

# 85A-500 SERIES

STAINLESS STEEL 3-PIECE STANDARD PORT 1500 CWP SCH. 40 BUTT WELD BALL VALVE



## STANDARD COMPLIANCE

- Valve Design: MSS SP-110, NACE MR0175 (2000) & MR0103 (2012)
- End Connections: Butt-Weld per ASME B16.25

- Valve Marking: MSS SP-25
- Production Testing: MSS SP-110

## FEATURES

- 3-piece construction with enclosed fasteners
- Standard port
- Stainless steel trim & hardware
- Swing-out center section
- Pressure balanced solid ball
- Compression controlled RPTFE gaskets
- Anti-blowout one piece bottom entry stem
- Two-position locking

- Fully machined ISO 5211 mounting
- Cast bosses on the center-section and end caps for bleed & drain ports
- Vacuum service to 29 in of Hg.
- 150 psig saturated steam

## VARIATIONS AVAILABLE

- 85A-300 Schedule 5 Butt-Weld
- 85A-400 Schedule 10 Butt-Weld
- 85A-600 Schedule 80 Butt-Weld

## STANDARD MATERIAL LIST

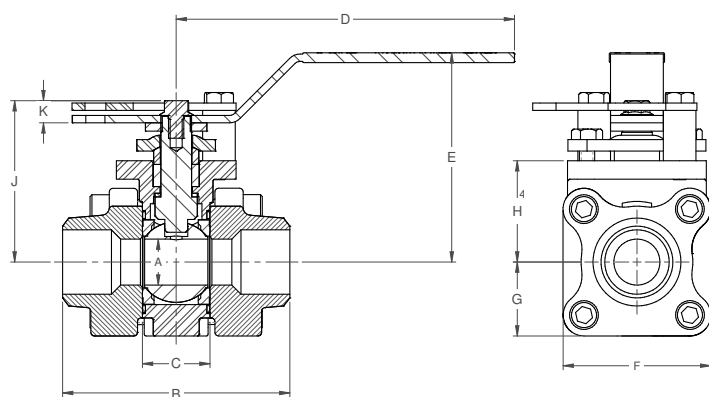
	PART	MATERIAL
1	Body	ASTM A351-CF8M
2	End Caps	ASTM A351-CF3M
3	Ball	ASTM A276-316SS
4	Stem	ASTM A276-316SS
5	Seat	Multi-Seal
6	Packing	PTFE
7	Stem Bearing	PEEK/PTFE
8	Body Gasket	RPTFE
9	Body Bolts	18-8 Stainless Steel
10	Stop Bolts	18-8 Stainless Steel
11	Gland Bolts	18-8 Stainless Steel
12	Handle Nut/Screw	300 Series Stainless Steel
13	Packing Gland	ASTM A276-316SS
14	Gland Plate	300 Series Stainless Steel
15	Lever Handle	300 Series Stainless Steel
16	Lock Plate	300 Series Stainless Steel
17	Stops	300 Series Stainless Steel

## OPTIONS AVAILABLE

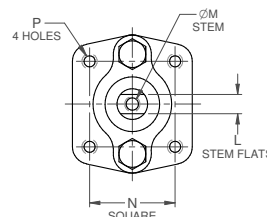
(MORE INFORMATION IN SECTION J)

- Minimum quantities apply
- To specify an option, replace the "01" standard suffix with the suffix of the option.
- To specify multiple options, replace the "01" suffix with the desired suffixes in the numerical order shown below. NOTE: Not all suffixes can be combined together.

(SUFFIX)	OPTION	SIZES
-01	Standard Configuration	All
-04-	2.25" Stem Extension (Carbon Steel, Zinc Plated)	3/4" to 2-1/2"
-14-	Vented Ball	3/4" to 2-1/2"
-15-	Round Handle	3/4" to 2-1/2"
-49-	No Lubrication. Assembled Dry.	3/4" to 2-1/2"
-57-	Cleaned for Oxygen Service	3/4" to 2-1/2"
-60-	Static Grounding	3/4" to 2-1/2"
-62-	Center Section Only	3/4" to 2-1/2"
-66-	FNPT x Butt-weld	3/4" to 2-1/2"
-69-	Drilled & Tapped Purge & Drains	3/4" to 2-1/2"
-70-	4" Extended Bonnet	3/4" to 2-1/2"
-76-	Live Loaded (Lever Operated)	3/4" to 2-1/2"
-77-	Live Loaded (Actuated)	3/4" to 2-1/2"
-90-	Double Packed 4" Extended Bonnet	3/4" to 2-1/2"
-9P-	Double Packed 4" Extended Bonnet w/ Monitoring Port	3/4" to 2-1/2"
-KF-	PCTFE Stem Bearing	3/4" to 2-1/2"
-SR-	Spring Return Handle	3/4" to 1"



**Pressure/Temperature Ratings - Page M-19, Graph No. 24**



## DIMENSIONS

PRODUCT NO.	SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	WT.
85A-504-01	3/4"	0.50	2.80	0.89	5.12	3.03	2.02	1.01	1.39	1.98	0.24	0.245	0.375	1.00	10-24	2.6
85A-505-01	1"	0.75	3.70	1.10	5.51	3.41	2.41	1.20	1.65	2.37	0.24	0.312	0.500	1.392	1/4-20	4.3
85A-507-01	1.5"	1.25	4.59	1.73	6.67	4.61	3.52	1.76	2.38	3.78	0.72	0.412	0.625	1.949	5/16-18	11.9
85A-508-01	2"	1.50	5.09	1.97	6.67	4.76	3.84	1.92	2.49	3.89	0.69	0.412	0.625	1.949	5/16-18	15.2
85A-509-01	2.5"	2.00	6.42	2.56	8.40	5.52	4.56	2.33	3.17	4.74	0.77	0.477	0.750	1.949	5/16-18	25.9