Objective
This case study tests the temperature stability of a JULABO PRESTO® W91tt with a 100 liters glass reactor. The W91tt is connected to the reactor via two 2.0 m metal tubings. The W91tt was set to a set point of +20 °C.

Test Conditions
JULABO unit: JULABO PRESTO® W91tt
Cooling power:
- +20 °C | 11.0 kW
- 0 °C | 10.0 kW
- -20 °C | 9.5 kW
Heating capacity: 36 kW
Band limit: ohne
Flow pressure: 0.45 bar
Bath fluid: JULABO Thermal HL80
Reactor: 100 liters glass reactor (Büchiglas) filled with 100 liters Thermal HL80
Control: External (ICC)

Test Results
See chart on back page: The W91tt heats up to +20 °C. After reaching the temperature of +20 °C, the temperature within the reactor fluctuated by ±0.01 K max.

Environment
Room temperature: +20 °C
Humidity: 45 %
Voltage: 3 x 400 V / 50 Hz

Tip
You can also use the robust Pt100 with PTFE coating.

More tips on back page >>
**Tip**
Make use of the option to regulate the pump pressure. You can define the desired pressure in the PRESTO® settings.

**Tip**
The Ethernet interface permits full access to all operational functions of the PRESTO®.