PRESTO® A30

Heating a 6 liters reactor from +20 °C to +50 °C

Objective
This case study tests the heating power of PRESTO® A30 with a 6 liters glass reactor. The PRESTO® A30 is connected to the reactor via two 2 m metal tubings. The PRESTO® A30 is programmed to heat up from +20 °C to +50 °C.

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

Test Conditions
- JULABO unit: PRESTO® A30
- Cooling power:
  - +20 °C: 0.5 kW
  - 0 °C: 0.4 kW
  - -20 °C: 0.2 kW
- Heating capacity: 2.7 kW
- Band limit: without
- Flow pressure: 0.5 bar
- Bath fluid: Thermal HL60
- Reactor: 6 liters glass reactor (QVF) filled with 5 l Thermal HL60
- Jacket volume: 4.5 l
- Control: External (ICC)
Test Results

The PRESTO® A30 heating process from +20 °C to +50°C in 25 min without overshoot.

Tip
Take advantage of our wide range of accessories. The M+R adapter enables you to display and record an additional temperature.

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