

# SPECIFICATIONS



## A. Specification & Advantage.

### 1. Compact Wafer Design.

Extremely light weight & economical compared with traditional flange type.

### 2. Prevention of Water Hammer.

The sensitive spring incorporated in the valve close the valve plate before reverse flow occurs preventing water hammer and giving complete pipe line protection even in high head installation.

### 3. Complete Freedom of Installation

Space saving design simplifies installation.

Futhermore, TC Valve' s duo check valve can be installed in any position and any angle allowing rationalized piping layout.

### 4. Long Service Life

### 5. Smooth Operation.

Teflon bearing minimize friction for smooth valve plate operation.

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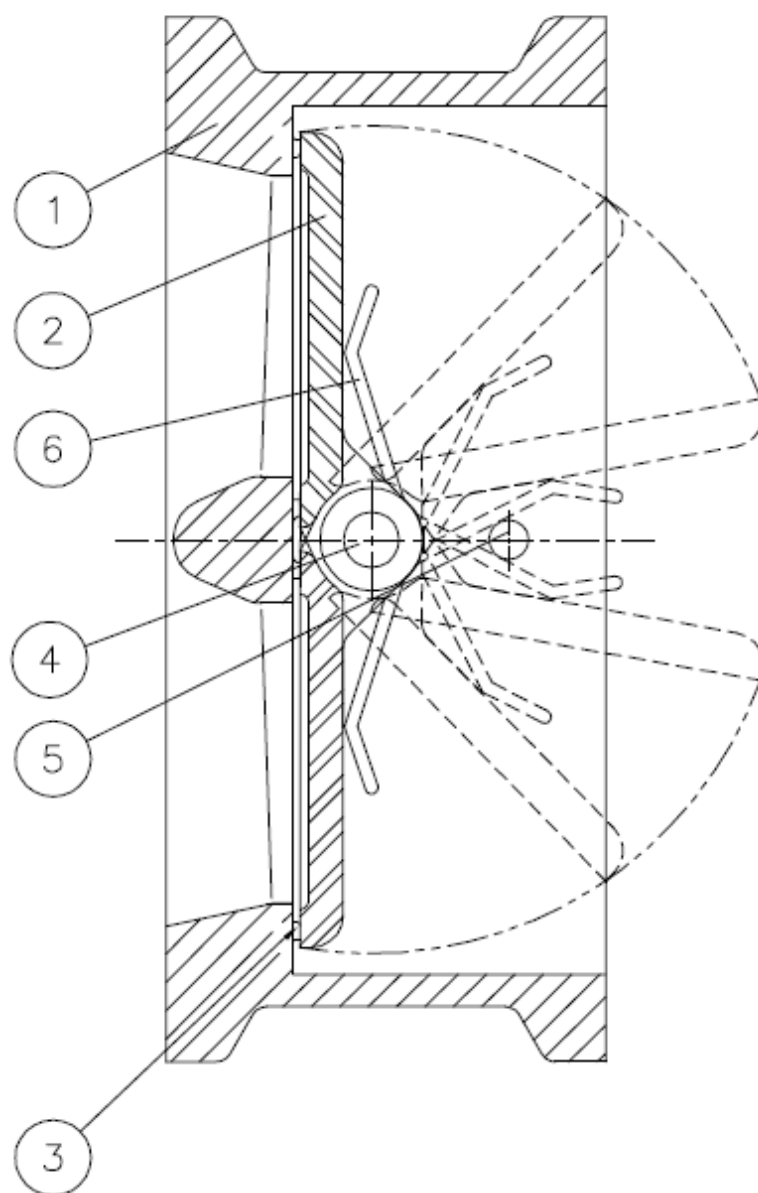
### B. Design Feature

- 1.Body : One piece body casting for maximum corrosion resistance
- 2.Disc ; Dual plate design for light weight , small size & strength
- 3.Spring ; Patented spring action closes each plate independently Long leg spring action eliminate seat scrubbing patented hinge sleeve
- 4.Test ; according to API 598

### C. Available Material.

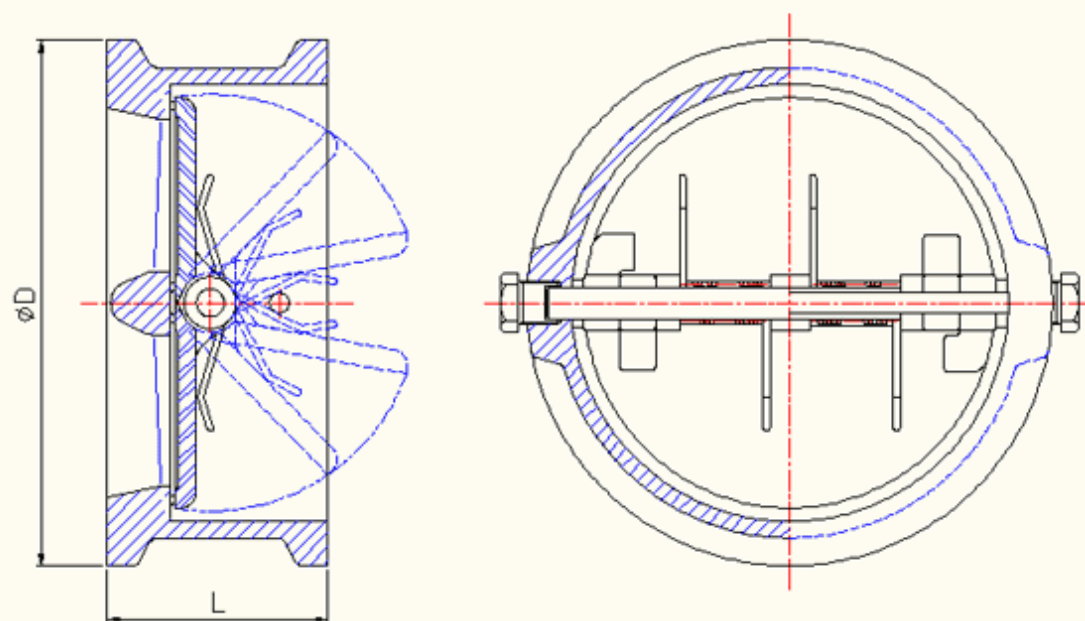
- 1.Body : Cast Iron, Ductile Iron, Cast steel, Stainless Steel
- 2.Disc : Ductile Iron + Cr plated , CF 8, CF 8M, Al- Bronze
- 3.Seat : EPDM, NBR, Viton
- 4.Spring: SS316, Inconel 625 , Monel.

## FEATURES



|   |             |
|---|-------------|
| 1 | BODY        |
| 2 | DISC        |
| 3 | SEAT        |
| 4 | HINGE PIN   |
| 5 | STOPPER PIN |
| 6 | SPRING      |

# FEATURES



| NOMINAL<br>DIAMETER | L   | ØD     |         |      |      |           |         |
|---------------------|-----|--------|---------|------|------|-----------|---------|
|                     |     | JIS 5K | JIS 10K | PN10 | PN16 | ANSI 150# | TABLE E |
| 50A(2")             | 43  | 90     | 101     | 106  | 106  | 101       | 96      |
| 65A(2 1/2")         | 46  | 115    | 121     | 126  | 126  | 120       | 109     |
| 80A(3")             | 64  | 126    | 131     | 141  | 141  | 133       | 128     |
| 100A(4")            | 64  | 146    | 156     | 161  | 161  | 171       | 160     |
| 125A(5")            | 70  | 181    | 187     | 191  | 191  | 194       | 192     |
| 150A(6")            | 76  | 211    | 217     | 221  | 217  | 219       | 213     |
| 200A(8")            | 89  | 257    | 267     | 272  | 272  | 276       | 270     |
| 250A(10")           | 114 | 322    | 330     | 327  | 328  | 337       | 334     |
| 300A(12")           | 114 | 367    | 375     | 377  | 383  | 406       | 380     |
| 350A(14")           | 127 | 410    | 420     | 437  | 443  | 447       | 444     |
| 400A(16")           | 140 | 470    | 483     | 488  | 495  | 510       | 495     |
| 450A(18")           | 152 | 530    | 538     | 538  | 555  | 546       | 558     |
| 500A(20")           | 152 | 580    | 593     | 593  | 617  | 603       | 615     |
| 600A(24")           | 178 | 688    | 697     | 695  | 734  | 714       | 723     |