# PRODUCT DATA SHEET

Published: 2026-11-25

## LAUDA PRO RP 250 EC

## Cooling heating circulator 230 V; 50 Hz

## Part Number: L002609




**Features**

- Thermostatic circulator with latest microprocessor technology. Integrated cooling system
- Large 5,7" Multi-Touch-Color display
- Operation with multi touch display
- Command console can be detached and used as remote control
- User administration for up to 20 user
- Data in- and export via USB
- Timer und count-down-function
- 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
- Tower design with small footprint
- LAUDA Varioflex pump (pressure/suction) with 8 selectable levels, connections rear
- Low filling volume enables rapid changes in temperature
- Bath vessel made of stainless steel (insulated, with overflow and drain tap)
- 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.
-50 °C

Working temperature max.
200 °C

Reserve technical changes

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

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| Technical Features (according to DIN 12876) | |
|---|---|
| Working temperature range | -50 ... 200 °C |
| Operating temperature range | -50 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.05 ± K |
| Safety fittings | FL |
| Heater power max. | 2.5 kW |
| Power consumption max. | 3.7 kW |
| Current max. | 16 A |
| Pump Pressure max. | 0,7 bar |
| Pump suction max. | 0,4 bar |
| Pump flow rate max. (pressure) | 22 L/min |
| Pump Flow rate max. (suction) | 20 L/min |
| In / Outlet connection thread (outside) | M16 x 1 |
| In / Outlet ∅ olives | 13 mm |
| Filling volume min. | 2.4 L |
| Filling volume max. | 4.4 L |
| Overall dimensions (WxDxH) | 300 x 430 x 675 mm |
| Weight | 46 kg |
| Refrigerant stage 1 | R-290 (GWP 3); 0.140 kg; 0.0 t CO2-eq |
| Power supply | 230 V; 50 Hz |
| Power plug | Power cord with angled plug (BS1363) |

Reserve technical changes

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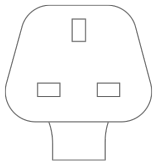

Power cord with angled plug (BS1363)

| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 Hz |
|---|---|---|---|
| 20 °C | 8 | Ethanol | 1.5 kW |
| 10 °C | 8 | Ethanol | 1.44 kW |
| 0 °C | 8 | Ethanol | 1.2 kW |
| -10 °C | 8 | Ethanol | 0.84 kW |
| -20 °C | 4 | Ethanol | 0.54 kW |
| -30 °C | 4 | Ethanol | 0.29 kW |
| -40 °C | 4 | Ethanol | 0.11 kW |
| -45 °C | 4 | Ethanol | 0.04 kW |
| -50 °C | 2 | Ethanol | 0.02 kW |

Reserve technical changes

**Standard accessories**

- 2 screw caps, 2 closing plugs
- 2 nipples 13 mm for pump connectors
- 2 nipples 10 mm with screw cap G3/8 for cooling water

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