

# Class 300 Bronze Gate Valves

Block Pattern • Union Bonnet • Rising Stem • Alloy Solid Wedge

**300 PSI/20.7 Bar Saturated Steam to 421° F/216° C**  
**600 PSI/41.4 Bar Non-Shock Cold Working Pressure**

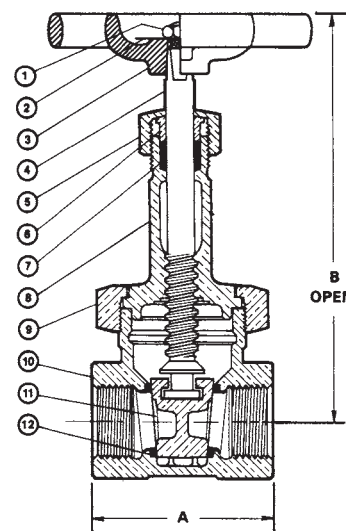
CONFORMS TO MSS SP-80

## MATERIAL LIST

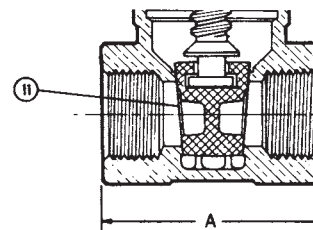
| PART                    | SPECIFICATION                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------|
| 1. Handwheel Nut        | 300 Series Stainless Steel                                                                 |
| 2. Identification Plate | Aluminum                                                                                   |
| 3. Handwheel            | Malleable Iron ASTM A 47                                                                   |
| 4. Stem                 | Silicon Bronze ASTM B 371<br>Alloy C69400/C69430<br>or ASTM B 99 Alloy C65100              |
| 5. Packing Nut          | Bronze ASTM B 62 or ASTM B 584<br>Alloy C84400 or Brass ASTM B 16                          |
| 6. Packing Gland        | Bronze ASTM B 62 or ASTM B 584<br>Alloy C84400 or Brass ASTM B 16                          |
| 7. Packing              | Aramid Fibers with Graphite                                                                |
| 8. Bonnet               | Bronze ASTM B 61                                                                           |
| 9. Union Nut            | Bronze ASTM B 61                                                                           |
| 10. Body                | Bronze ASTM B 61                                                                           |
| 11. Wedge               | T-174-SS Bronze ASTM B 61<br>T-174-A Copper Nickel Alloy                                   |
| 12. Seats               | T-174-SS Stainless Steel Type 410<br>ASTM A 276 Alloy 541000<br>T-174-A Integral with Body |



**T-174-SS**  
**T-174-A**  
 Threaded



**T-174-SS**  
 NPT x NPT  
 with Stainless Steel Seats



**T-174-A**  
 NPT x NPT  
 with Integral Seats

**FREEZING WEATHER PRECAUTION:** Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

◆ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 113.

## DIMENSIONS—WEIGHTS—QUANTITIES

### Dimensions

| Size  |     | T-174-SS |     |       |     | T-174-A |     |       |     | T-174-SS |      | T-174-A |      | Master    |
|-------|-----|----------|-----|-------|-----|---------|-----|-------|-----|----------|------|---------|------|-----------|
|       |     | A        |     | B     |     | A       |     | B     |     |          |      |         |      |           |
| In.   | mm. | In.      | mm. | In.   | mm. | In.     | mm. | In.   | mm. | Lbs.     | Kg.  | Lbs.    | Kg.  | Ctn. Qty. |
| 1/4   | 8   | x        | x   | x     | x   | 1.88    | 48  | 4.81  | 122 | x        | x    | 1.15    | 0.52 | 50        |
| 3/8   | 10  | x        | x   | x     | x   | 2.06    | 53  | 4.81  | 122 | x        | x    | 1.14    | 0.52 | 50        |
| 1/2   | 15  | 2.38     | 60  | 5.38  | 137 | 2.31    | 59  | 5.38  | 137 | 1.48     | 0.67 | 1.49    | 0.68 | 40        |
| 3/4   | 20  | 2.69     | 68  | 6.31  | 160 | 2.44    | 62  | 6.31  | 160 | 2.23     | 1.01 | 2.23    | 1.01 | 30        |
| 1     | 25  | 3.13     | 79  | 7.56  | 192 | 2.88    | 73  | 7.56  | 192 | 3.37     | 1.53 | 3.37    | 1.53 | 20        |
| 1 1/4 | 32  | 3.44     | 87  | 8.88  | 226 | 3.13    | 79  | 8.75  | 222 | 4.74     | 2.15 | 4.76    | 2.16 | 10        |
| 1 1/2 | 40  | 3.75     | 95  | 10.25 | 260 | 3.38    | 86  | 10.25 | 260 | 6.29     | 2.85 | 6.32    | 2.87 | 10        |
| 2     | 50  | 4.25     | 108 | 12.50 | 318 | 3.88    | 99  | 12.50 | 318 | 10.84    | 4.92 | 10.96   | 4.97 | 6         |

x Not available this size.