

PRODUCT DATA SHEET

Standing: 2024-11-11

LAUDA PRO RP 10100 C

Cooling heating bath thermostat 230 V; 50 Hz

Part Number: L000081

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
- 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
- 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.
-100 °C



Working temperature max.
200 °C

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Geschäftsführer:
Dr. Gunter 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	-100 ... 200 °C
Operating temperature range	-100 ... 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)	240 x 150 x 200 mm
Bath volume min. / max.	6.5 / 10.5 L
Overall dimensions (WxDxH)	500 x 600 x 780 mm
Refrigerant stage 1	R-404A (GWP 3922); 0.220 kg; 0.9 t CO ₂ -eq
Refrigerant stage 2	R-1150 (GWP 3); 0.060 kg; 0.0 t CO ₂ -eq
Power supply	230 V; 50 Hz
Power plug	Power cord with plug (GB2099, 15934)

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	8	Ethanol	0.4 kW
10 °C	8	Ethanol	0.4 kW
0 °C	8	Ethanol	0.4 kW
-10 °C	8	Ethanol	0.4 kW
-20 °C	4	Ethanol	0.4 kW
-30 °C	4	Ethanol	0.39 kW
-40 °C	4	Ethanol	0.37 kW
-50 °C	4	Ethanol	0.35 kW
-60 °C	4	Ethanol	0.32 kW
-70 °C	4	Ethanol	0.25 kW
-80 °C	4	Ethanol	0.17 kW
-85 °C	4	Ethanol	0.12 kW
-90 °C	4	Ethanol	0.06 kW
-95 °C	4	Ethanol	0.02 kW
-100 °C	4	Ethanol	0.01 kW

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Standard accessories

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

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