



| NO. | DESCRIPTION | MATERIALS | Q'TY | REMARK |
|-----|-------------------|---------------|------|------------------|
| 1.1 | BODY | A516-60 | 1 | ø1130xø1070x690L |
| 1.2 | O RING | FPM | 2 | ø6 |
| 2 | BALL | A351-CF8 | 1 | ø1050/SPHERE |
| 3 | END PIECE | A216-WCB | 2 | ø1130xø686x432L |
| 4.1 | SEAT RING | PTFE+C | 2 | ø776xø704x50L |
| 4.2 | O RING | FPM | 2 | ø721xø8.4 |
| 4.3 | SUPPORT RING | AISI1020 | 2 | ø775xø686x37L |
| 4.4 | COIL SPRING | SWOSC-V | 64 | ø25x35L |
| 5.1 | STEM | AISI410 | 1 | ø129x477L |
| 5.2 | KEY | AISI1045 | 2 | 32x18x130L |
| 5.3 | SNAP RING | SK5M | 1 | STW110 |
| 5.4 | LOCK NUT | AISI1045+ENP. | 1 | M130x25L |
| 5.5 | O RING | FPM | 3 | P110/ø5.7 |
| 5.6 | THRUST RING | PTFE+C | 5 | ø110xø120x2t |
| 5.7 | DRY BEARING | SPCB+PTFE | 2 | DU110 50 |
| 5.8 | THRUST BEARING | PTFE+C | 1 | ø110xø130x2t |
| 6.1 | TOP FLANGE | AISI1020 | 1 | ø415x40L |
| 6.2 | NECK | AISI1020 | 1 | ø176x225L |
| 6.3 | HEX BOLT | B12.9 | 8 | M30x80L |
| 7.1 | TRUNNION | AISI410 | 1 | ø186xø229.5L |
| 7.2 | BOSS | AISI1020 | 1 | ø186x79.5L |
| 7.3 | SOCKET HEAD SCREW | B10.9 | 1 | M12x35L |
| 7.4 | O RING | FPM | 3 | P100/ø5.7 |
| 7.5 | DRY BEARING | SPCB+PTFE | 1 | DU100 50 |
| 8 | ACTUATOR | - | 1 | |

DIMENSION TABLE

| DN | D1 | D2 | D3 | T | L | H1 | H2 | S | W | ACT'R MODEL |
|------|-----|-------|------|----|------|-------|-------|------|------|----------------|
| 500 | 387 | 660 | 530 | 7 | 910 | 469.5 | 361 | 1120 | 458 | AVA04+KWG04-1S |
| 600 | 489 | 812.8 | 630 | 8 | 1065 | 580 | 441 | 1230 | 587 | AVA04+KWG05-1S |
| 800 | 686 | 1130 | 820 | 8 | 1524 | 715 | 619.5 | 1370 | 686 | AVA05+KWG06-1S |
| 1000 | 874 | 1415 | 1020 | 10 | 1950 | 955 | 772 | 1470 | 881 | AVA06+KWG07-1S |
| 1200 | 976 | 1630 | 1220 | 12 | 2250 | 1106 | 900 | 1560 | 1070 | AVA07+KWG09-1S |

* DESIGN DATA

- 1) DESIGN PRESS : PN16, PN25
- 2) DESIGN TEMP. : -20~200 °C
- 3) HYDRO SHELL TEST : DP * 1.5
- 4) HYDRO SEAT TEST : DP * 1.1

| DESIGNED by | CHECKED by | APPROVED by | SCALE | CLIENT | |
|-------------|------------|-------------|-------|---|---------|
| W.K Lee | | | 1 / 1 | TITLE DN400~DN1400 - PN16/PN25 BUTT WELDING END REDUCED PORT BALL VALVE | |
| | | | UNIT | | |
| 07. 8. 28 | 07. | 07. | mm | | |
| | | | | DRAWING No. | REV No. |
| | | | | 3B1-R11800-025-00-A | 0 |