

2-PIECE FLANGED BALL VALVE

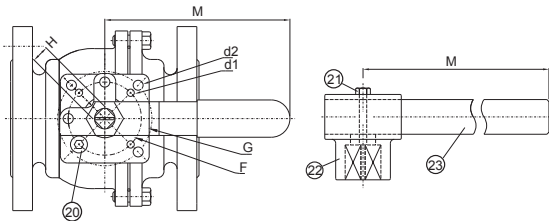
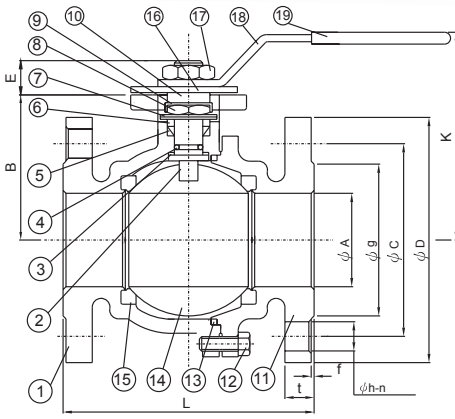
Type 207S



By **Zipson**
Manufacturer of Valves

ANSI150/PN16/JIS10K

SIZE: 1/2"-4"



Specification

- Body & end caps quality investment casting
- Available in Stainless steel or carbon steel
- 100% air tested under water at 80-100 PSI
- Working pressure: Class150/ PN16/ JIS10K
- with ISO 5211 direct mounting pad
- Blow-out proof stem design
- Adjustable stem packing
- Temperature range : -20°F to 450°F

Break-Torque Valve for ANSI150(Nm/at 0 psi)

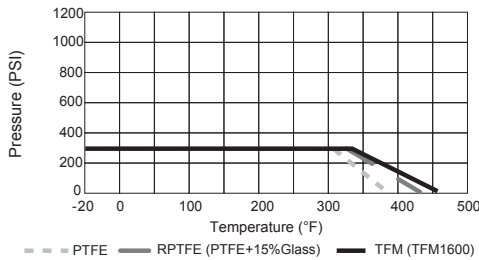
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2-1/2" | 3" | 4" |
|------------|------|------|------|--------|--------|----|--------|-----|-----|
| GREASE | 5.5 | 7.2 | 8.8 | 13 | 20 | 24 | 54 | 62 | 124 |
| NON-GREASE | 7.2 | 9.4 | 13.2 | 18.2 | 30 | 36 | 95 | 132 | 245 |

Standard Material Specifications

| No. | Part Name | Materials | No. | Part Name | Materials |
|-----|---------------|-----------|--|---------------|------------|
| 1 | Body | CF8M | 13 | Gasket | TFM1600 |
| 2 | Stem | SS 316 | 14 | Ball | SS 316 |
| 3 | Thrust Washer | TFM1600 | 15 | Ball Seat | TFM1600 |
| 4 | O-Ring | VITON | 16 | Stopper Plate | SS 304 |
| 5 | Stem Packing | TFM1600 | 17 | Handle Nut | SS 304 |
| 6 | Gland | SS 304 | 18 | Handle | SS 304 |
| 7 | Disk Washer | SS 301 | 19 | Sleeve | PLASTISOL |
| 8 | Stem Nut | SS 304 | 20 | Stop Pin | SS 304 |
| 9 | Nut Stop | SS 304 | 21 | Set Bolt | SS 304 |
| 10 | Washer | SS 304 | 22 | Lever Head | CF8 |
| 11 | Flanged End | CF8M/ WCB | 23 | Pipe Handle | STEEL PIPE |
| 12 | Bolt | SS 304 | Note: The greases ZIPSON use including lubricant & anti-seize greases are both SILICONE-FREE | | |

PRESSURE TEMPERATURE RATINGS

ANSI150 / PN16/ JIS10K



Dimensions (mm)

| Size | A | B | E | H | K | M | F | G | d1 | d2 |
|--------|-----|------|----|----|-----|-----|-----|-----|------|------|
| 1/2" | 15 | 48 | 11 | 9 | 80 | 130 | 36 | 42 | 6 | 6 |
| 3/4" | 20 | 53 | 11 | 9 | 80 | 130 | 36 | 42 | 6 | 6 |
| 1" | 25 | 59 | 14 | 11 | 90 | 165 | 42 | 50 | 6 | 7 |
| 1-1/4" | 32 | 71 | 14 | 11 | 102 | 165 | 42 | 50 | 6 | 7 |
| 1-1/2" | 38 | 76 | 18 | 14 | 110 | 205 | 50 | 70 | 7 | 9.2 |
| 2" | 50 | 85 | 18 | 14 | 120 | 205 | 50 | 70 | 7 | 9.2 |
| 2-1/2" | 65 | 93.5 | 23 | 17 | 140 | 300 | 70 | 102 | 9.2 | 11.4 |
| 3" | 80 | 103 | 23 | 17 | 150 | 340 | 70 | 102 | 9.2 | 11.4 |
| 4" | 100 | 132 | 25 | 22 | 180 | 420 | 102 | 125 | 11.4 | 13.5 |

Dimensions (mm) CLASS150

Dimensions (mm) PN16

Dimensions (mm) JIS 10K

| Size | L | D | C | h | N | t | g | f | W (kg) | Size | L | D | C | h | N | t | g | f | W (kg) | Size | L | D | C | h | N | t | g | f | W (kg) |
|--------|-----|-----|-------|----|---|------|-----|-----|--------|--------|-----|-----|-----|----|---|----|-----|---|--------|--------|-----|-----|-----|----|---|----|-----|-----|--------|
| 1/2" | 108 | 89 | 60.5 | 16 | 4 | 11.5 | 35 | 1.6 | 1.73 | 1/2" | 115 | 95 | 65 | 14 | 4 | 14 | 45 | 2 | 2.13 | 1/2" | 110 | 95 | 70 | 15 | 4 | 12 | 52 | 1.0 | 1.92 |
| 3/4" | 117 | 98 | 70 | 16 | 4 | 11.5 | 43 | 1.6 | 2.13 | 3/4" | 120 | 105 | 75 | 14 | 4 | 16 | 58 | 2 | 2.85 | 3/4" | 120 | 100 | 75 | 15 | 4 | 14 | 58 | 1.0 | 2.46 |
| 1" | 127 | 108 | 79.5 | 16 | 4 | 11.5 | 51 | 1.6 | 2.92 | 1" | 125 | 115 | 85 | 14 | 4 | 16 | 68 | 2 | 3.72 | 1" | 130 | 125 | 90 | 19 | 4 | 14 | 70 | 1.0 | 3.88 |
| 1-1/4" | 140 | 117 | 89 | 16 | 4 | 12.7 | 64 | 1.6 | 4.02 | 1-1/4" | 130 | 140 | 100 | 18 | 4 | 16 | 78 | 2 | 5.32 | 1-1/4" | 140 | 135 | 100 | 19 | 4 | 16 | 80 | 2.0 | 4.74 |
| 1-1/2" | 165 | 127 | 98.5 | 16 | 4 | 14.3 | 73 | 1.6 | 5.90 | 1-1/2" | 140 | 150 | 110 | 18 | 4 | 16 | 88 | 3 | 6.96 | 1-1/2" | 165 | 140 | 105 | 19 | 4 | 16 | 85 | 2.0 | 6.30 |
| 2" | 178 | 152 | 120.5 | 19 | 4 | 15.9 | 92 | 1.6 | 8.72 | 2" | 150 | 165 | 125 | 18 | 4 | 18 | 102 | 3 | 9.68 | 2" | 180 | 155 | 120 | 19 | 4 | 16 | 100 | 2.0 | 8.48 |
| 2-1/2" | 190 | 178 | 139.5 | 19 | 4 | 17.8 | 105 | 1.6 | 13.33 | 2-1/2" | 170 | 185 | 145 | 18 | 4 | 18 | 122 | 3 | 13.49 | 2-1/2" | 190 | 175 | 140 | 19 | 4 | 18 | 120 | 2.0 | 14.33 |
| 3" | 203 | 190 | 152.5 | 19 | 4 | 19.1 | 127 | 1.6 | 17.03 | 3" | 180 | 200 | 160 | 18 | 8 | 20 | 138 | 3 | 17.53 | 3" | 200 | 185 | 150 | 19 | 8 | 18 | 130 | 2.0 | 18.92 |
| 4" | 229 | 229 | 190.5 | 19 | 8 | 24.0 | 157 | 1.6 | 28.98 | 4" | 190 | 220 | 180 | 18 | 8 | 20 | 158 | 3 | 25.62 | 4" | 230 | 210 | 175 | 19 | 8 | 18 | 155 | 2.0 | 34.21 |

