

PRODUCT DATA SHEET

Standing: 2021-06-01

LAUDA PRO RP 250 E

Cooling heating circulator 230 V; 50 Hz

Part Number: L002494

Features

- Thermostatic circulator with latest microprocessor technology. Integrated cooling system
- Bright and high-contrast graphic OLED display
- Integrated programmer, 1 programme with max. 20 segments
- Operation with Cursor- and Softkeys
- EasyUse system for simple operation of the whole unit
- SelfCheck Assistant for system diagnosis
- Command console can be detached and used as remote control
- Tower design with small footprint
- Low filling volume enables rapid changes in temperature
- Bath vessel made of stainless steel (insulated, with overflow and drain tap)
- LAUDA Varioflex pump (pressure/suction) with 8 selectable levels, connections rear
- 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
- Low-level and adjustable over-temperature protection with acoustic alarm for use with flammable and non-flammable liquids
- 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



Reserve technical changes



Working temperature min.
-50 °C



Working temperature max.
200 °C

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Technical Features

| | |
|---|--|
| Working temperature range | -50 ... 200 °C |
| Operating temperature range | -50 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.05 ± K |
| Heater power max. | 2.5 kW |
| Power consumption max. | 3.7 kW |
| Power consumption | 16 A |
| Pump Pressure max. | 0.7 bar |
| Pump flow rate pressure max. | 22 L/min |
| In / Outlet connection thread (outside) | M16x1 |
| In / Outlet Ø olives | 13 mm |
| Filling volume min. | 2.4 L |
| Filling volume max. | 4.4 L |
| Overall dimensions (WxDxH) | 300 x 430 x 675 mm |
| Refrigerant stage 1 | R-290 (GWP 3); 0.140 kg; 0.0 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 | 1.44 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 |

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

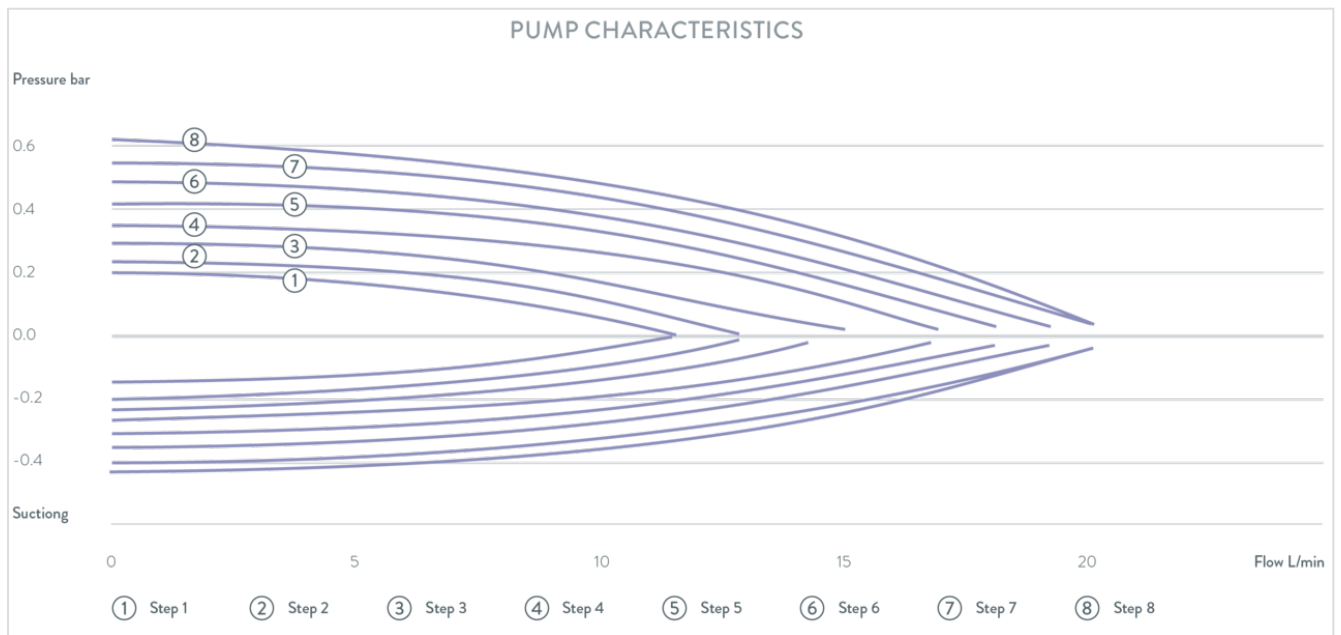
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