Check Valve for Medical Market

FUJIKURA COMPOSITES

Features

- Resin/ Rubber for Medical use (polycarbonate / Silicone rubber)
- Assembled in a Clean room in Japan.
- Tube connection (Recommended Inside diameter: Φ2.5mm)
- Compact (Outside diameter Φ11mm × Length: 23.1mm)

Specifications (tentative)

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

Note) Standard: No sterilization

PATENTED

We can develop
“Resin + Rubber” Components based on your request.

【Evaluation method and results】

● Opening valve

Water and air are applied from the forward direction at 2kPa, and it is confirmed that the valve opened. (after priming wash)

● Check valve (JIS T 3211 5.16 Standard)

After priming, pressure from 15 kPa to 150 kPa are applied from the check direction in increments of 5 kPa, and after observed for 15 seconds, it is confirmed that there is no continuous backflow.

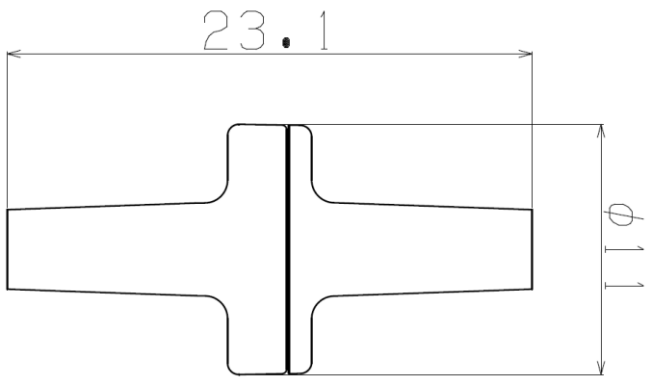
● Pressure resistance (JIS T 3248 5.5.1 Standard)

The check valves are submerged in a container filled with water at 37±1℃, and air pressure of 150kPa is applied from the check direction for 10 minutes. It is confirmed that no continuous bubbles are 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

*Inside diameter ϕ2.5mm and inlet pressure 100kPa



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Founded: 1901
Sales: $281 million US dollar (2023 March, consolidated)
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