Objective
This case study tests the temperature stability of a JULABO PRESTO® W92tt with a 100 liters glass reactor. The W92tt is connected to the reactor via two 2.0 m metal tubings. The W92tt was set to a set point of -50 °C.

Test Conditions
JULABO unit JULABO PRESTO® W92tt
Cooling power +20 °C | 19.0 kW
0 °C | 15.5 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 W92tt cools down the reactor to -50 °C. After reaching the temperature of -50 °C, the temperature within the reactor fluctuated by ±0.02 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®.