

PRESTO[®] A40 Cooling a 6 liters reactor from +20 °C to -10 °C

Objective

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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 +20 °C to -10 °C.

Environment

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

Test Conditions

JULABO unit Cooling power

Heating capacity Band limit Flow pressure Bath fluid Reactor

Jacket volume Control +20 °C 1.2 kW 0 °C 0.9 kW -20 °C 0.6 kW 2.7 kW without 0.5 bar Thermal HL60 6 I glass reactor (QVF) filled with 5 I Thermal HL60 4.5 I External (ICC)

PRESTO® A40







Test Results

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The PRESTO® A40 cooling process from +20 °C to -10 °C in 55 min without overshoot.



Measured with EasyTEMP Professional

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Protect your reactor. The function "band limit" (see above) permits setting the max. temperature difference between jacket and internal vessel.



Tip

Use our tube adapters and your tubing will no longer kink.

