Objective
This case study tests the cooling power of JULABO PRESTO® A40 with a 5 liters glass reactor. The A40 is connected to the reactor via two 2 m metal tubings. The A40 is programmed to cool down from +150 °C to +25 °C.

Test Conditions
JULABO unit           JULABO 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            No
Flow pressure         0.40 bar
Bath fluid            JULABO Thermal HL40
Reactor               5 liters glass reactor (Rettberg)
                       filled with 5 liter JULABO Thermal HL40
Control               External (ICC)

Test Results
See chart on back page: The A40 cooling process from +150 °C to +25 °C in 60 min without overshoot.

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

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

More tips on back page >>
Tip
Make use of the option to regulate the pump pressure. You can define the desired pressure in the PRESTO® settings.

Tip
The Ethernet interface permits full access to all operational functions of the PRESTO®.