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CLASS 150

BRONZE GATE VALVE

Screwed Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



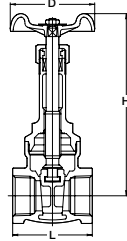
Fig. AK150L

• Threaded end to ASME B1.20.1



Fig. C150L

• Solder joint end to ASME B16.18



Materials

| Parts | Material |
|---------------|------------------------|
| Body | Bronze |
| Bonnet | Bronze |
| Stem | Bronze |
| Disc | Bronze |
| Gland Packing | Aramid Fibers Graphite |

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

| Nominal Size | inch | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | mm |
|-----------------------|------|-----|-----|-----|-------|-------|-----|-------|-----|----|
| | mm | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | |
| L Threaded end to end | | 51 | 56 | 66 | 68 | 74 | 84 | 120 | 140 | |
| L1 Solder | | 49 | 64 | 76 | 82 | 86 | 109 | | | |
| D Height, valve open | | 137 | 157 | 180 | 216 | 257 | 296 | 385 | 432 | |
| D Handwheel diam | | 55 | 70 | 70 | 80 | 90 | 100 | 155 | 155 | |

CLASS 150

BRONZE GATE VALVE

Union Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT or solder joint ends.

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



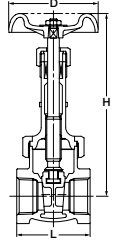
Fig. AK150LU

• Threaded end to ASME B1.20.1



Fig. C150LU

• Solder joint end to ASME B16.18



Materials

| Parts | Material |
|---------------|------------------------------|
| Body | Bronze |
| Bonnet | Bronze |
| Stem | Bronze |
| Disc | Bronze |
| Gland Packing | Flexible graphite & Aluminum |

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

| Nominal Size | inch | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | mm |
|-----------------------|------|-----|-----|-----|-----|-----|-------|-------|-----|----|
| | mm | 15 | 15 | 15 | 20 | 25 | 32 | 40 | 50 | |
| L Threaded end to end | | 45 | 46 | 51 | 56 | 66 | 68 | 74 | 84 | |
| L1 Solder | | | | 49 | 64 | 76 | 82 | 86 | 109 | |
| D Height, valve open | | 108 | 108 | 137 | 157 | 180 | 216 | 257 | 297 | |
| D Handwheel diam | | 50 | 50 | 55 | 70 | 70 | 80 | 90 | 100 | |

CLASS 300

BRONZE GATE VALVE

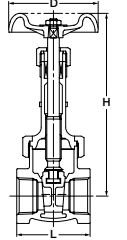
Union Bonnet, Rising Stem, Designed to MSS SP-80 Type 2
 Threaded ends to NPT

W.O.G. non-shock 6.89 MPa (1000 psi), Saturated steam pressure 2.07 MPa (300 psi)



Fig. AK300LU

• Threaded end to ASME B1.20.1



Materials

| Parts | Material |
|---------------|------------------------------|
| Body | Bronze |
| Bonnet | Bronze |
| Stem | Bronze |
| Disc | Copper-nickel alloy |
| Gland Packing | Flexible graphite & Aluminum |

Dimensions

| Nominal Size | inch | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | mm |
|-----------------------|------|-----|-----|-----|-----|-------|-------|-----|----|
| | mm | 10 | 15 | 20 | 25 | 32 | 40 | 50 | |
| L Threaded end to end | | 46 | 51 | 56 | 66 | 74 | 84 | 98 | |
| H Height, valve open | | 125 | 149 | 173 | 194 | 228 | 274 | 313 | |
| D Handwheel diam | | 60 | 70 | 80 | 80 | 100 | 115 | 135 | |