

## Check Valve Technical Specification

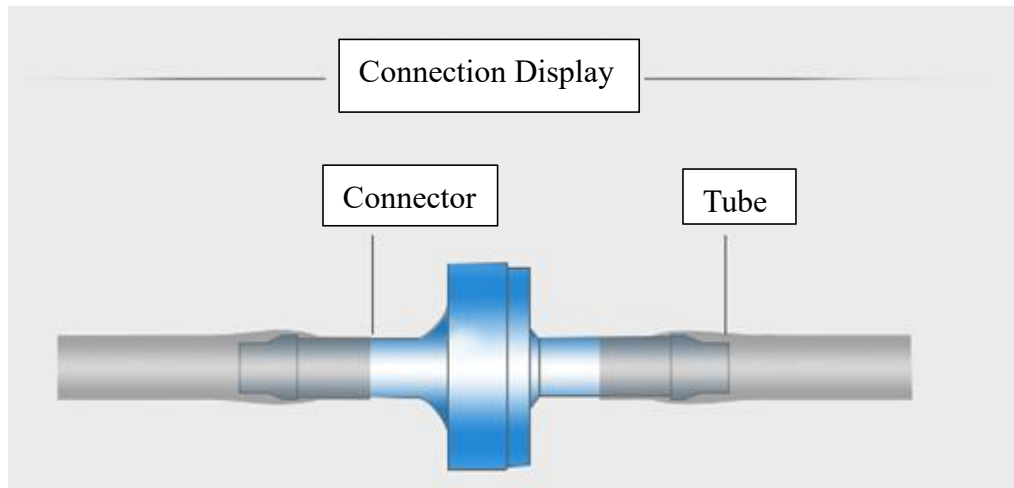
### Product Introduction

Product name: check valve

Material: PP/PVDF/Aluminium Alloy with TFM

Function: Connection hose - to prevent gas or liquid backflow.

Inner diameter of connectable hose: 0.8-12.7mm



## Product Specification

### Diaphragm Check Valve

- Opening pressure:  $<2\text{Kpa}$  Back pressure:  $>300\text{Kpa}$
- Simple structure, strong joints (heated by ultrasonic vibration, joined together after melting)
- Used in fluid systems or gas systems to prevent reverse flow

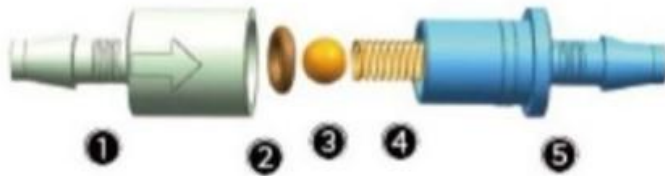


- ① Inlet port
- ② Diaphragm
- ③ Outlet port

| Dimension (mm) | Model No.         | D1   | D2    | D3    | L     |
|----------------|-------------------|------|-------|-------|-------|
|                | DXF/G-19          | 3.31 | 4.47  | 19.4  | 33.71 |
|                | DXF/G-16          | 4.46 | 6.02  | 19.34 | 43.3  |
|                | DXF/G-15 (25)     | 6.19 | 7.54  | 19.2  | 39.13 |
|                | DXF/G-17 (24, 26) | 7.54 | 9.28  | 19.16 | 39.85 |
|                | DXF/G-18 (35)     | 7.6  | 10.02 | 18.8  | 44.2  |

## Spring Check Valve

- Opening pressure: <2Kpa Back pressure:>300Kpa
- Used in fluid systems or gas systems to prevent reverse flow



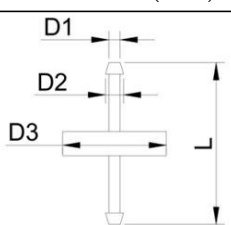
- ① Inlet port
- ② Sealing ring
- ③ Steel ball
- ④ Spring
- ⑤ Outlet port

| Dimension (mm) | Model No.         | D1    | D2   | D3    | L     |
|----------------|-------------------|-------|------|-------|-------|
|                | DXF/T-13          | 1.64  | 2.61 | 14.97 | 23.22 |
|                | DXF/T-14          | 2.32  | 2.9  | 15.09 | 23.03 |
|                | DXF/T-19          | 3.3   | 4.47 | 19.66 | 33.66 |
|                | DXF/T-16          | 4.8   | 6.53 | 19.34 | 37.8  |
|                | DXF/T-15 (25)     | 5.6   | 7    | 16.47 | 44.4  |
|                | DXF/T-17 (24, 26) | 8     | 9.88 | 18.45 | 40    |
|                | DXF/T-18 (35)     | 10    | 11.1 | 20.48 | 57.62 |
|                | DXF/T-36 (73)     | 12.52 | 13.5 | 21.97 | 62.93 |

## PVDF Check Valve

| Dimension (mm) | Model No. | D1   | D2    | D3    | L     |
|----------------|-----------|------|-------|-------|-------|
|                | DXF/P-19  | 3.28 | 4.47  | 19.2  | 31.1  |
|                | DXF/P-16  | 4.41 | 6     | 19.1  | 43.4  |
|                | DXF/P-25  | 6.02 | 7.54  | 19.2  | 39.37 |
|                | DXF/P-17  | 7.3  | 10.48 | 19.12 | 41.39 |

**Aluminium Alloy with TFM:**

| Dimension (mm)                                                                    | Model No. | D1   | D2 | D3   | L     |
|-----------------------------------------------------------------------------------|-----------|------|----|------|-------|
|  | DXF/J-82  | 12.5 | 15 | 21.7 | 60.25 |

**Selection table:Diagram check valve (no spring)**

| Model No.       | Inlet Port | Tube ID | Body Material | Diagram Material |
|-----------------|------------|---------|---------------|------------------|
| DXF/G-19        | 3.3mm      | 2.4mm   | PP            | Silica gel       |
| DXF/ P -19      | 3.28mm     |         | PVDF          |                  |
| DXF/G-16        | 4.8mm      | 3.1mm   | PP            |                  |
| DXF/ P -16      | 4.41mm     |         | PVDF          |                  |
| DXF/G-15(25)    | 5.6mm      | 4.8mm   | PP            |                  |
| DXF/ P -25      | 6.02mm     |         | PVDF          |                  |
| DXF/G-17(24,26) | 8mm        | 6.4mm   | PP            |                  |
| DXF/P-17        | 7.3mm      |         | PVDF          |                  |
| DXF/G-18(35)    | 10mm       | 9.6mm   | PP            |                  |

**Selection table:Spring check valve**

| <b>Model No.</b> | <b>Inlet Port</b> | <b>Tubing Size</b> | <b>Body Material</b> | <b>Sealing Ring Material</b> | <b>Spring Steel Ball Material</b> |
|------------------|-------------------|--------------------|----------------------|------------------------------|-----------------------------------|
| DXF/T-13         | 1.64              | 0.8-2.4mm          | PP                   | Rubber                       | 316                               |
| DXF/T-14         | 2.32              | 0.8-2.4mm          | PP                   |                              |                                   |
| DXF/T-19         | 3.3mm             | 2.4mm              | PP                   |                              |                                   |
| DXF/P-19         | 3.28mm            |                    | PVDF                 |                              |                                   |
| DXF/T-16         | 4.8mm             | 3.1mm              | PP                   |                              |                                   |
| DXF/P-16         | 4.41mm            |                    | PVDF                 |                              |                                   |
| DXF/T-15(25)     | 5.6mm             | 4.8mm              | PP                   |                              |                                   |
| DXF/P-25         | 6.02mm            |                    | PVDF                 |                              |                                   |
| DXF/T-17(24,26)  | 8mm               | 6.4mm              | PP                   |                              |                                   |
| DXF/P-17         | 7.3mm             |                    | PVDF                 |                              |                                   |
| DXF/T-18(35)     | 10mm              | 7.9mm              | PP                   |                              |                                   |
| DXF/T-36(73)     | 12.52mm           | 9.6mm              | PP                   |                              |                                   |