

PRODUCT DATA SHEET

Standing: 2024-11-11

LAUDA PRO RP 2045

Cooling heating bath thermostat 208-220 V; 60 Hz

Part Number: L000419

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)
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024



Reserve technical changes



Working temperature min.
-45 °C



Working temperature max.
200 °C

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Kommanditgesellschaft: Sitz Lauda-Königshofen
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Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.), Dr. Mario Englert,
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Technical Features (according to DIN 12876)

Working temperature range	-45 ... 200 °C
Operating temperature range	-45 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.01 ± K
Heater power max.	3.3 kW
Power consumption max.	3.5 kW
Current max.	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
Weight	58 kg
Refrigerant stage 1	R-404A (GWP 3922); 0.300 kg; 1.2 t CO2-eq
Power supply	208-220 V; 60 Hz
Power plug	Power cord without plug (HAR)

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	8	Ethanol	1.5 kW
10 °C	8	Ethanol	1.43 kW
0 °C	8	Ethanol	1.17 kW
-10 °C	8	Ethanol	0.84 kW
-20 °C	4	Ethanol	0.52 kW
-30 °C	4	Ethanol	0.28 kW
-35 °C	4	Ethanol	0.2 kW
-40 °C	4	Ethanol	0.13 kW
-45 °C	4	Ethanol	0.07 kW

Standard accessories

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

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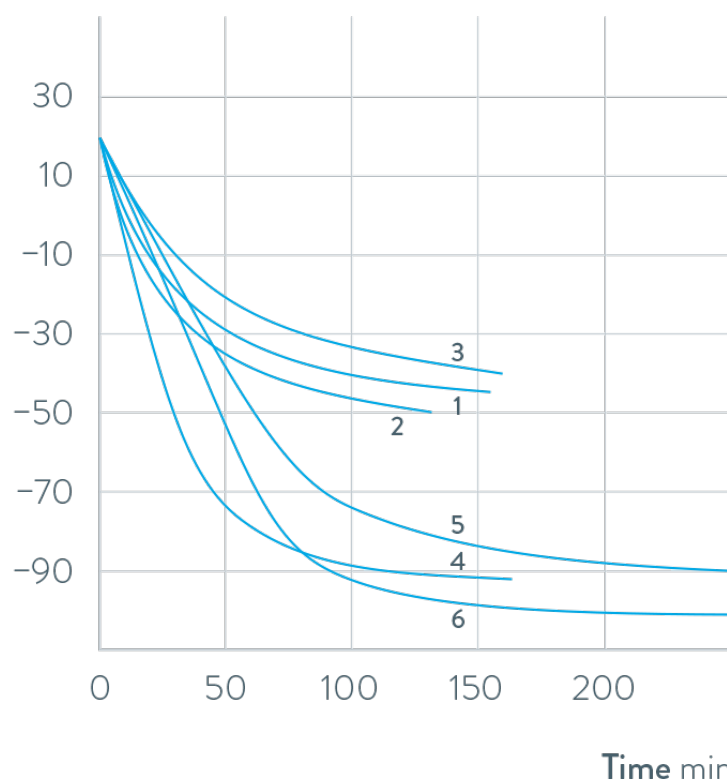
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COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



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

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