

PRODUCT DATA SHEET

Standing: 2021-07-20

LAUDA PRO RP 2045

Cooling heating bath thermostat 230 V; 50 Hz

Part Number: 1 0 0 0 0 0 8

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
- · 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.

45 °C



Working temperature max.

200°C



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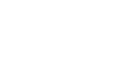
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Technical Features (according to DIN 12876)

Working temperature range
Operating temperature range
Ambient temperature range
Temperature stability
Heater power max.
Power consumption max.
Power consumption
Size of bath (W \times D \times H)
Bath volume min. / max.
Overall dimensions (WxDxH)
Refrigerant stage 1
Power supply
Power plug

-45 200 °C
-45 200 °C
5 40 °C
0.01 ± K
3.6 kW
3.7 kW
6 A
300 x 290 x 200 mm
2.5 / 21.0 L
400 x 565 x 680 mm
R-290 (GWP 3); 0.149 kg; 0.0 t CO2-eq
230 V; 50 Hz
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



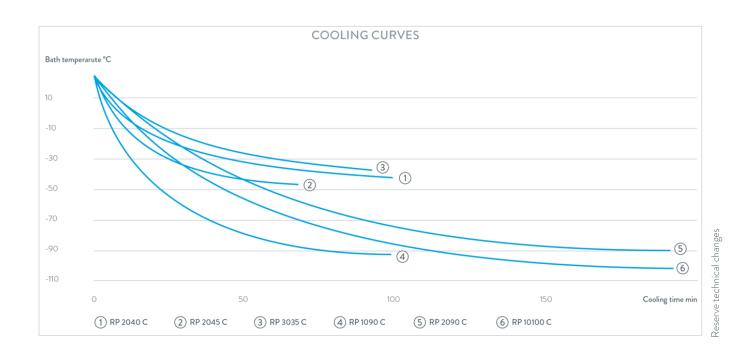
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