

## PRODUCT DATA SHEET

Standing: 2024-01-31

### LAUDA PRO RP 1090

Cooling heating bath thermostat 230 V; 50 Hz

Part Number: L000096

#### 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)
- Utilizes natural refrigerants



Working temperature min.  
-90 °C



Working temperature max.  
200 °C

Reserve technical changes

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## Technical Features (according to DIN 12876)

Working temperature range	-90 ... 200 °C
Operating temperature range	-90 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.01 ± K
Heater power max.	2.95 kW
Power consumption max.	3 kW
Current max.	13 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)	440 x 600 x 730 mm
Refrigerant stage 1	R-290 (GWP 3); 0.110 kg; 0.0 t CO <sub>2</sub> -eq
Refrigerant stage 2	R-170 (GWP 6); 0.075 kg; 0.0 t CO <sub>2</sub> -eq
Power supply	230 V; 50 Hz
Power plug	Power cord with angled plug (BS1363)

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	8	Ethanol	0.8 kW
10 °C	8	Ethanol	0.75 kW
0 °C	8	Ethanol	0.72 kW
-10 °C	8	Ethanol	0.69 kW
-20 °C	4	Ethanol	0.66 kW
-30 °C	4	Ethanol	0.63 kW
-40 °C	4	Ethanol	0.6 kW
-50 °C	4	Ethanol	0.54 kW
-60 °C	4	Ethanol	0.37 kW
-70 °C	4	Ethanol	0.24 kW
-80 °C	4	Ethanol	0.11 kW
-85 °C	4	Ethanol	0.05 kW
-90 °C	4	Ethanol	0.02 kW

### Standard accessories

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

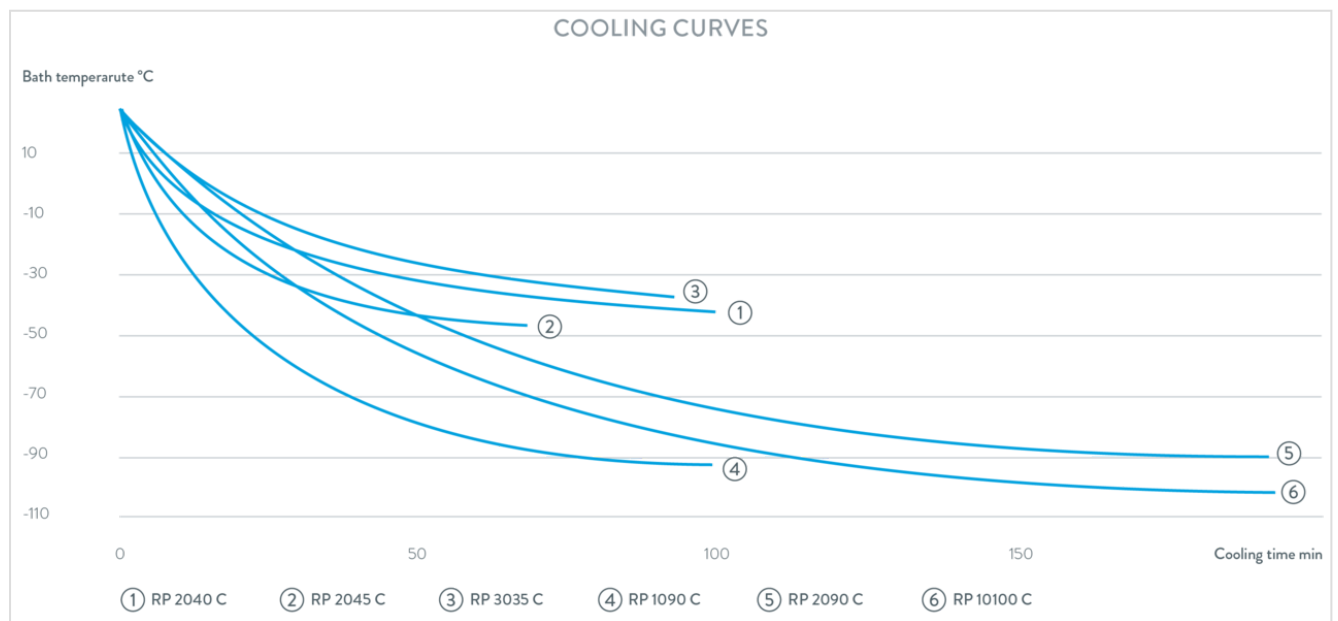
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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

**The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed, please provide these to our sales team so that details can be confirmed.**

