Objective
This case study tests the cooling power of JULABO PRESTO® A40 with a 10 liters glass reactor. The A40 is connected to the reactor via two 2.0 m metal tubings. The A40 is programmed to cool down from 0 °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 10 liters glass reactor (Normag)
filled with 10 liter JULABO Thermal HL40
Control External (ICC)

Test Results
See chart on back page: The A40 cooling process from 0 °C to -25 °C in 2 h 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 >>
Cool-down time 2h

- 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®.

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