

## Model A-522-C2-CS

4" Ball Valve

July 14, 2017

(Rev 7)

### 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:  
\* 8.50" 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                                     | VIRGIN TEFLON   | 520-10-01-TF |
| 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 |

