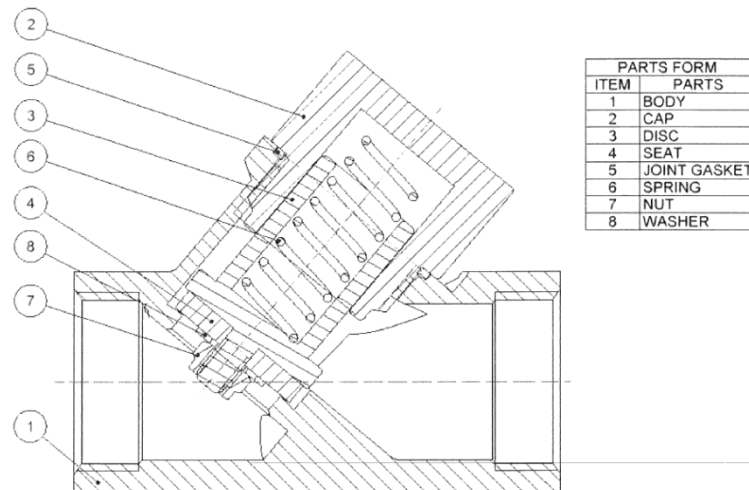


## Y Type Check Valve Manual

### The structure of Y TYPE CHECK VALVE



### Summary

Y TYPE CHECK VALVE is a kind of automatic valves that depend on pressure of the media to open and close. The valve will open when the media flow in clockwise; the valve will close when the media flow backwards due to the pressure of the media flow and the function of spring. The main function of this kind of valves is to prevent the media flow backwards even prevent the leakage.

### 1. Direction:

The arrowhead of the body indicates the direction of the fluid media.

The maintenance when it works

### 1. The leakage in the joint between the BODY and BONNET

Reason:

1 ( BODY ) 2 ( CAP ) 5 ( JOINT GASKET )

After it works a period, the pre-tightening force of joint between 1(BODY) and 2(CAP) gets less tight, as a result the pressure on 5(JOINT GASKET) reduces, so it leaks.

Method:

2 ( CAP ) 5 ( JOINT GASKET )

Use proper spanner to make 2(CAP) tighter, and then the oppression of 5 (JOINT GASKET) increases, so that it will get airtight better and no leakage.

### 2. The media flow backwards

Reason:

3 ( DISC ) 2 ( CAP )

After using for a period or some impurities accumulate between 3(DISC) and 2(CAP), the valve could not close fluently. It also leads the leakage.

Method:

2(CAP); 2(CAP)

Use proper spanner to disassemble 2(CAP) so that the granular impurities and other feculences can be discharged from the inner part of the valve. Pre-tightening 2 (CAP) after cleaning the inner part. Then the valve will works fluently as before and also prevent the media flow backwards.

### Maintenance

When the product is used for a period, it should be mended if it still leaks after having been repaired as the above method.

A. The leakage in the joint between the BODY and BONNET

5 (JOINT GASKET)

Method: Changes the 5 (GASKET)

A-1 Disassembly

● 2 (CAP)

Use proper spanner to disassemble 2(CAP)

● 5 (JOINT GASKET)

Extract the 5 (JOINT GASKET)

A-2 Installation

● 5 (JOINT GASKET) 2 (CAP)

Put the new 5 (JOINT GASKET) into 2 (CAP) smoothly.

● 2 (CAP) 1 (BODY) 2 (CAP)

Assemble 2 (CAP) on 1 (BODY) and use proper spanner to make 2 (CAP) tight.

B. The media flow backwards

4 (SEAT)

4 (SEAT)

#### B-1 Disassembly

● 2 (CAP)

Use proper spanner to disassemble 2(CAP)

● 6 (SPRING) 3 (DISC)

Extract 6 (SPRING) and 3 (DISC)

● 7 (NUT)

Use proper spanner to disassemble 7 (NUT)

● 8 (WASHER) 4 (SEAT)

Extract 8 (WASHER) in order and change 4 (SEAT)

#### B-2 Installation

● 4 (SEAT) 3 (DISC)

Put the new 4(SEAT) into the front part of screw thread of 3 (DISC) smoothly.

● 8 (WASHER) 7 (NUT) 7 (NUT)

Instal the new 8 (WASHER) and 7 (NUT) in order and use proper spanner to lock 7 (NUT)

● 6 (SPRING) 3 (DISC) 2 (CAP) 2 (CAP) 1 (BODY) 2 (CAP)

Put 6 (SPRING) and 3 (DISC) into 2 (CAP) in order and lock 2 (CAP) into 1 (BODY) . Use proper spanner to disassemble 2 (CAP)

#### Leakage Check

After repaired, it should be checked again, if there is still leakage, then should mend it in the methods of Part (二) The maintenance when it work.

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