

# Lead-Free\* Bronze Gate Valves

**Features:** Silicon Performance Bronze® alloy • screw-in bonnet • non-rising stem

**Approvals:** conforms to MSS SP-139 • solid wedge • NSF/ANSI-61-8 commercial hot 180°F (includes annex F and G) and NSF/ANSI-372

**Size range:** 1/4" - 3"

**Pressure rating:** 300 PSI non-shock cold working pressure

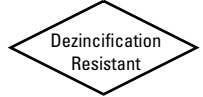
**Maximum pressure / temperature:** 100 PSI at 300° F

Lead-free\* markings:

Double oval in body casting, white handle and blue hang tag



NSF/ANSI 61  
NSF/ANSI 372



## MATERIAL LIST

| PART                    | SPECIFICATION                                               |
|-------------------------|-------------------------------------------------------------|
| 1. Handwheel Nut        | 300 Series Stainless Steel                                  |
| 2. Identification Plate | Aluminum                                                    |
| 3. Handwheel            | Malleable Iron ASTM A47 (T-113)                             |
| 4. Stem                 | ASTM B99 Alloy C65100                                       |
| 5. Packing Nut          | Bronze ASTM B62 or ASTM B584 Alloy C84400 or Brass ASTM B16 |
| 6. Packing Gland        | Bronze ASTM B62 or ASTM B584 Alloy C84400 or Brass ASTM B16 |
| 7. Packing              | Aramid Fibers with Graphite                                 |
| 8. Stuffing Box         | Silicon Bronze ASTM B584 Alloy C87850                       |
| 9. Bonnet               | Silicon Bronze ASTM B584 Alloy C87850                       |
| 10. Body                | Silicon Bronze ASTM B584 Alloy C87850                       |
| 11. Wedge               | Silicon Bronze ASTM B584 Alloy C87850                       |



**T-113-LF**  
Threaded



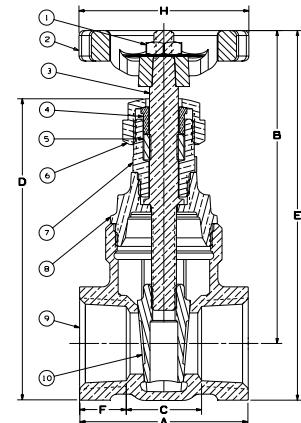
**S-113-LF**  
Solder

## DIMENSIONS—WEIGHTS—QUANTITIES

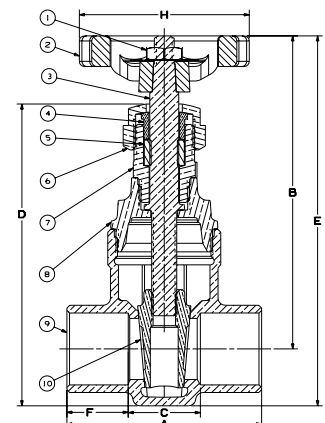
| SIZE    | A           | B         | C       | D         | E         | F       | H        | T-113-LF   | Master   |
|---------|-------------|-----------|---------|-----------|-----------|---------|----------|------------|----------|
| In. mm. | In. mm.     | In. mm.   | In. mm. | In. mm.   | In. mm.   | In. mm. | In. mm.  | Lbs. Kg.   | Ctn Qty. |
| 1/4"    | 8 1.68 43   | 3.44 87   | 0.88 22 | 3.06 78   | 3.95 100  | 0.4 10  | 1.95 50  | 0.70 0.31  | 50       |
| 3/8"    | 10 1.68 43  | 3.44 87   | 0.84 21 | 3.95 100  | 3.95 100  | 0.42 11 | 1.95 50  | 0.67 0.30  | 50       |
| 1/2"    | 15 1.94 49  | 3.66 93   | 0.88 22 | 4.24 108  | 4.24 108  | 0.54 14 | 1.95 50  | 0.78 0.35  | 50       |
| 3/4"    | 20 2.06 52  | 3.94 100  | 0.92 23 | 4.64 118  | 4.64 118  | 0.57 14 | 1.95 50  | 1.00 0.48  | 50       |
| 1"      | 25 2.44 62  | 4.62 117  | 1.04 26 | 5.52 140  | 5.52 140  | 0.7 18  | 2.56 65  | 1.73 0.78  | 30       |
| 1-1/4"  | 32 2.62 67  | 5.19 132  | 1.21 31 | 6.25 159  | 6.25 159  | 0.7 18  | 2.56 65  | 2.28 1.04  | 20       |
| 1-1/2"  | 40 2.88 73  | 6.3 160   | 1.38 35 | 7.5 191   | 7.5 191   | 0.75 19 | 3.55 90  | 3.33 1.51  | 10       |
| 2"      | 50 3.06 78  | 7.09 180  | 1.48 38 | 8.59 218  | 8.59 218  | 0.79 20 | 3.55 90  | 4.68 2.13  | 10       |
| 2-1/2"  | 65 4.12 105 | 8.88 226  | 1.84 47 | 10.69 272 | 10.69 272 | 1.14 29 | 3.55 90  | 9.46 4.29  | 5        |
| 3"      | 80 4.5 114  | 10.24 260 | 2.1 53  | 12.5 318  | 12.5 318  | 1.2 30  | 4.23 107 | 13.70 6.20 | 4        |

| SIZE    | A          | B        | C       | D        | E        | F       | H        | S-113-LF  | Master   |
|---------|------------|----------|---------|----------|----------|---------|----------|-----------|----------|
| In. mm. | In. mm.    | In. mm.  | In. mm. | In. mm.  | In. mm.  | In. mm. | In. mm.  | Lbs. Kg.  | Ctn Qty. |
| 3/8"    | 10 1.44 37 | 3.4 86   | 0.68 17 | 3.06 78  | 3.92 100 | 0.38 10 | 1.95 50  | 0.62 0.28 | 50       |
| 1/2"    | 15 1.76 45 | 3.66 93  | 0.75 19 | 3.26 83  | 4.16 106 | 0.5 13  | 2.08 53  | 0.69 0.29 | 50       |
| 3/4"    | 20 2.38 60 | 3.84 98  | 0.88 22 | 3.7 94   | 4.53 115 | 0.75 19 | 2.08 53  | 0.94 0.43 | 50       |
| 1"      | 25 2.82 72 | 4.66 118 | 1 25    | 4.57 116 | 5.5 140  | 0.91 23 | 2.64 67  | 1.50 0.68 | 30       |
| 1-1/4"  | 32 3.12 79 | 5.01 127 | 1.18 30 | 5.16 131 | 6.05 154 | 0.97 25 | 2.8 71   | 2.14 0.97 | 20       |
| 1-1/2"  | 40 3.42 87 | 6.2 157  | 1.24 31 | 6 152    | 7.37 187 | 1.09 28 | 3.83 97  | 3.01 1.37 | 10       |
| 2"      | 50 4 102   | 7.06 179 | 1.31 33 | 7.24 184 | 8.52 216 | 1.34 34 | 4.69 119 | 4.40 1.99 | 10       |

†No packing gland, packing only in this size.



**T-113-LF**  
NPT x NPT



**S-113-LF**  
C x C

\*Weighted average lead content ≤ 0.25%