PRESTO® W80

Heating a 5 liters reactor from +20 °C to +100 °C

Objective
This case study tests the heating power of PRESTO® W80 with a 5 l glass reactor. The PRESTO® W80 is connected to the reactor via two 1 m metal tubings. The PRESTO® W80 is programmed to heat up from +20 °C to +100 °C.

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

Test Conditions
- JULABO unit: PRESTO® W80
- Cooling power:
  - +20 °C: 1.2 kW
  - 0 °C: 1.2 kW
  - -20 °C: 1.1 kW
- Heating capacity: 1.8 kW
- Band limit: without
- Flow pressure: 0.4 bar
- Bath fluid: Thermal HL 80
- Reactor: 5 l glass reactor (Rettberg) filled with 5 l Thermal HL 80
- Jacket volume: 2.5 l
- Control: External (ICC)
Test Results
The PRESTO® W80 heating process from +20 °C to +100°C in 1h 5 min without overshoot.

Tip
Use our tube adapters and your tubing will no longer kink.

Tip
You can also use the robust Pt100 with PTFE coating.