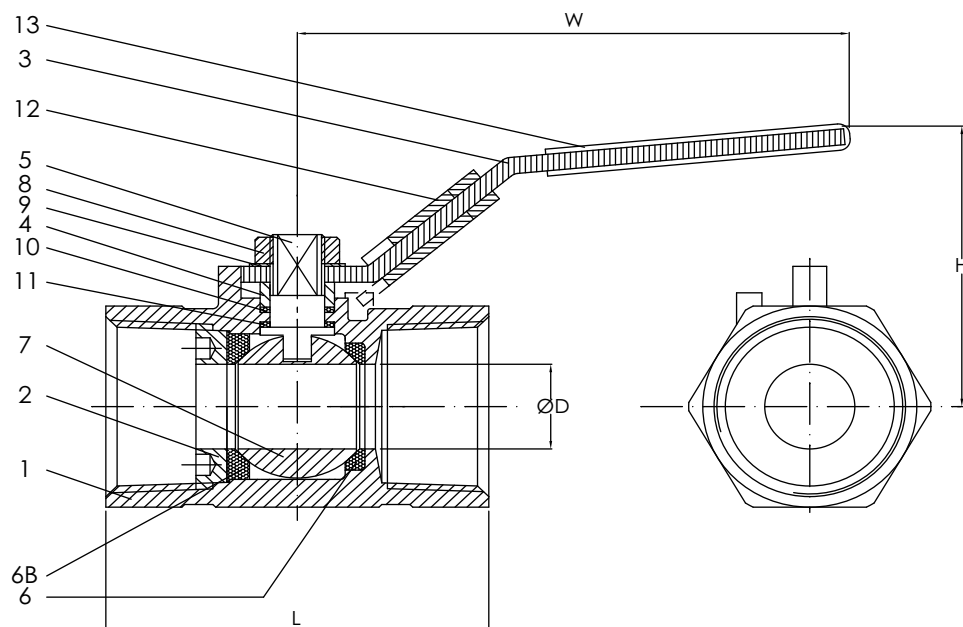
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STAINLESS STEEL VALVES

1-PC Stainless Steel Ball Valve – Reduced Port, 800 WOG

V108



Unit: Inch

NO.	Part Name	Qty	Material		
1	Body	1	ASTM	A351	CF8M
2	Insert	1	SUS316		
3	Handle	1	SUS304		
4	Gland	1	SUS304		
5	Stem	1	SUS316		
6	Seat Ring	1	Teflon		
6B	Seat Ring	1	Teflon		
7	Ball	1	SUS316		
8	Handle Nut	1	SUS304		
9	Spring Washer	1	SUS304		
10	Thrust Washer	1	Teflon		
11	Thrust Washer	1	Teflon		
12	Locking Device	1	SUS304		
13	Handle Cover	1	Plastic		

Size	D Port	L	H	W
1/4"	0.20	1.61	1.50	3.23
3/8"	0.32	1.73	1.57	3.23
1/2"	0.35	2.09	1.69	3.23
3/4"	0.49	2.36	1.97	3.94
1"	0.63	2.80	2.09	3.94
1-1/4"	0.79	3.23	2.60	5.91
1-1/2"	0.98	3.47	2.76	5.91
2"	1.26	4.09	2.95	5.91

STAINLESS STEEL VALVES

2-PC Stainless Steel Ball Valve – 2000/1500 WOG

V220/V215



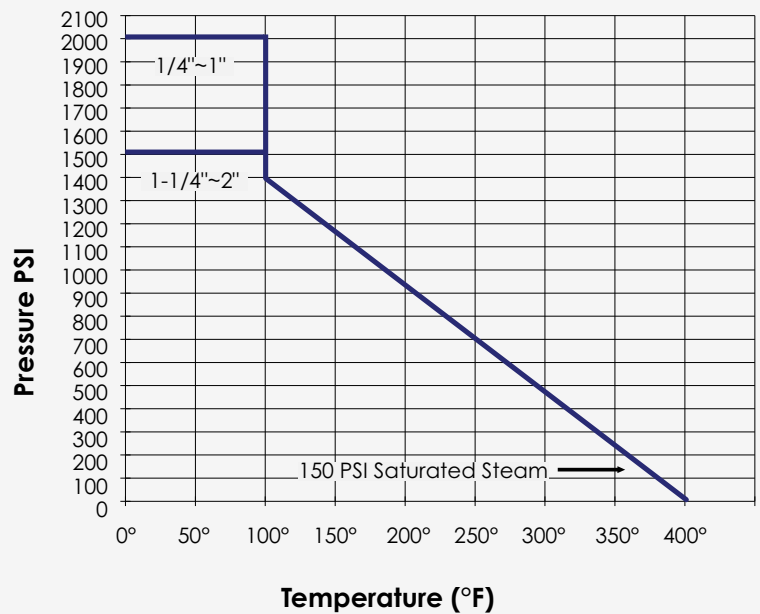
Design Features

- Blow-out Proof Stem
- Pressure Balance Hole Ball Slot
- Various Threaded Standards Available
- Locking Device is Available Upon Request

Applicable Standards

- Design: ASME/ANSI B16.34 EN12516
- Wall Thickness: ASME/ANSI B16.34 EN12516
- Pipe Thread: ASME/ANSI B1.20.1
- Inspection & Testing: ASME/ANSI B16.34 EN12266

Size	Cv	Weight (Lbs)	Port	Torque (In-Lbs)
1/4"	6	0.48	0.43	36
3/8"	6	0.48	0.43	36
1/2"	7	0.59	0.49	38
3/4"	10	1.06	0.63	43
1"	25	1.40	0.79	65
1-1/4"	35	2.91	0.98	100
1-1/2"	46	4.32	1.26	150
2"	80	5.25	1.50	185



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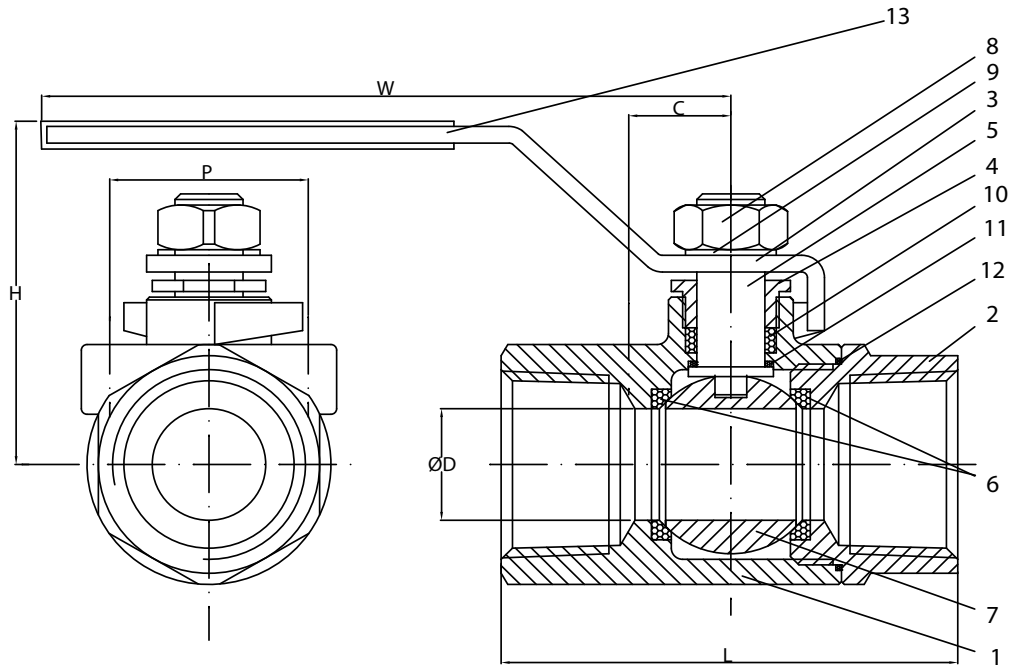
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STAINLESS STEEL VALVES

2-PC Stainless Steel Ball Valve – 2000/1500 WOG

V220/V215



Unit: Inch

NO.	Part Name	Qty	Materials		
1	Body	1	ASTM	A351	CF8M
2	End Cap	1	ASTM	A351	CF8M
3	Handle	1	SUS304		
4	Gland	1	SUS304		
5	Stem	1	SUS316		
6	Seat Ring	2	Teflon		
7	Ball	1	SUS316		
8	Handle Nut	1	SUS304		
9	Spring Washer	1	SUS304		
10	Grand Packing	3	Teflon		
11	Thrust Washer	1	Teflon		
12	Seal	1	Teflon		
13	Handle Device	1	Plastic		

	Size	D Port	L	W	H	C	P
V220 (1/4" - 1")	1/4"	0.43	2.01	3.78	1.87	0.50	1.12
	3/8"	0.43	2.01	3.78	1.87	0.50	1.12
	1/2"	0.49	2.32	3.78	1.87	0.50	1.12
	3/4"	0.63	2.72	4.96	2.15	0.88	1.38
	1"	0.79	3.17	4.96	2.26	0.88	1.38
V215	1-1/4"	0.98	3.72	7.05	2.78	0.95	1.50
	1-1/2"	1.26	4.00	7.05	2.97	0.95	1.50
	2"	1.50	4.70	7.05	3.15	0.95	1.50

STAINLESS STEEL VALVES

2-PC Stainless Steel Ball Valve – Full Port, 1000 WOG

V210FP



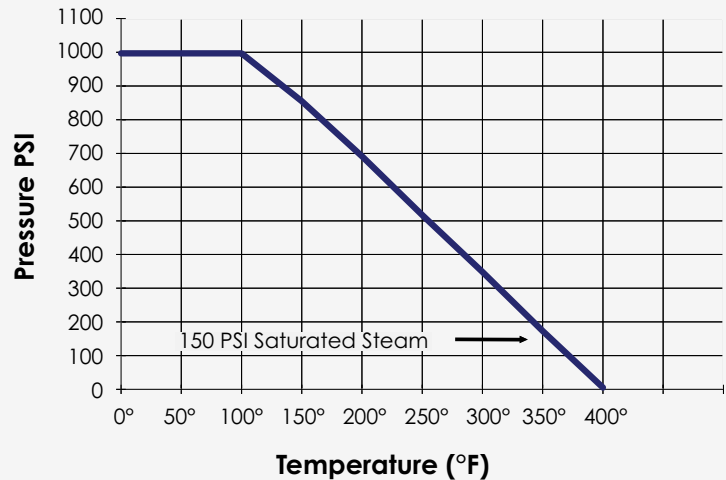
Design Features

- Blow-out Proof Stem
- Pressure Balance Hole Ball Slot
- Full Port
- Various Thread Standards Available
- Locking Device is Available Upon Request

Applicable Standards

- Design: ASME/ANSI B16.34 EN12516
- Wall Thickness: ASME/ANSI B16.34 EN12516
- Pipe Thread: ASME/ANSI B1.20.1
- Inspection & Testing: ASME/ANSI B16.34 EN12516

Size	Cv	Weight (Lbs)	Port	Torque (In-Lbs)
1/4"	6	0.56	0.43	35
3/8"	8	0.49	0.49	35
1/2"	12	0.70	0.63	40
3/4"	28	1.18	0.98	60
1"	37	1.64	0.79	100
1-1/4"	48	2.56	1.26	130
1-1/2"	82	3.69	1.50	160
2"	115	6.24	2.01	225
2-1/2"	315	13.31	2.56	420
3"	370	19.60	3.15	1350



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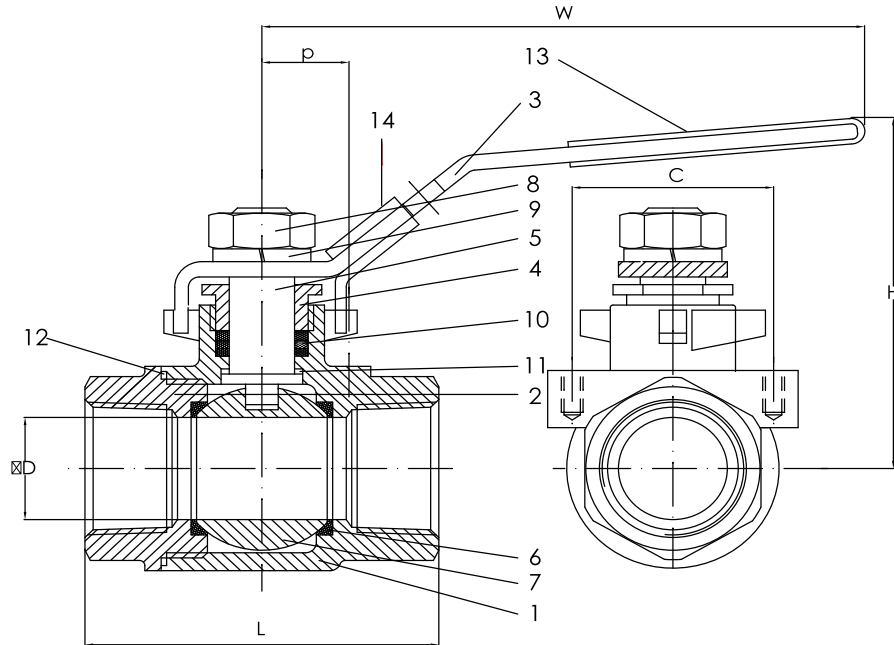
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STAINLESS STEEL VALVES

2-PC Stainless Steel Ball Valve – Full Port, 1000 WOG

V210FP



Unit: Inch

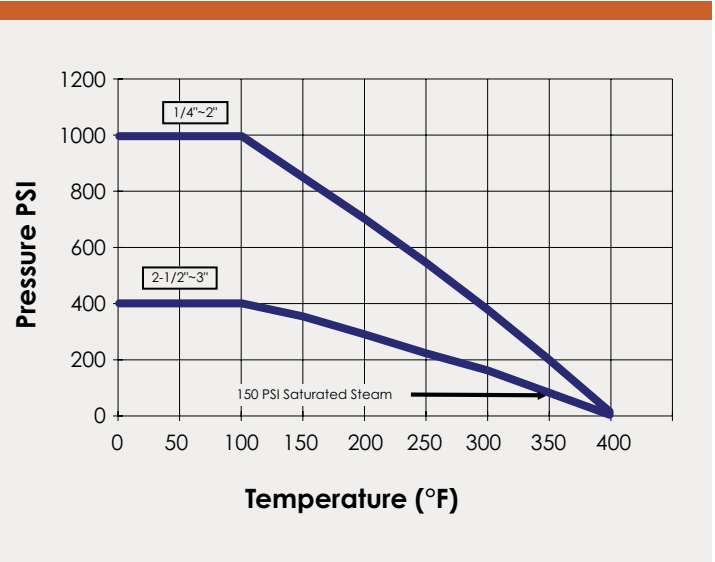
No.	Part Name	Qty	Material		
1	Body	1	ASTM	A351	CF8M
2	End Cap	1	ASTM	A351	CF8M
3	Handle	1	SUS304		
4	Gland	1	SUS304		
5	Stem	1	SUS316		
6	Seat Ring	2	Teflon		
7	Ball	1	SUS316		
8	Handle Nut	1	SUS304		
9	Spring Washer	1	SUS304		
10	Gland Packing	1	PTFE		
11	Thrust Washer	1	PTFE		
12	Seal	1	PTFE		
13	Handle Cover	1	Plastic		
14	Locking Device	1	SUS304		

Size	D Port	L	W	H	C	P
1/4"	0.43	1.97	3.78	2.13	1.12	0.50
3/8"	0.49	1.97	3.78	2.13	1.12	0.50
1/2"	0.63	2.44	3.78	2.24	1.12	0.50
3/4"	0.79	2.80	4.96	2.70	1.38	0.88
1"	0.98	3.82	4.96	2.85	1.38	0.88
1-1/4"	1.26	4.09	7.01	3.56	1.50	0.95
1-1/2"	1.50	3.27	7.01	3.74	1.50	0.95
2"	2.01	4.92	7.01	4.11	1.50	0.95
2-1/2"	2.56	6.85	9.61	4.72	2.56	1.75
3"	3.15	6.02	9.61	5.16	2.56	1.75

STAINLESS STEEL VALVES

3-PC Stainless Steel Ball Valve – Full Port 1000 WOG

V310FP/SWV310FP



Design Features

- Blow-out proof stem
- Pressure balance hole ball slot
- Full Port
- Various threaded standards available
- Locking device is available upon request

Applicable Standards

- Design: ASME/ANSI B16.34 EN12516
- Wall thickness: ASME/ANSI B16.34 EN12516
- Pipe thread: ASME/ANSI B1.20.1
- Socket weld: ASME/ANSI B16.11
- Inspection & testing: ASME/ANSI B16.34 EN12266

V310FP Threaded				
Size	Cv	Weight (Lbs)	Port	Torques (Lbs)
1/4"	6	0.69	0.43	36
3/8"	7	0.68	0.50	36
1/2"	10	1.03	0.63	40
3/4"	25	1.28	0.77	65
1"	35	2.47	0.98	100
1-1/4"	46	3.35	1.26	155
1-1/2"	80	4.36	1.50	185
2"	110	7.58	1.97	225
2-1/2"	310	14.17	2.56	420
3"	360	21.76	3.15	1380

SWV310FP Socket Weld				
Size	Cv	Weight (Lbs)	Port	Torques (Lbs)
1/2"	10	0.99	0.63	40
3/4"	25	1.28	0.77	65
1"	35	2.40	0.98	100
1-1/4"	46	3.30	1.26	155
1-1/2"	80	4.28	1.50	185
2"	110	7.46	1.97	225
2-1/2"	310	13.29	2.56	420
3"	360	20.76	3.15	1380

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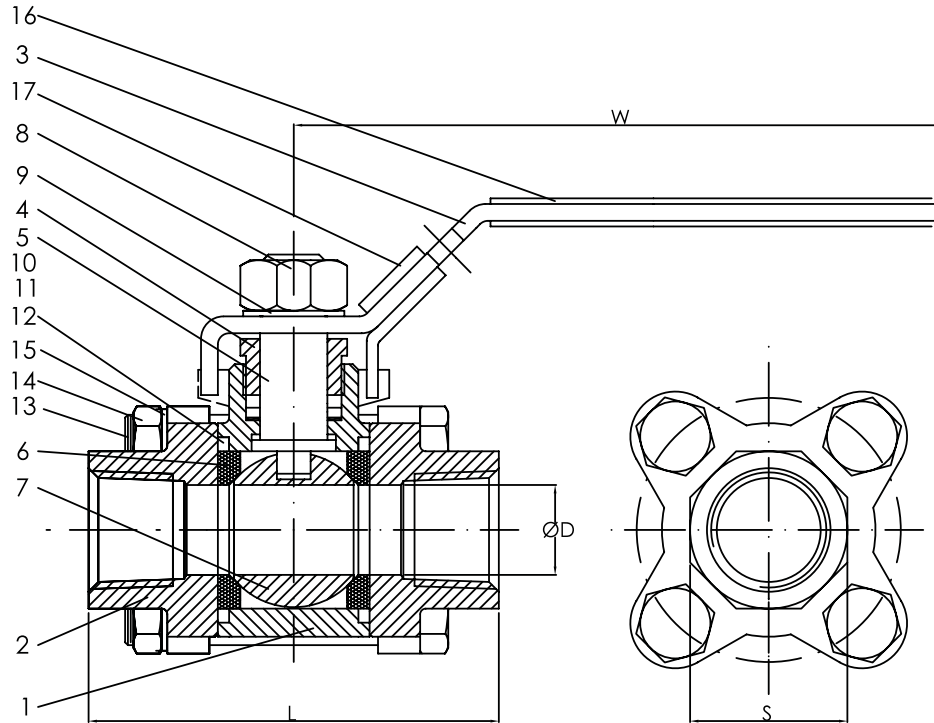
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STAINLESS STEEL VALVES

3-PC Stainless Steel Ball Valve – Full Port 1000 WOG

V310FP/SWV310FP



Unit: Inch

NO.	Part Name	Qty.	Material		
1	Body	1	ASTM	A351	CF8M
2	End Cap	2	ASTM	A351	CF8M
3	Handle	1	SUS 304		
4	Gland	1	SUS 304		
5	Stem	1	SUS 316		
6	Seat Ring	2	Teflon		
7	Ball	1	SUS 316		
8	Handle Nut	1	SUS 304		
9	Spring Washer	1	SUS 304		
10	Thrust Washer	1,2	Teflon		
11	Thrust Washer	1	Teflon		
12	Seal Washer	2	Teflon		
13	Bolts	4	SUS 304		
14	Nut	4	SUS 304		
15	Spring Washer	4	SUS 304		
16	Handle Cover	1	Plastic		
17	Locking Device	1	SUS 304		

Size	D Port	S	L	W	H
1/4"	0.43	0.87	2.17	3.80	1.70
3/8"	0.50	0.87	2.17	3.80	1.70
1/2"	0.63	1.06	2.52	4.25	2.05
3/4"	0.77	1.30	2.91	4.25	2.15
1"	0.98	1.58	3.31	7.01	2.68
1-1/4"	1.26	1.97	3.78	7.01	2.87
1-1/2"	1.50	2.21	4.13	7.01	3.05
2"	1.97	2.76	4.84	7.01	3.43
2-1/2"	2.56	3.43	5.98	9.61	4.72
3"	3.15	3.94	6.85	9.61	5.16

STAINLESS STEEL VALVES

Class 600 Stainless Steel Y-Strainer – “V” Series

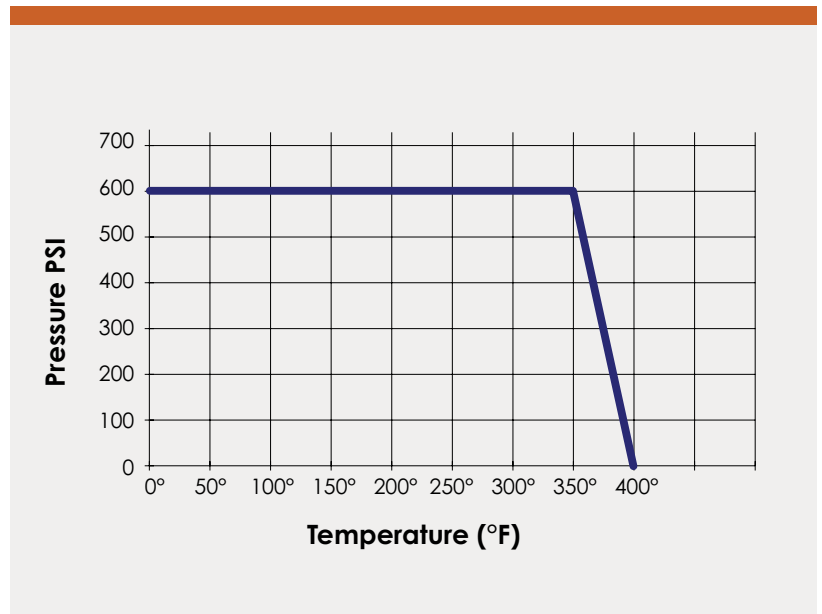
WYE



Applicable Standards

- Design: ASME B16.34
- Testing: API 598
- 600 PSI Working Pressure at 350°F

Size	Cv	Weight (Lbs)	Port
3/8"	2.5	0.68	0.35
1/2"	3.5	1.07	0.55
3/4"	5	1.46	0.67
1"	9	2.30	0.87
1-1/4"	16	3.64	1.06
1-1/2"	21	5.09	1.34
2"	40	8.17	1.65
2-1/2"	60	9.99	2.40
3"	75	13.92	2.99



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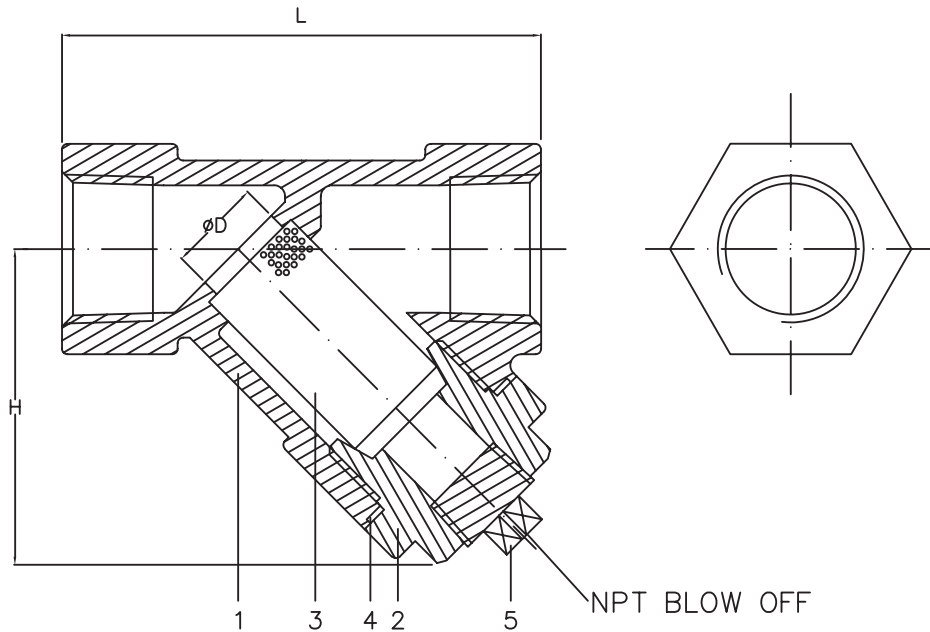
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STAINLESS STEEL VALVES

Class 600 Stainless Steel Y-Strainer – “V” Series

WYE



Unit: Inch

NO.	Part Name	Qty	Material		
1	Body	1	ASTM	A351	CF8M
2	Bonnet	2	ASTM	A351	CF8M
3	Screen	1	SUS316 20 Mesh Screen Standard		
			SUS316 40 Available Upon Request		
4	Gasket	1	PTFE		
5	Plug	1	ASTM	A351	CF8M

Size	D Port	L	H	Plug Size
3/8"	0.35	2.64	1.59	1/4"
1/2"	0.55	2.99	1.99	3/8"
3/4"	0.67	3.43	2.21	3/8"
1"	0.87	4.06	2.73	1/2"
1-1/4"	1.06	4.72	3.13	1/2"
1-1/2"	1.34	5.31	3.65	3/4"
2"	1.65	6.30	4.24	3/4"
2-1/2"	2.40	7.87	5.28	1-1/4"
3"	2.99	8.86	5.72	1-1/4"

STAINLESS STEEL VALVES

Class 200 WOG Stainless Steel Gate Valve Threaded – Full Port, “V” Series

VG1102

Description

This specification covers 2-PC Stainless Steel Gate 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 Gate Valves provided by Merit Brass Co. are designed with a working pressure of 200psi, up to 350° F. The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (SUS316) gate. This product is suitable for above ground applications.



Size Range

- 1/2" – 2"

Ends

- NPT

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.

STAINLESS STEEL VALVES

Class 200 WOG Stainless Steel Gate Valve Threaded – Full Port, “V” Series

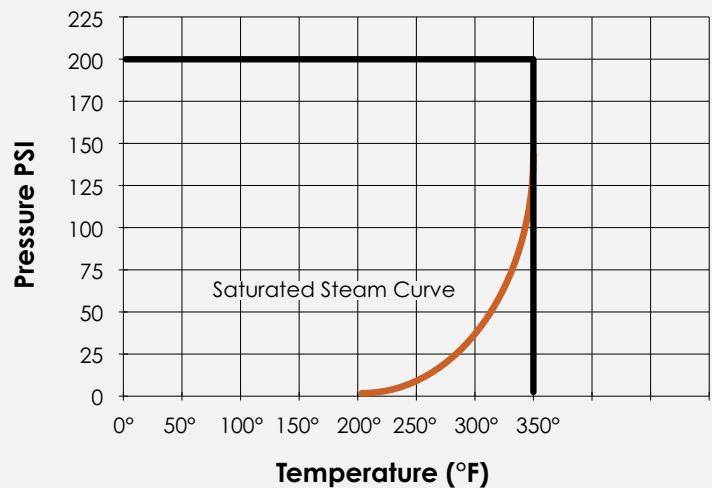
VG1102



Applicable Standards

- Design: ASME/ANSI B16.34
- Testing: API 598
- 200 PSI Working Pressure at 350°F
- 316 Stainless Steel
- Screwed Bonnet
- Solid Wedge Disc
- Non-Rising Stem
- Hydrostatic Shell Test at 300 PSI
- Hydrostatic Seat Test at 220 PSI
- Threaded Ends

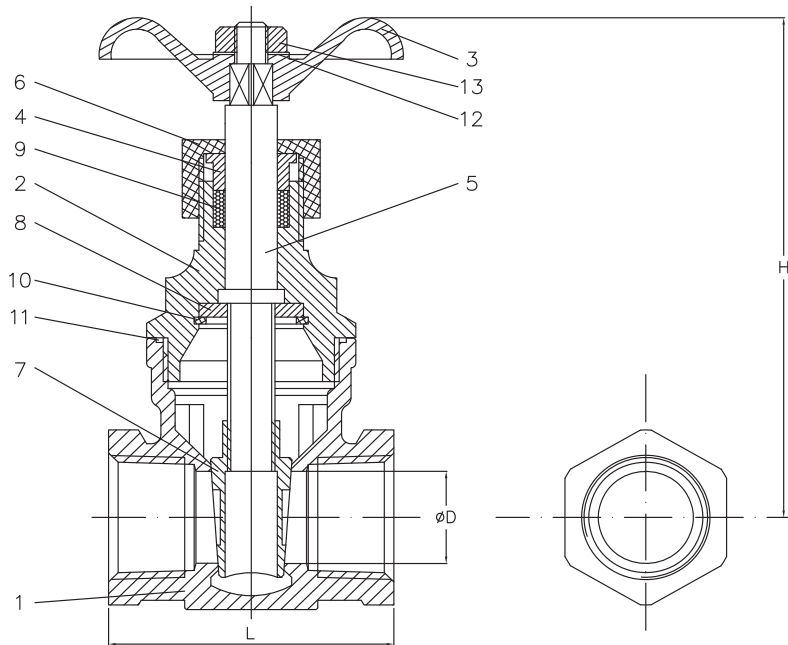
Size	Cv	Weight (Lbs)	Port
1/2"	17.6	0.97	0.59
3/4"	32	1.43	0.79
1"	54	1.75	0.98
1-1/4"	97	2.98	1.26
1-1/2"	130	3.73	1.50
2"	230	5.34	1.97



STAINLESS STEEL VALVES

Class 200 WOG Stainless Steel Gate Valve Threaded – Full Port, “V” Series

VG1102



Unit: Inch

No.	Part Name	Qty	Material
1	Body	1	ASTM A351 CF8M
2	Bonnet	1	ASTM A351 CF8M
3	Hand Wheel	1	Aluminum
4	Gland	1	S.S. 316
5	Stem	1	S.S. 316
6	Packing Nut	1	S.S. 304
7	Disc	1	S.S. 316
8	Stem Washer	1	S.S. 316
9	Gland Packing	1	Teflon
10	Snap Ring	1	SUS316
11	Joint Gasket	1	Teflon
12	Name Plate	1	Aluminum
13	Wheel Nut	1	S.S. 304

Size	D Port	L	H
1/2"	0.59	2.17	3.74
3/4"	0.79	2.36	4.33
1"	0.98	2.56	4.72
1-1/4"	1.26	3.15	5.31
1-1/2"	1.50	3.35	5.71
2"	1.97	3.74	6.69

STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Wye Pattern Valve – Threaded “V” Series

VSCWP102

Description

This specification covers Stainless Steel Check 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 Swing Check Valves (Y-Pattern) provided by Merit Brass Co. are designed with a working pressure of 200psi, up to 350° F. The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (SUS316) disc. This product is suitable for above ground applications.



Size Range	Ends
• 1/2" – 2"	• NPT

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.

STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Wye Pattern Valve – Threaded “V” Series

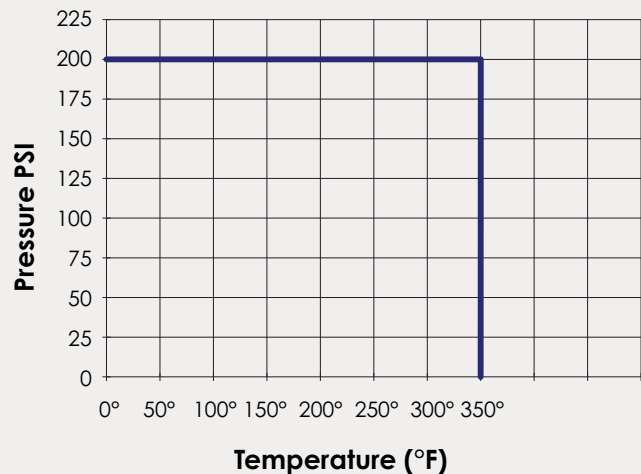
VSCWP102



Applicable Standards

- Design: ASME B16.34
- Testing: API 598
- 200 PSI Working Pressure at 350 °F

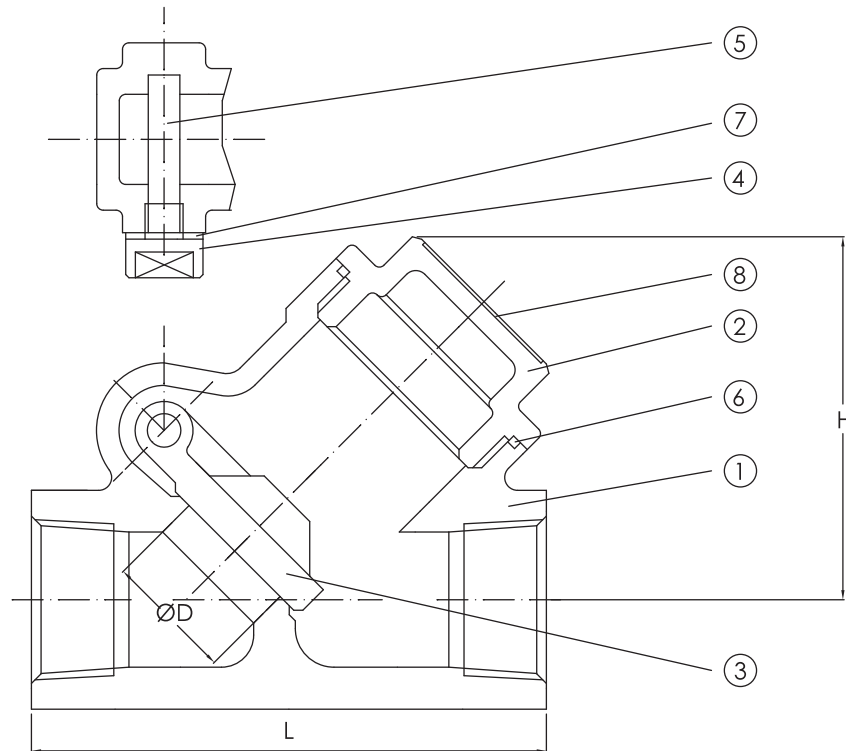
Size	Cv	Weight (Lbs)	Port
1/2"	3.5	0.74	0.59
3/4"	6.5	1.16	0.79
1"	9.5	1.86	0.98
1-1/4"	18.5	2.58	1.26
1-1/2"	24	3.90	1.50
2"	45	5.64	1.97



STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Wye Pattern Valve – Threaded “V” Series

VSCWP102



Unit: Inch

No.	Part Name	Qty	Material		
1	Body	1	ASTM	A351	CF8M
2	Bonnet	1	ASTM	A351	CF8M
3	Disc	1	ASTM	A351	CF8M
4	Plug	1	SUS316		
5	Hinge Pin	1	SUS316		
6	Gasket Packing	1	PTFE		
7	Gasket Packing	1	PTFE		
8	Name Plate	1	AL		

Size	D Port	L	H
1/2"	0.59	2.56	1.81
3/4"	0.79	3.15	2.20
1"	0.98	3.54	2.60
1-1/4"	1.26	4.13	2.99
1-1/2"	1.50	4.72	3.54
2"	1.97	5.51	4.13

STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Valve – Threaded, Full Port, “V” Series

VSC102

Description

This specification covers Stainless Steel Check 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 Swing Check Valves provided by Merit Brass Co. are designed with a working pressure of 200psi, up to 350 degrees F. The housing shall conform to ASTM A351 CF8M (316 SS) with PTFE seals securing a stainless steel (SUS 316) disc. This product is suitable for above ground applications.



Size Range	Ends
• 1/4" – 3"	• NPT

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.

STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Valve – Threaded, Full Port, “V” Series

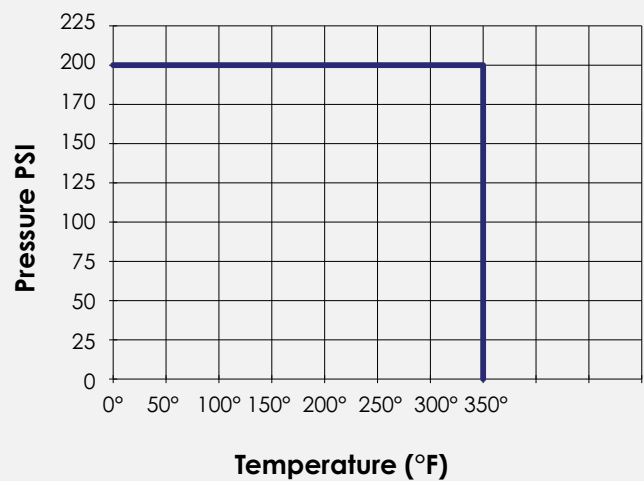
VSC102



Applicable Standards

- Design: ASME B16.34
- Testing: API 598
- 200 PSI Working Pressure at 350°F

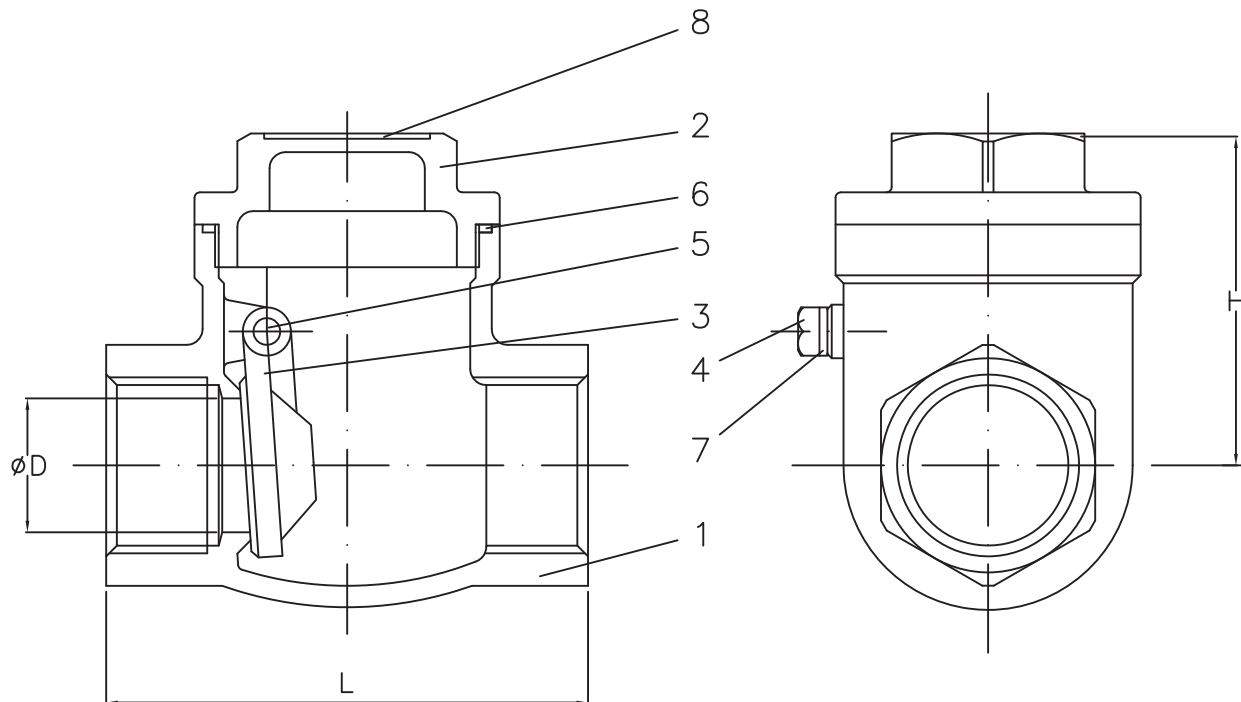
Size	Cv	Weight (Lbs)	Port
1/4"	5.30	0.52	0.43
3/8"	5.30	0.49	0.43
1/2"	6.90	0.62	0.59
3/4"	16.30	1.01	0.79
1"	30	1.60	0.98
1-1/4"	49	2.56	1.26
1-1/2"	70	3.40	1.50
2"	130	5.78	1.97
2-1/2"	205	12.13	2.56
3"	306	15.34	3.15



STAINLESS STEEL VALVES

Class 200 Stainless Steel Swing Check Valve – Threaded, Full Port, “V” Series

VSC102



Unit: Inch

No.	Part Name	Qty	Material		
1	Body	1	ASTM	A351	CF8M
2	Cap	1	ASTM	A351	CF8M
3	Disc	1	ASTM	A351	CF8M
4	Plug	1	SUS316		
5	Hinge Pin	1	SUS316		
6	Joint Gasket	1	Teflon		
7	Gasket	1	Teflon		
8	Name Plate	1	Aluminum		

Size	D Port	L	H
1/4"	0.43	2.36	1.63
3/8"	0.43	2.36	1.63
1/2"	0.59	2.56	1.89
3/4"	0.79	3.17	2.17
1"	0.98	3.54	2.44
1-1/4"	1.26	4.13	2.76
1-1/2"	1.50	4.72	3.15
2"	1.97	5.51	3.54
2-1/2"	2.56	7.09	4.53
3"	3.15	7.87	4.92

LOCATIONS

SPARKS DISTRIBUTION CENTER
200 Vista Boulevard Suite #106
Sparks, NV 89434

LONG BEACH PIPE DEPOT
2396 E. Artesia Blvd
Long Beach, CA 90805

DALLAS DISTRIBUTION CENTER
10614 King William Drive
Dallas, TX 75220

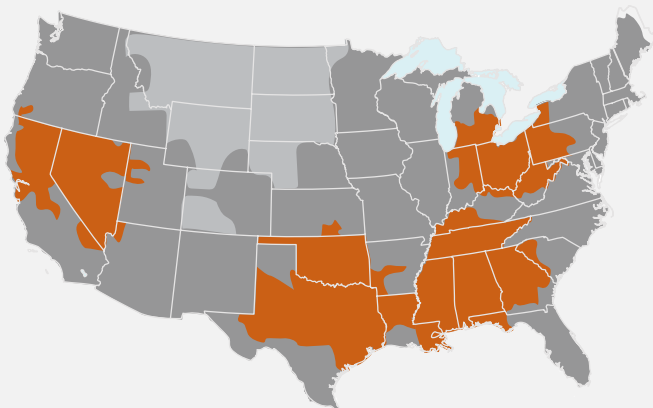
CLEVELAND HEADQUARTERS
One Merit Drive/PO Box 43127
Cleveland, OH 44143

BIRMINGHAM DISTRIBUTION CENTER
220 Oxmoor Court
Birmingham, AL 35209

HOUSTON DISTRIBUTION CENTER
4680 S. Sam Houston Pkwy W, Suite 120
Houston, TX 77053

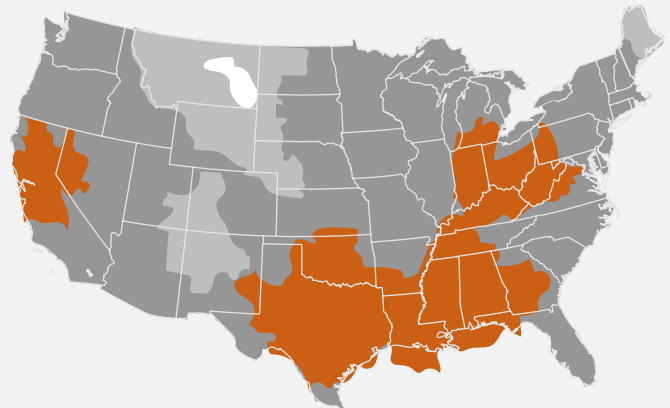
SHIPPING TIMES

UPS



1 Day 2 Days 3 Days

FedEx



1 Day 2 Days 3 Days 4 Days

*FedEx is Merit's Primary Carrier

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