PRESTO® A30

Heating a 6 liters reactor from +20 °C to +100 °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 +100 °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 +100°C in 55 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
Use the free of charge EasyTEMP software to control the units with the PC and to show the temperature curves graphically.