

PRODUCT DATA SHEET

Standing: 2024-11-11

LAUDA PRO RP 2045 C

Cooling heating bath thermostat 230 V; 50 Hz

Part Number: L000035

Features

- Thermostatic bath with latest microprocessor technology. Integrated cooling system
- Large 5,7" Multi-Touch-Color display
- Operation with multi touch display
- 360° turnable and detachable control panel for remote control
- User administration for up to 20 user
- Timer und count-down-function
- Data in- and export via USB
- 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
- Programmer with up to 100 programs, up to 50 segments each
- 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)



Reserve technical changes



Working temperature min.
-45 °C



Working temperature max.
200 °C

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
info@lauda.de • www.lauda.de
WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
Registergericht Mannheim • HRA 560069

Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSEY Verwaltungs-GmbH
Sitz Lauda-Königshofen
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. | 3.6 kW |
| Power consumption max. | 3.7 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 730 mm |
| Weight | 59 kg |
| Refrigerant stage 1 | R-404A (GWP 3922); 0.300 kg; 1.2 t CO ₂ -eq |
| Power supply | 230 V; 50 Hz |
| Power plug | Power cord with angled plug (CEE7/7) |

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| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 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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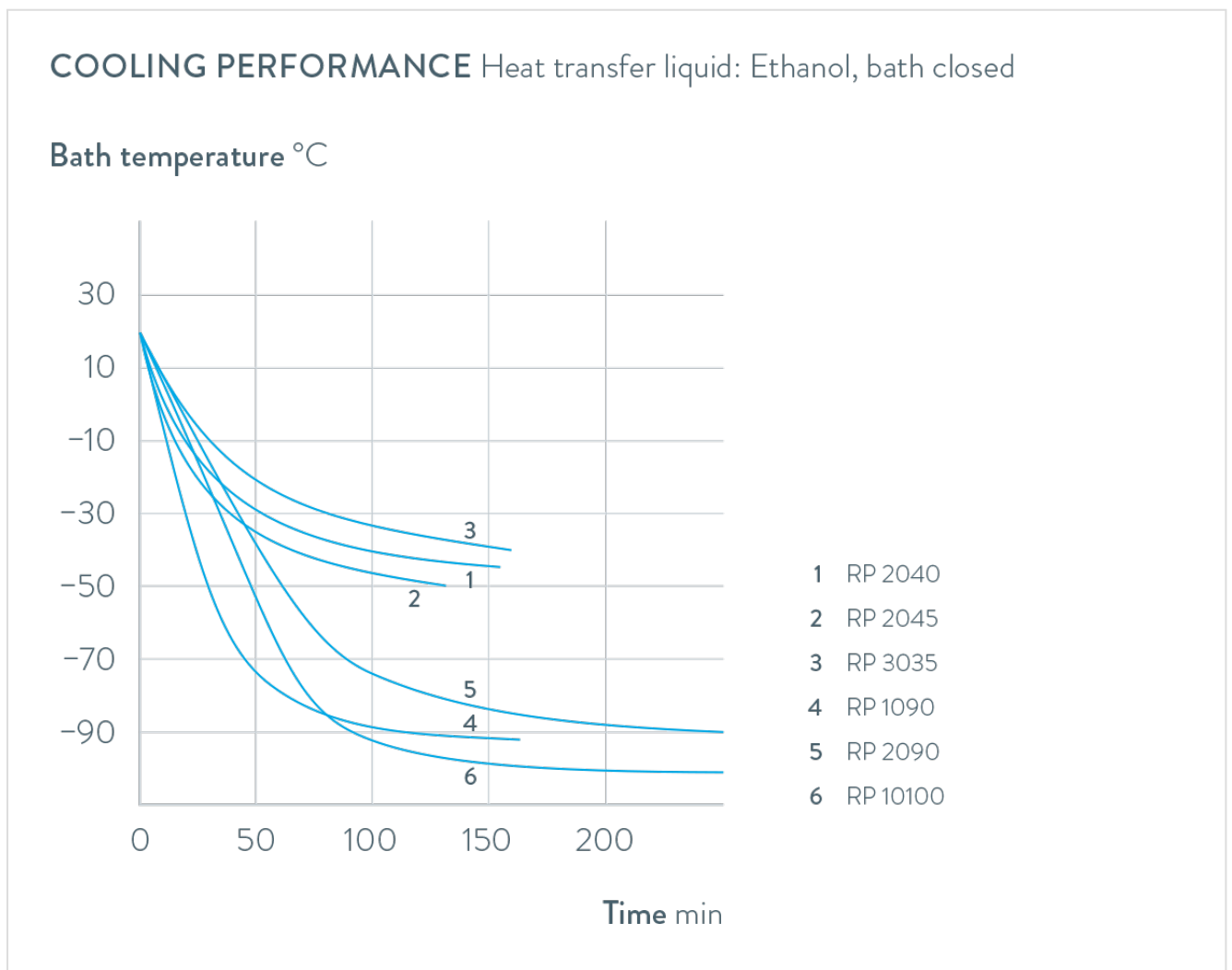
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