Objective
This case study tests the cooling power of JULABO PRESTO® A80 with a 20 liters glass reactor. The A80 is connected to the reactor via two 2.0 m metal tubings. The A80 is programmed to cool down from +100 °C to +50 °C.

Test Conditions
JULABO unit
JULABO PRESTO® A80
Cooling power
+20 °C  1.2 kW
0 °C  1.2 kW
-20 °C  1.1 kW
Heating capacity  1.8 kW
Band limit  No
Flow pressure  0.40 bar
Bath fluid  JULABO Thermal HL80
Reactor  20 liters glass reactor (Asahi)
        filled with 18 liter JULABO Thermal HL40
Jacket volume  7.0 l
Control  External (ICC)

Test Results
See chart on back page: The A80 cooling process from +100 °C to +50 °C in 1 h 10 min without overshoot.

Environment
Room temperature  +20 °C
Humidity  45 %
Voltage  230 V / 50 Hz

Tip
You can also use the robust Pt100 with PTFE coating.
More tips on back page >>
Cool-down time 1 h 10 min

- **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®.