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 +50 °C to +100 °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 HL80
Jacket volume 7.0 l
Control: External (ICC)

Test Results
See chart on back page: The A80 heating process from +50 °C to +100 °C in 1h 40 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 >>
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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®.

JULABO GmbH
Eisenbahnstraße 45
77960 Seelbach / Germany
Tel. +49 (0) 7823 51-0