°LAUDA

PRODUCT DATA SHEET

LAUDA PRO RP 2040

Cooling heating bath thermostat 230 V; 50 Hz

Part Number: L000007

Features

- Thermostatic bath with latest microprocessor technology. Integrated cooling system
- Bright and high-contrast graphic OLED display
- Operation with Cursor- and Softkeys
- 360° turnable and detachable control panel for remote control
- EasyUse system for simple operation of the whole unit
- Low-level and adjustable over-temperature protection with acoustic alarm for use with flammable and non-flammable liquids
- SelfCheck Assistant for system diagnosis
- USB and Ethernet interface equipped as standard
- Retrofittable for upgrading with interface (RS 232/485, Profibus; EtherCAT; analogue or contact modules)
- Fully electronic continuous controller with PID action for internal & external control
- PowerAdapt system for the use of the maximum possible amount of heat permitted by the power supply system
- Integrated programmer, 1 programme with max. 20 segments
- Low height of appliance when control panel removed
- Significantly enlarged accessible volume
- Bath vessel made of stainless steel (insulated, with handles and drain tap)
- Internal LAUDA Varioflex pump with 8 selectable levels
- SmartCool system for energy-saving digital cooling management including compressor on-off control
- Hybrid cooling system: (heat removal complementary with cooling water)
- Utilizes natural refrigerants

Working temperature min.

-40 °C

Working temperature max.

200 °C

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Standing: 2021-07-20

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Technical Features (according to DIN 12876)

Working temperature range	-40 … 200 °C
Operating temperature range	-40 … 200 °C
Ambient temperature range	5 … 40 °C
Temperature stability	0.01 ± K
Heater power max.	3.6 kW
Power consumption max.	3.7 kW
Power consumption	16 A
Size of bath (W x D x H)	300 x 290 x 200 mm
Bath volume min. / max.	12.5 / 21.0 L
Overall dimensions (WxDxH)	400 x 565 x 680 mm
Refrigerant stage 1	R-290 (GWP 3); 0.099 kg; 0.0 t CO2-eq
Power supply	230 V; 50 Hz
Power plug	Power cord with angled plug (CEE7/7)

Reserve technical changes

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	8	Ethanol	0.8 kW
10 °C	8	Ethanol	0.8 kW
0 °C	8	Ethanol	0.8 kW
-10 °C	8	Ethanol	0.6 kW
-20 °C	4	Ethanol	0.4 kW
-30 °C	4	Ethanol	0.19 kW
-35 °C	4	Ethanol	0.11 kW
-40 °C	4	Ethanol	0.06 kW

Standard accessories

- 1 Bath cover
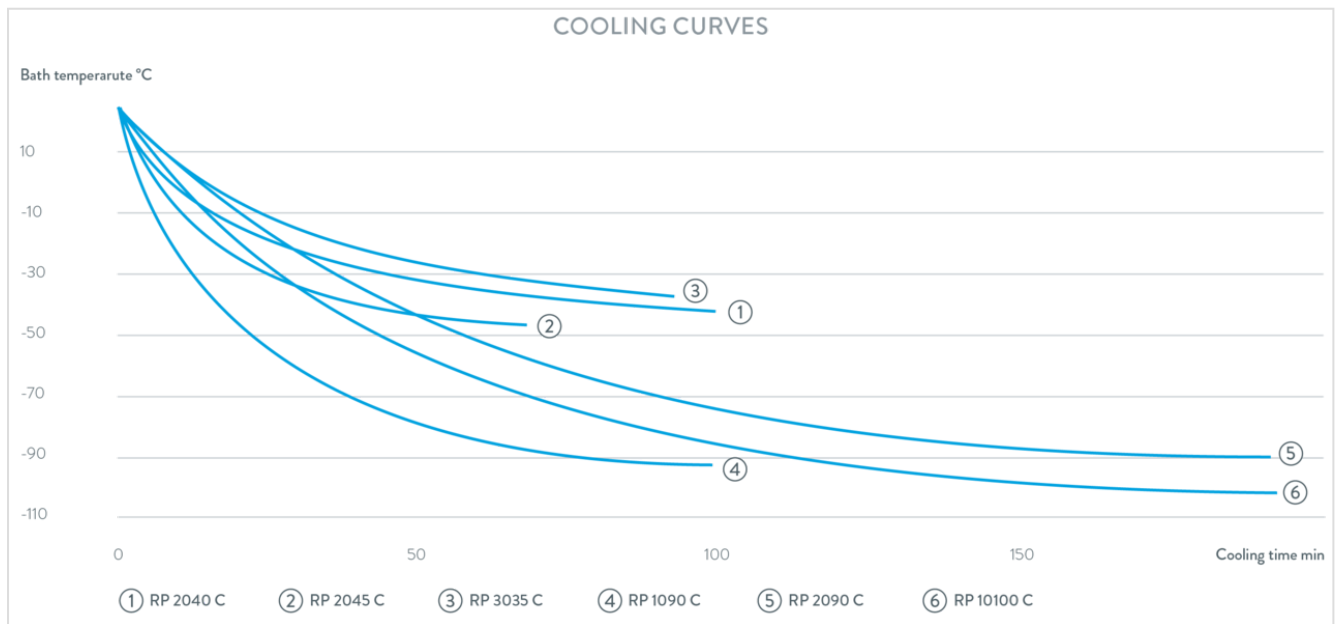- 2 nipples 10 mm with screw cap G3/8 for cooling water

Reserve technical changes

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COOLING CURVES

Bath temperarute °C

① RP 2040 C   ② RP 2045 C   ③ RP 3035 C   ④ RP 1090 C   ⑤ RP 2090 C   ⑥ RP 10100 C

Cooling time min

Reserve technical changes