PRESTO® A40

Cooling a 6 liters reactor from +200 °C to +20 °C

Objective
This case study tests the cooling power of PRESTO® A40 with a 6 liters glass reactor. The PRESTO® A40 is connected to the reactor via two 2 m metal tubings. The PRESTO® A40 is programmed to cool down from +200 °C to +20 °C.

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

Test Conditions
JULABO unit PRESTO® A40
Cooling power +20 °C 1.2 kW
0 °C 0.9 kW
-20 °C 0.6 kW
Heating capacity 2.7 kW
Band limit without
Flow pressure 0.5 bar
Bath fluid Thermal HL60
Reactor 6 l glass reactor (QVF)
        filled with 5 l Thermal HL60
Jacket volume 4.5 l
Control External (ICC)
Test Results

The PRESTO® A40 cooling process from +200 °C to +20 °C in 1 h 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

Use the free of charge EasyTEMP software to control the units with the PC and to show the temperature curves graphically.