Objective
This case study tests the cooling power of 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 is programmed to heat up from -50 °C to +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: without
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 the reactor from -50 °C to +20 °C in 2 h 55 min. +20 °C are hit without overshoot.

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®.