Objective
This case study tests the heating 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 heat up from -60 °C to -20 °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)

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

Test Results
See chart on back page: The A80 heating process from -60 °C to -20 °C in 53 min without overshoot.

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®.