

# FORGED STEEL OR STAINLESS STEEL Y-PATTERN LIFT CHECK VALVE BOLTED COVER DESIGN

## DESIGN DESCRIPTION:

- Design: BS5352, MSS SP-118;
- Manufacture: BS5352, MSS SP-118;
- Socket Welding: ANSI B16.11;
- Thread: ANSI B1.20.1;
- Test: API598;
- Bolted Cover;
- Y-Pattern, Lift Type, Threaded or Socket Welding Ends;
- Material and Working Temp.:
  - ◆ A105: -29 °C-420 °C(-20 °F-822 °F)
  - ◆ LF2: -46 °C-345 °C(-50 °F-653 °F)
  - ◆ F304: -196 °C-649 °C(-320 °F-1200 °F)
  - ◆ F316: -196 °C-816 °C(-320 °F-1500 °F)
  - ◆ F11/F22: -29 °C-595 °C(-20 °F-1100 °F)
  - ◆ F5: -29 °C-649 °C(-20 °F-1200 °F)

## PARTS AND MATERIAL:

| PARTS NAME | MATERIALS                          |
|------------|------------------------------------|
| CAP        | ASTM A105/F304/F316/F304L/F316L    |
| GASKET     | GRAPHITE+304/GRAPHITE+316          |
| BODY       | ASTM A105/F304/F316/F304L/F316L    |
| SEAT       | 13CR/SS304/SS316/SS304L/SS613L     |
| DISC/BALL  | ASTM A182 F6/F304/F316/F304L/F316L |
| SPRING     | SS304/SS316/SS304L/SS613L          |
| BOLT       | ASTM A194 2H/A194 8/A194 8M        |

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

## DIMENSIONS LIST(UNIT:MM):

| DN   |        | 15   | 20   | 25  | 32     | 40     | 50  |
|------|--------|------|------|-----|--------|--------|-----|
| SIZE |        | 1/2" | 3/4" | 1"  | 1-1/4" | 1-1/2" | 2"  |
| d    | CL2500 | 11   | 14   | 19  | 25     | 28     | 35  |
|      | CL4500 | 11   | 11   | 15  | 20     | 26     | 28  |
| L    | CL2500 | 186  | 186  | 186 | 232    | 232    | 310 |
|      | CL4500 | 200  | 200  | 200 | 250    | 250    | 330 |
| H    | CL2500 | 233  | 233  | 233 | 256    | 256    | 330 |
|      | CL4500 | 140  | 140  | 140 | 160    | 160    | 180 |

Remark: Our design can be suitable for all standard (BS, DIN, ANSI, JIS standard etc.)

✧ We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency.

