

# BRONZE

## Screwed (PT or NPT)

| Fig No.          | 53  |     |       | 54              |     |       | 55        |     |       | 106           |     |       | 107   |     |     |      |     |    |
|------------------|---|-----|-------|-----------------|-----|-------|-----------|-----|-------|---------------|-----|-------|---|-----|-----|------|-----|----|
| Item             | 125-Gate N.R.S.   |     |       | 125-Swing Check |     |       | 125-Globe |     |       | 125-Gate R.S. |     |       | 400-Ball (Full Bore)  |     |     |      |     |    |
| Material         | ※1 Bronze   |     |       |                 |     |       |           |     |       |               |     |       |   |     |     |      |     |    |
| Class            | 125Lb.  | 10K | 16bar | 125Lb.          | 10K | 16bar | 125Lb.    | 10K | 16bar | 125Lb.        | 10K | 16bar | 400Lb.  |     |     |      |     |    |
| Connection       | NPT   |     |       | PT              |     |       | NPT       |     |       | PT            |     |       | NPT   |     |     | PT   |     |    |
| Standard         | ASME  | JIS | BS    | ASME            | JIS | BS    | ASME      | JIS | BS    | ASME          | JIS | BS    | ASME  | JIS | BS  | ASME | JIS | BS |
| Working Pressure | <ul style="list-style-type: none"> <li>● JIS/1.37MPa(-10~120°C)</li> <li>● BS/16bar(-10~100°C)</li> <li>● ASME/200PSI-WOG(100°F)</li> </ul> |     |       |                 |     |       |           |     |       |               |     |       | <ul style="list-style-type: none"> <li>● 2.75MPa-WOG(38°C)</li> <li>● 0.69MPa-WOG(150°C)</li> </ul> |     |     |      |     |    |
| Appearance       |   |     |       |                 |     |       |           |     |       |               |     |       |   |     |     |      |     |    |
| Dimension        | L   | H   | W     | L               | H   | L     | H(Open)   | W   | L     | H(Open)       | W   | L     | H   | W   |     |      |     |    |
| 1/4 inch         | 8mm   | 43  | 76    | 55              |     | 45    | 75        | 55  | 43    | 113           | 52  |       |   |     |     |      |     |    |
| 3/8              | 10  | 43  | 76    | 55              |     | 45    | 75        | 55  | 43    | 113           | 55  |       |   |     |     |      |     |    |
| 1/2              | 15  | 43  | 77    | 55              | 54  | 36    | 48        | 75  | 55    | 48            | 114 | 55    | 51  | 39  | 86  |      |     |    |
| 3/4              | 20  | 49  | 90    | 63              | 61  | 43    | 56        | 83  | 63    | 56            | 144 | 63    | 60  | 50  | 122 |      |     |    |
| 1                | 25  | 54  | 102   | 63              | 70  | 49    | 65        | 94  | 63    | 62            | 178 | 80    | 73  | 54  | 122 |      |     |    |
| 1 1/4            | 32  | 62  | 114   | 70              | 81  | 55    | 74        | 113 | 70    | 67            | 204 | 80    | 84  | 64  | 133 |      |     |    |
| 1 1/2            | 40  | 65  | 133   | 80              | 91  | 62    | 84        | 125 | 80    | 71            | 231 | 90    | 92  | 69  | 133 |      |     |    |
| 2                | 50  | 74  | 165   | 90              | 109 | 70    | 100       | 137 | 90    | 82            | 294 | 110   | 111   | 77  | 156 |      |     |    |
| 2 1/2            | 65  | 87  | 202   | 110             | 138 | 82    | 119       | 157 | 110   | 95            | 343 | 125   |   |     |     |      |     |    |
| 3                | 80  | 98  | 224   | 125             | 149 | 94    | 136       | 177 | 125   | 103           | 396 | 140   |   |     |     |      |     |    |
| 4                | 100   | 118 | 286   | 140             | 180 | 105   | 170       | 225 | 140   |               |     |       |   |     |     |      |     |    |

## Screwed (PT or NPT)

| Fig No.          | 108   |     |       | 109             |     |       | 110       |     |       | 111           |     |       | 56             |     |       | 74               |     |       |
|------------------|---|-----|-------|-----------------|-----|-------|-----------|-----|-------|---------------|-----|-------|----------------|-----|-------|------------------|-----|-------|
| Item             | 150-Gate N.R.S.   |     |       | 150-Swing Check |     |       | 150-Globe |     |       | 150-Gate R.S. |     |       | 150-Y.Strainer |     |       | 150-Silent Check |     |       |
| Material         | ※1 Bronze   |     |       |                 |     |       |           |     |       |               |     |       |                |     |       |                  |     |       |
| Class            | 150Lb.  | 16K | 25bar | 150Lb.          | 16K | 25bar | 150Lb.    | 16K | 25bar | 150Lb.        | 16K | 25bar | 150Lb.         | 16K | 25bar | 150Lb.           | 16K | 25bar |
| Connection       | NPT   |     |       | PT              |     |       | NPT       |     |       | PT            |     |       | NPT            |     |       | PT               |     |       |
| Standard         | ASME  | JIS | BS    | ASME            | JIS | BS    | ASME      | JIS | BS    | ASME          | JIS | BS    | ASME           | JIS | BS    | ASME             | JIS | BS    |
| Working Pressure | <ul style="list-style-type: none"> <li>● JIS/1.96MPa(-10~120°C)</li> <li>● BS/25bar(-10~100°C)</li> <li>● ASME/300PSI-WOG(100°F)</li> </ul> |     |       |                 |     |       |           |     |       |               |     |       |                |     |       |                  |     |       |
| Appearance       |   |     |       |                 |     |       |           |     |       |               |     |       |                |     |       |                  |     |       |
| Dimension        | L   | H   | W     | L               | H   | H     | H(Open)   | W   | L     | H(Open)       | W   | L     | H              | L   | D     |                  |     |       |
| 1/4 inch         | 8mm   |     |       | 51              | 37  | 44    | 73        | 55  |       |               |     |       |                | 70  | 44    |                  |     |       |
| 3/8              | 10  |     |       | 51              | 37  | 44    | 76        | 55  |       |               |     |       |                |     |       |                  |     |       |
| 1/2              | 15  | 43  | 77    | 52              | 64  | 45    | 53        | 84  | 55    | 48            | 114 | 55    | 80             | 49  | 53    | 15               |     |       |
| 3/4              | 20  | 49  | 90    | 59              | 73  | 53    | 65        | 82  | 63    | 56            | 144 | 63    | 100            | 57  | 59    | 20               |     |       |
| 1                | 25  | 54  | 102   | 59              | 89  | 64    | 77        | 113 | 70    | 62            | 178 | 70    | 115            | 72  | 67    | 25               |     |       |
| 1 1/4            | 32  | 60  | 114   | 69              | 111 | 79    | 85        | 134 | 80    | 67            | 204 | 80    | 135            | 82  | 78    | 32               |     |       |
| 1 1/2            | 40  | 64  | 133   | 75              | 118 | 88    | 100       | 154 | 90    | 71            | 231 | 90    | 160            | 98  | 84    | 40               |     |       |
| 2                | 50  | 71  | 163   | 85              | 140 | 105   | 119       | 187 | 110   | 82            | 294 | 110   | 195            | 121 | 98    | 50               |     |       |
| 2 1/2            | 65  | 87  | 202   | 102             |     |       |           |     |       | 95            | 343 | 125   | 230            | 150 |       |                  |     |       |
| 3                | 80  | 98  | 224   | 119             |     |       |           |     |       | 103           | 396 | 140   | 239            | 180 |       |                  |     |       |
| 4                | 100   |     |       |                 |     |       |           |     |       |               |     |       |                |     |       |                  |     |       |

※1 Bronze Material

| Standard | Designation   |
|----------|---------------|
| ASTM     | C83600        |
| JIS      | CAC406        |
| BS       | EN1982 CC491K |

# BRASS

## Screwed (PT or NPT)

| Fig No.          | 112   |     |       | 113  |     |    | 75   |     |    |      |     |    |
|------------------|---|-----|-------|--|-----|----|--|-----|----|------|-----|----|
| Item             | 125E-Gate N.R.S.  |     |       | 400-Ball (Standard Bore)   |     |    | 600-Ball (Full Bore)   |     |    |      |     |    |
| Material         | ※2 Brass  |     |       |  |     |    |  |     |    |      |     |    |
| Class            | 125Lb.  | 10K | 16bar | 400Lb.   |     |    | 600Lb.   |     |    |      |     |    |
| Connection       | NPT   |     |       | PT   |     |    | NPT  |     |    | PT   |     |    |
| Standard         | ASME  | JIS | BS    | ASME   | JIS | BS | ASME   | JIS | BS | ASME | JIS | BS |
| Working Pressure | <ul style="list-style-type: none"> <li>● JIS/1.37MPa(-10~80°C)</li> <li>● BS/16bar(-10~80°C)</li> <li>● ASME/200PSI-WOG(100°F)</li> </ul> |     |       | <ul style="list-style-type: none"> <li>● 2.75MPa-WOG(38°C)</li> <li>● 0.98MPa-Saturated Steam</li> </ul> |     |    | <ul style="list-style-type: none"> <li>● 4.10MPa-WOG(38°C)</li> <li>● 0.98MPa-Saturated Steam</li> </ul> |     |    |      |     |    |
| Appearance       |   |     |       |  |     |    |  |     |    |      |     |    |
| Dimension        | L   | H   | W     | L  | H   | W  | L  | H   | W  |      |     |    |
| 1/4 inch         | 8mm   |     |       | 39   | 32  | 60 | 43   | 32  | 60 |      |     |    |
| 3/8              | 10  |     |       | 39   | 32  | 60 | 46   | 37  | 80 |      |     |    |
| 1/2              | 15  | 39  | 69    | 54   | 49  | 37 | 80   | 54  | 38 | 80   |     |    |
| 3/4              | 20  | 44  | 72    | 54   | 53  | 40 | 80   | 63  | 47 | 110  |     |    |
| 1                | 25  | 47  | 84    | 54   | 63  | 47 | 110  | 76  | 52 | 110  |     |    |
| 1 1/4            | 32  | 53  | 98    | 61   | 72  | 52 | 110  | 85  | 60 | 130  |     |    |
| 1 1/2            | 40  | 57  | 116   | 77   | 83  | 60 | 130  | 92  | 65 | 130  |     |    |
| 2                | 50  | 61  | 125   | 77   | 92  | 65 | 130  | 108 | 79 | 200  |     |    |
| 2 1/2            | 65  | 71  | 153   | 83   | 117 | 79 | 200  | 131 | 89 | 200  |     |    |
| 3                | 80  | 87  | 186   | 105  | 137 | 89 | 200  | 150 | 98 | 200  |     |    |
| 4                | 100   | 101 | 222   | 130  | 157 | 98 | 200  | 159 | 98 | 200  |     |    |

※2 Brass Material

| Standard | Designation |
|----------|-------------|
| ASTM     | C37700      |
| JIS      | C3771B      |
| BS       | EN12165     |