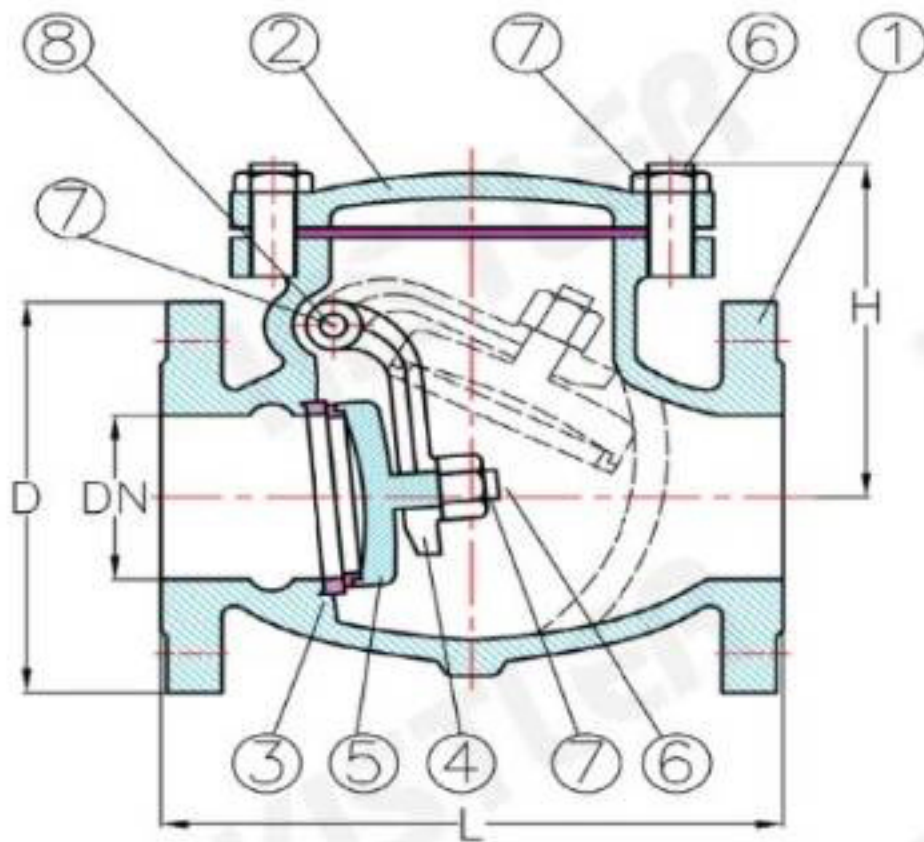




**Fig. SCV-601 (ANSI150)**  
**SCV-602 (JIS10K)**  
**SCV-603 (PN10)**  
**SCV-604 (PN16)**



### SPECIFICATION

- Designed and Manufacture : JIS B2031.
- Face to Face dimensions :  
ASME B16.10, JIS B2002.
- Pipe flange and flange ends :  
ASME B16.1, JIS B2210.

### FEATURE AND APPLICATION

1. Swing type design.
2. Prevent reverse flow automatically designed.
3. Flange end connection.
4. For General and Industrial Service.
5. Water, Oil, Gas and Steam.

### MATERIALS

| NO. | NAME OF PARTS  | SPECIFICATION                          |
|-----|----------------|----------------------------------------|
| 1   | Body           | Cast Iron (A126, FC200, GG25)          |
| 2   | Bonnet         | Cast Iron (A126, FC200, GG25)          |
| 3   | Seat seal ring | Cast Bronze (B62) , SUS304 (CF8,SCS13) |
| 4   | Arm            | Ductile Iron (A395, FCD450, GGG50)     |
| 5   | Disc           | Ductile Iron (A395, FCD450, GGG50)     |
| 6   | Bolt           | Carbon Steel (SS400)                   |
| 7   | Nut            | Carbon Steel (SS400)                   |
| 8   | Pin            | SUS304 (CF8, SCS13)                    |

### PERFORMANCE

| Application     | Max.Working Pressure & Temperature | Testing Pressure               |
|-----------------|------------------------------------|--------------------------------|
| Water & Oil     | 200 psi. (14 bar) 120°C            | - Hydrostatic shell test 25bar |
| Gas             | 100 psi. ( 7 bar) 120°C            | - Hydrostatic seat test 15bar  |
| Saturated Steam | 70 psi. ( 5 bar) 120°C             | - Air test 6 bar               |

### DIMENSIONS

Unit : mm.

| SIZE<br>inch. | H   | L      |        |      |      | JIS10K |     |    | ANSI150 |     |    | PN10 |     |    | PN16 |     |    |
|---------------|-----|--------|--------|------|------|--------|-----|----|---------|-----|----|------|-----|----|------|-----|----|
|               |     | JIS10K | ANS150 | PN10 | PN16 | D      | C   | N  | D       | C   | N  | D    | C   | N  | D    | C   | N  |
| 2"            | 127 | 203    | 203    | 203  | 203  | 155    | 120 | 4  | 152     | 121 | 4  | 165  | 125 | 4  | 165  | 125 | 4  |
| 2.1/2"        | 151 | 216    | 216    | 216  | 216  | 175    | 140 | 4  | 178     | 140 | 4  | 185  | 145 | 4  | 185  | 145 | 4  |
| 3"            | 165 | 241    | 241    | 241  | 241  | 185    | 150 | 8  | 191     | 152 | 4  | 200  | 160 | 8  | 200  | 160 | 8  |
| 4"            | 178 | 292    | 292    | 292  | 292  | 210    | 175 | 8  | 229     | 191 | 8  | 220  | 180 | 8  | 220  | 180 | 8  |
| 5"            | 205 | 356    | 330    | 356  | 356  | 250    | 210 | 8  | 254     | 216 | 8  | 250  | 210 | 8  | 250  | 210 | 8  |
| 6"            | 221 | 410    | 410    | 410  | 410  | 280    | 240 | 8  | 279     | 241 | 8  | 285  | 240 | 8  | 285  | 240 | 8  |
| 8"            | 249 | 495    | 495    | 495  | 495  | 330    | 290 | 12 | 343     | 299 | 8  | 340  | 295 | 8  | 340  | 295 | 12 |
| 10"           | 306 | 622    | 622    | 622  | 622  | 400    | 355 | 12 | 406     | 362 | 12 | 395  | 350 | 12 | 405  | 355 | 12 |
| 12"           | 405 | 698    | 698    | 698  | 698  | 445    | 400 | 16 | 483     | 432 | 12 | 445  | 400 | 12 | 460  | 410 | 12 |