Objective
This case study tests the heating power of JULABO PRESTO® A40 with a 10 liters glass reactor. The A40 is connected to the reactor via two 2.0 m metal tubings. The A40 is programmed to heat up from 0 °C to +100 °C.

Test Conditions
JULABO unit: JULABO Presto A40  
Cooling power:  
  +20 °C  1.2 kW  
  0 °C   0.9 kW  
  -20 °C  0.6 kW  
Heating capacity: 2.7 kW  
Band limit: No  
Flow pressure: 0.40 bar  
Bath fluid: JULABO Thermal HL40  
Reactor: 10 liters glass reactor (Normag) filled with 10 liter JULABO Thermal HL40  
Control: External (ICC)

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

Test Results
See chart on back page: The A40 heating process from 0 °C to +100 °C in 1 h 15 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®.