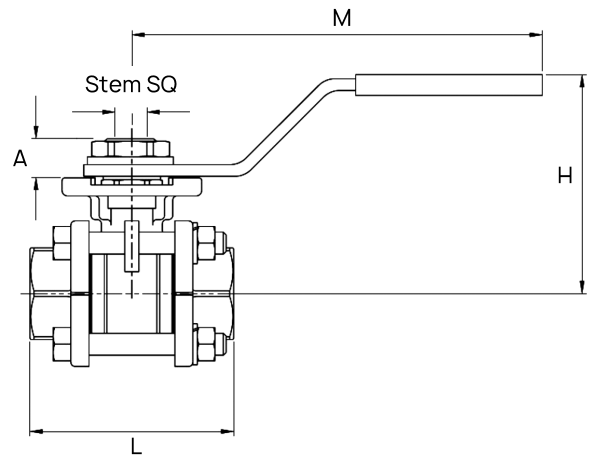


Features

- Full bore 3 Piece ball valve
- 316 Stainless Steel Construction
- 30° V-Control ball
- 15% Glass reinforced PTFE seats
- Ends screwed BSPP female (ISO 7-1)
- ISO5211 actuator mounting pad
- Maximum pressure 63 Bar rated
- Working temperature -25°C to +180C

Operation

Turning the hand lever one quarter-turn (90°) rotates the ball from closed to the open position. A locking device allows for pad locking the valve in either the open or closed position for safety lockout applications. Actuators can direct mount to its standard ISO5211 mounting pad and square output shaft.



Materials

| | |
|--------------|---|
| Body | 316 Stainless Steel 1.4408 Shot blasted |
| Ball | 316 Stainless Steel 1.4408 Polished |
| Seats | 15% Glass Filled PTFE |
| Stem / Seals | 316SS / Viton and PTFE |
| Lever | Stainless Steel 304SS with Vinyl cover |

Manufacturer:

GENEBRE

Dimension Table

| Size | H | L | M | *ISO5211 | *A | *Stem SQ | Torque (Nm) |
|--------|-------|-------|-------|----------|------|----------|-------------|
| 1/4" | 60.0 | 47.6 | 112.0 | F03 | 10.0 | 9.0 | 6.3 |
| 3/8" | 60.0 | 47.6 | 112.0 | F03 | 10.0 | 9.0 | 6.3 |
| 1/2" | 60.0 | 56.0 | 112.0 | F03/F04 | 11.0 | 9.0 | 6.3 |
| 3/4" | 70.0 | 73.0 | 138.0 | F04/F05 | 11.0 | 11.0 | 10.0 |
| 1" | 70.0 | 82.0 | 138.0 | F04/F05 | 11.0 | 11.0 | 12.5 |
| 1 1/4" | 88.0 | 91.0 | 160.0 | F05/F07 | 15.0 | 14.0 | 17.5 |
| 1 1/2" | 94.0 | 104.0 | 205.0 | F05/F07 | 15.0 | 14.0 | 25.0 |
| 2" | 100.0 | 120.0 | 205.0 | F05/F07 | 15.0 | 14.0 | 37.5 |
| 2 1/2" | 150.0 | 155.0 | 330.0 | F07/F10 | 19.0 | 17.0 | 45.0 |
| 3" | 165.0 | 182.0 | 330.0 | F07/F10 | 19.0 | 17.0 | 75.0 |
| 4" | 175.0 | 220.0 | 340.0 | F07/F10 | 19.0 | 17.0 | 119.0 |

* Refers to the stem dimensions & actuator mounting

Torque incl SF



- Configuration of 'V' ball : 30° (60° & 90° options available)
- Installation: see the flow direction arrow in the valve body



'V' Control Ball Valves - Kv Values (Kv = Water flow rate with 1 bar pressure drop across the valve)

| Ref. | DN | 'V' | Valve Opening Angle % | | | | | | | | | |
|----------------|--------------|-----|-----------------------|------|-------|-------|--------|-------|--------|--------|--------|--------|
| | | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |
| 80017-04 (30°) | 15 1/2" | 30° | 0 | 0 | 0.08 | 0.24 | 0.51 | 0.87 | 1.26 | 1.85 | 2.44 | 3.29 |
| 80018-04 (60°) | | 60° | 0 | 0 | 0.12 | 0.39 | 0.83 | 1.33 | 2.16 | 3.27 | 4.68 | 7.18 |
| 80019-04 (90°) | | 90° | 0 | 0 | 0.16 | 0.53 | 0.98 | 1.82 | 2.96 | 4.79 | 8.19 | 10.81 |
| 80017-05 (30°) | 20 3/4" | 30° | 0 | 0.01 | 0.18 | 0.48 | 0.97 | 1.75 | 2.61 | 3.66 | 4.83 | 6.20 |
| 80018-05 (60°) | | 60° | 0 | 0.01 | 0.27 | 0.79 | 1.55 | 2.63 | 4.13 | 6.27 | 9.13 | 13.69 |
| 80019-05 (90°) | | 90° | 0 | 0.02 | 0.33 | 0.98 | 2.01 | 3.44 | 5.53 | 8.92 | 14.74 | 22.29 |
| 80017-06 (30°) | 25 1" | 30° | 0 | 0.13 | 0.47 | 1.00 | 1.75 | 2.67 | 3.86 | 5.58 | 6.55 | 9.25 |
| 80018-06 (60°) | | 60° | 0 | 0.15 | 0.64 | 1.51 | 2.71 | 4.42 | 6.57 | 9.54 | 13.44 | 20.45 |
| 80019-06 (90°) | | 90° | 0 | 0.22 | 1.01 | 2.07 | 3.76 | 5.90 | 8.89 | 14.2 | 23.8 | 34.50 |
| 80017-07 (30°) | 32 1 1/4" | 30° | 0 | 0.25 | 0.78 | 1.65 | 2.87 | 4.40 | 6.29 | 7.94 | 10.63 | 13.75 |
| 80018-07 (60°) | | 60° | 0 | 0.31 | 1.16 | 2.54 | 4.55 | 7.12 | 10.40 | 15.3 | 20.3 | 31.80 |
| 80019-07 (90°) | | 90° | 0 | 0.36 | 1.88 | 3.38 | 5.84 | 9.85 | 14.89 | 21.45 | 32.61 | 52.90 |
| 80017-08 (30°) | 40 1 1/2" | 30° | 0 | 0.32 | 0.95 | 2.15 | 3.42 | 5.79 | 8.65 | 11.12 | 14.58 | 20.05 |
| 80018-08 (60°) | | 60° | 0 | 0.56 | 1.70 | 3.80 | 6.90 | 10.85 | 15.23 | 21.95 | 30.50 | 45.38 |
| 80019-08 (90°) | | 90° | 0 | 0.55 | 2.56 | 4.93 | 8.36 | 14.46 | 21.15 | 30.30 | 51.40 | 95.35 |
| 80017-09 (30°) | 50 2" | 30° | 0 | 0.62 | 2.07 | 4.21 | 6.94 | 10.29 | 14.52 | 19.28 | 24.90 | 31.65 |
| 80018-09 (60°) | | 60° | 0 | 0.89 | 3.22 | 6.43 | 10.91 | 16.69 | 24.68 | 31.53 | 49.61 | 68.42 |
| 80019-09 (90°) | | 90° | 0 | 1.23 | 4.32 | 8.69 | 13.96 | 21.57 | 33.59 | 45.43 | 74.58 | 131.50 |
| 80017-10 (30°) | 65 2 1/2" | 30° | 0 | 1.68 | 3.88 | 7.80 | 12.40 | 19.60 | 26.70 | 38.30 | 49.80 | 61.70 |
| 80018-10 (60°) | | 60° | 0 | 1.58 | 5.01 | 11.60 | 17.70 | 27.20 | 41.20 | 62.80 | 83.70 | 117.20 |
| 80019-10 (90°) | | 90° | 0 | 1.39 | 9.08 | 16.40 | 25.40 | 39.50 | 65.60 | 93.20 | 140.60 | 197.0 |
| 80017-11 (30°) | 80 3" | 30° | 0 | 0.50 | 3.90 | 9.45 | 115.20 | 23.30 | 3.40 | 45.20 | 62.70 | 81.80 |
| 80018-11 (60°) | | 60° | 0 | 1.14 | 10.50 | 12.30 | 21.5 | 42.10 | 64.0 | 78.30 | 105.90 | 148.10 |
| 80019-11 (90°) | | 90° | 0 | 1.63 | 9.10 | 17.30 | 29.90 | 50.40 | 77.40 | 122.60 | 182.90 | 302.70 |
| 80017-12 (30°) | 100 4" | 30° | 0 | 3.10 | 8.30 | 15.20 | 27.30 | 41.80 | 56.70 | 78.50 | 102.50 | 124.80 |
| 80018-12 (60°) | | 60° | 0 | 5.00 | 11.90 | 19.30 | 40.30 | 63.20 | 92.50 | 135.90 | 189.90 | 258.60 |
| 80019-12 (90°) | | 90° | 0 | 5.60 | 18.90 | 33.80 | 57.10 | 86.70 | 132.80 | 204.60 | 312.80 | 507.70 |

