Check Your Quality

In the biopharm industry, the consequences of failure can be dangerous and expensive. You need quality products that reduce risk with performance you can count on. Nordson MEDICAL now offers a reliable check valve. Our patented check valve design features a barb for a secure connection, and our normally closed pathway means you only get flow when you want it. Our biopharm-compatible materials meet USP Class VI and ISO 10993 criteria, making them the valves of choice for your applications. Now you can do even more in pharmaceutical development. Nordson MEDICAL’s bioprocessing check valves control flow, restrict siphoning and backflow, and prevent contamination. In sparging applications, our check valves allow bubbles to flow from the bottom of a tank to the top, encouraging cell growth. The anti-siphon features are ideal for drug delivery, they hold pressure in certain applications like balloon filling, and they support sensor protection.

Features and Benefits

- Designed to prevent backflow
- Biopharma-grade materials meet USP Class VI & ISO 10993 criteria
- No animal derivatives
- Barbs that work with tube clamps
- Normally closed valve for optimum flow control
- Clean room manufacturing
- Flow orientation by design

Specifications

- **Materials:**
  - Housing: Polypropylene
  - Valve: Platinum-Cured Silicone
- **Barbs:**
  - 1/4” 600 Series barbs on inlet & outlet
- **Sterilization:**
  - Gamma radiation stable & EtO compatible
- **Opening Pressure:**
  - 0.3 psi
- **Burst pressure:**
  - 60 psi
# Single-Configuration Check Valves

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Image</th>
<th>Tubing ID</th>
<th>Cracking Pressure</th>
<th>Max Back Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCV65SU50C050-001</td>
<td><img src="image" alt="Part Image" /></td>
<td>1/4&quot; (6.4 mm)</td>
<td>0.5 psi ± 0.3 psi (34.5 mb ± 20.7 mb)</td>
<td>45 psi (3.1 bar)</td>
<td>Hydraulic flow rate at a pressure of 10 psi; ≥ 1.75 l/min</td>
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<td></td>
<td>Air flow rate at a pressure of 10 psi; ≥ 100 l/min</td>
</tr>
</tbody>
</table>

MAR-Bio-Check-Valves-DS-01