Objective
The objective of the test was to determine the highest and lowest temperatures achievable in a double jacketed 35 liter glass reactor (QVF).

Test Conditions
JULABO unit
FP55-SL (400 V / 3 ph / 50 Hz)
Application
35 liter double jacketed glass reactor by QVF
Ambient temperature
21 °C
Bath fluid
Thermal H5
Fluid in the reactor
Thermal H5
Specific Settings
External Temperature control via Pt100 sensor
Remote Control of the FP55-SL via PC and EasyTemp
Professional

Test Results
<table>
<thead>
<tr>
<th>TEMPERATURE RANGE</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat-up-time</td>
<td>-43 °C ... +92 °C</td>
</tr>
<tr>
<td>Cool-down-time</td>
<td>+92 °C ... +20 °C</td>
</tr>
</tbody>
</table>

The lowest temperature reached inside the reactor was -43.63 °C
The highest temperature reached inside the reactor was +92.40 °C