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 +100 °C to 0 °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 +100 °C to 0 °C in 1 h 30 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®.