

Disposable Check Valve for Medical Market

PATENTED



Features

- Resin/ Rubber for Medical use (polycarbonate / Silicone rubber)
- Assembled in a Clean room in Japan.
- Tube connection (Recommended Inside diameter: $\phi 2.5\text{mm}$)
- Compact (Outside diameter $\phi 11\text{mm}$ \times Length: 23.1mm)

Specifications (tentative)

- Opening Pressure: 2kPa (after priming wash)
- Min. closing differential pressure: 15kPa (water)
- Pressure resistance: 150kPa ~
- Flow rate: 550m³/min (100 kPa)

* Standard: No sterilization

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Criteria for Determining the Stated Specifications

● Opening pressure

Water and air are applied in the forward direction at 2 kPa to verify valve opening. The measurement is conducted after priming the water

● Min. closing differential pressure (JIS T 3211 5.16 Standard)

After priming, we apply pressure from the reverse direction in increments of 5 kPa, ranging from 15 kPa to 150 kPa. We visually confirm that there is no continuous backflow during a 15-second observation period..

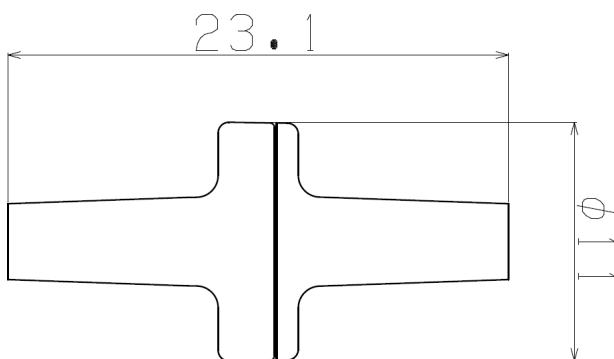
● Pressure resistance (JIS T 3248 5.5.1 Standard)

We immerse the entire check valve in a container filled with water at $37\pm 1^{\circ}\text{C}$. From the reverse direction, we apply an air pressure of 150 kPa for 10 minutes and confirm that there are no continuous air bubbles generated.

● Flow rage

Random sample	1	2	3	4	5	6	7	8	9	10	Ave.
Water[ml/min]	600	610	590	600	610	595	610	580	615	590	600

Note) Inner diameter $\phi 2.5\text{mm}$ and inlet pressure 100kPa



< Contact >



FUJIKURA COMPOSITES

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Founded: 1901

Sales: \$281 million US dollar (2023 March, consolidated)

ISO certified: 9001, 14001, 13485