

Model A-522-C1-CS-ST

Ball Valve

July 14, 2017

(Rev 1)

TECHNICAL SPECIFICATIONS

- Full 4" Dia. port opening
- Flow Coefficient (Cv): 2500 (Est.)
- Max Pressure: 275 PSIG @ 100°F
- Max Temp. 400°F
- Packing Nut Torque (Item #13): 150 ft-lb
- Cap Socket Head Screw (Item #9) Torque: 130 ft-lb Min; 250 ft-lb Max
- Cap (Item #1)-to-Body (Item #4) gap: 0.002" Ma
- Seat Seal (Item #10) Lubricant: DOW Corning 111
- Mounting Bolt (supplied by installer) Torque: 150~175 ft-lb
- Operating Torque: 70~160 ft-lb

- Handle Rotation: Counterclockwise to CLOSE VALVE. For Clockwise rotation to close, remove Locknut (Item #13), remove and turn over Stop Plate (Item #8), reinstall Locknut and tighten to 150 ft-lb.
- Mounting: Mates to Universal Saddle with 8.485" OD x 7.500" ID x 0.350" High Tongue and (8) 3/4-10 UNC tapped holes on a 10.63 BCD
- Recommended Gasket Size:
* 0.50" OD x 7.50" ID x 0.12" Thick
- Reference: "Instructions for Series A-520 and A-522 Installation, Operation, Inspection and Maintenance" – Midland doc. No. "INST A520/522"
- AAR Approval No. E122005



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ITEM	QTY	PART NAME	MATERIAL	PART NO.
1	1	CAP	STEEL	520-112-CS
2	1	STEM	STAINLESS STEEL	520-2-SS
3	1	BALL	STAINLESS STEEL	520-30-MO
4	1	BODY	STEEL	522-45-CS
5	1	PACKING	VIRGIN TEFLON	520-5-01-TF
6	1	SPACER	STAINLESS STEEL	520-6-SS
7	1	PIN	STEEL	520-7-CS
8	1	STOP PLATE	STEEL PLATED	520-8-CS
9	8	CAPSCREW, HEX-SOC, 5/8" -11UNC-2A X 1" LG	STEEL	520-9-CS
10	2	SEAL, BALL	316 SS FILLED TEFLON	520-10-04-ST
11	1	SEAL, VALVE BODY	VIRGIN TEFLON	520-11-01-TF
12	1	WASHER, THRUST	VIRGIN TEFLON	520-12-01-TF
13	1	LOCKNUT, HEX, THIN, 1 1/8" -12UNF, NYLON INSERT	STEEL PLATED	520-13-CS
14	1	NAMEPLATE	STAINLESS STEEL	522-14-93-SS

