



# 86-500 Series

## Stainless Steel 3-Piece High Pressure Full Port Ball Valve

Threaded, 1/4" to 1" 1500 psig WOG, 1-1/4" & 2" 1250 psig WOG, Cold Non-Shock. 150 psig Saturated Steam. Vacuum Service to 29 inches Hg.

Federal Specification: WW-V-35C, Type: II, Composition: SS, Style: 1.

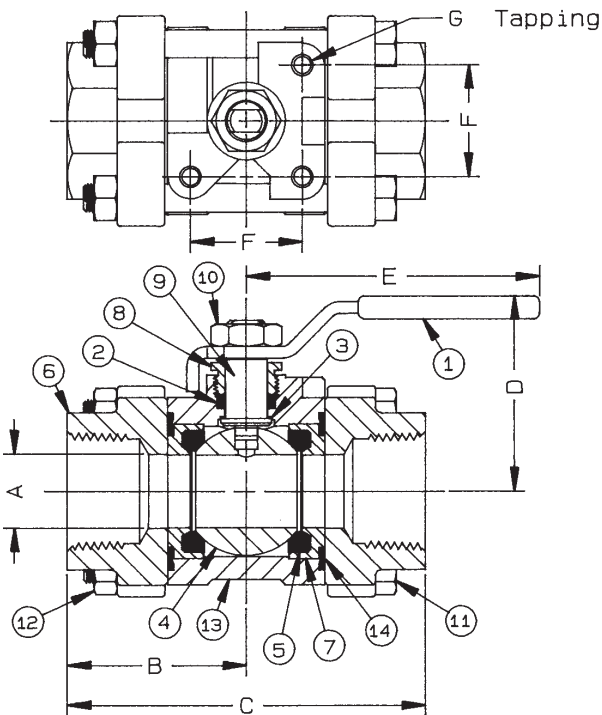
MSS SP-110; Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

### FEATURES

- Adjustable packing gland
- In-line repairable
- Blow-out-proof stem design
- (-29) Certified to API standard 607, 4th Edition, Class 600 burn
- Meets NACE MR-01-75
- Investment Cast Components
- Actuator mounting pad (3/4" to 2")
- RPTFE seats and seals

### STANDARD MATERIAL LIST

1. Lever and grip	304 SS w/vinyl	8. Gland nut	A276-316
2. Stem packing	RPTFE	9. Stem	A276-316
3. Stem bearing	RPTFE	10. Lever nut	304 SS
4. Ball	A276-316	11. Body bolt (4)	18-8 SS
5. Seat (2)	RPTFE	12. Hex nut (4)	18-8 SS
6. End cap (2)	A351-CF3M	13. Body	A351-CF8M
7. Seat holder (2)	A276-316	14. Body seal (2)	RPTFE



STAINLESS STEEL 3-PIECE HIGH PRESSURE FULL PORT BALL VALVE

NUMBER	SIZE	A	B	C	D	E	F	G	Wt.
86-501-01	1/4"	.43	1.50	3.00	1.93	3.87	N/A	N/A	1.23
86-502-01	3/8"	.50	1.50	3.00	1.93	3.87	N/A	N/A	1.18
86-503-01	1/2"	.62	1.69	3.38	2.00	4.81	N/A	N/A	1.62
86-504-01A	3/4"	.81	1.93	3.87	2.18	4.81	1.25	1/4-20	2.27
86-505-01A	1"	1.00	2.25	4.50	2.62	5.50	1.62	5/16-18	3.54
86-506-01A	1-1/4"	1.25	2.43	4.87	2.87	5.50	1.62	5/16-18	6.00
86-507-01A	1-1/2"	1.50	2.62	5.25	3.35	8.00	1.62	5/16-18	8.84
86-508-01A	2"	2.00	3.12	6.25	3.75	8.00	1.62	5/16-18	15.28

### OPTIONS AVAILABLE:

(SUFFIX)	OPTION	SIZES
-02-	Static Grounded	1/4" to 2"
-03-	1-1/4" Stem Extension	1/4" to 2"
-04-	2-1/4" Stem Extension	1/4" to 2"
-07-	Tee Handle	1/4" to 2"
-08-	90° Reversed Stem	1/4" to 2"
-14-	Vented Ball (see page J-2)	1/4" to 2"
-15-	Round Handle	1/4" to 2"
-16-	Vertical Chain Lever	1/2" to 2"
-18-	Plain Yellow Grip	1/4" to 2"
-27-	Latch Lock Lever	1/4" to 2"
-29-	Firesafe	1/4" to 2"
-32-	SS Tee Handle & Nut	1/4" to 2"
-38-	PEEK Seats & Bearing (Graphite Packing & Seals)	1/4" to 2"
-45-	Less Lever & Nut	1/4" to 2"
-47-	SS Latch-Lock Oval Handle	1/4" to 2"
-48-	SS Oval Handle (No Latch) & Nut	1/4" to 2"
-49-	Assembled Dry	1/4" to 2"
-56-	Multifull Seats	1/4" to 2"
-57-	Oxygen Cleaned	1/4" to 2"
-58-	Chain Lever - Horizontal	1/2" to 2"
-60-	Grounded Ball & Stem	1/4" to 2"
-63-	Threaded x Socket Weld	1/2" to 2"
-64-	250# Steam Trim	1/4" to 2"
-66-	FNPT x Butt Weld	1/2" to 2"
-P01-	BSPP (Parallel) Thread Connection	1/4" to 2"
-T01-	BSPT (Tapered) Thread Connection	1/4" to 2"

**For Pressure/Temperature Ratings, Refer to Page M-11, Graph No. 12**