

PRODUCT DATA SHEET

Standing: 2024-03-19

LAUDA PRO RP 245 E

Cooling heating circulator 230 V; 50 Hz

Part Number: L000105

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)
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024



Reserve technical changes



Working temperature min.
-45 °C



Working temperature max.
200 °C

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Technical Features (according to DIN 12876)

Working temperature range	-45 ... 200 °C
Operating temperature range	-45 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	2.5 kW
Power consumption max.	3 kW
Current max.	13 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 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
Weight	41 kg
Refrigerant stage 1	R-449A (GWP 1397); 0.300 kg; 0.4 t CO ₂ -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	0.8 kW
0 °C	8	Ethanol	0.8 kW
-10 °C	8	Ethanol	0.53 kW
-20 °C	4	Ethanol	0.34 kW
-30 °C	4	Ethanol	0.15 kW
-35 °C	4	Ethanol	0.09 kW
-40 °C	4	Ethanol	0.04 kW
-45 °C	2	Ethanol	0.01 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

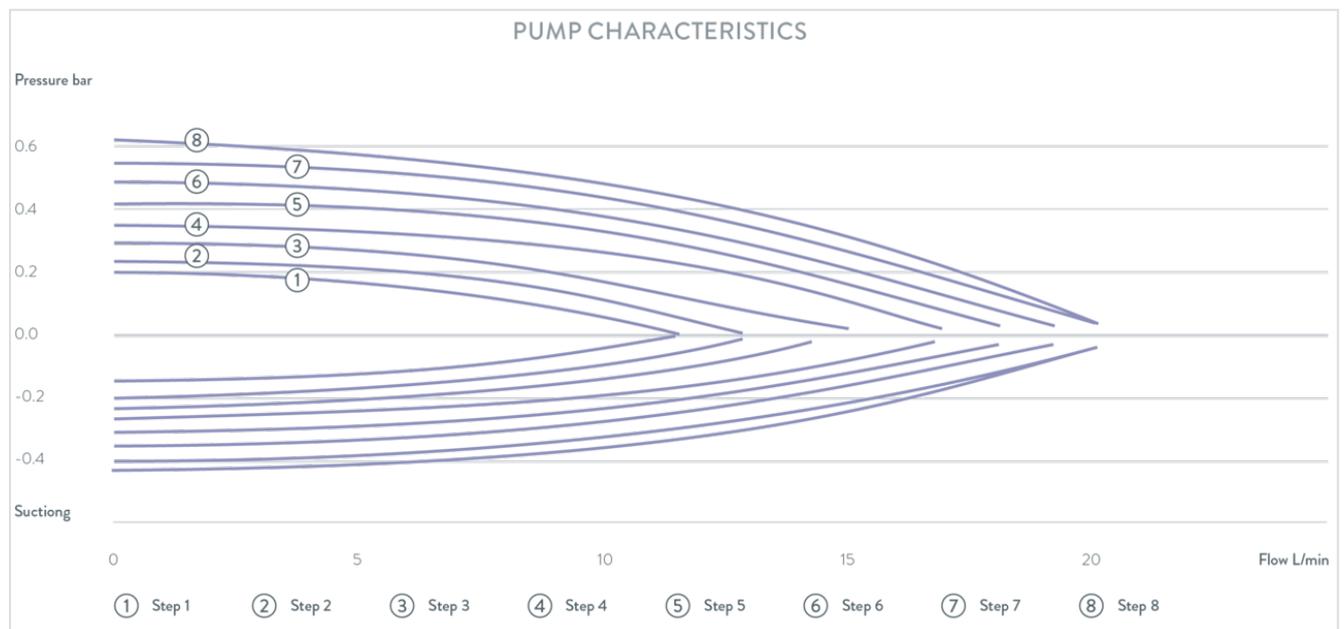
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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.