PRESTO® W80

Heating a 5 liters reactor from +20 °C to +150 °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 +150 °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 +150°C in 1h 35 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.