

## PRODUCT DATA SHEET

Standing: 2024-11-11

### LAUDA PRO RP 245 E

Cooling heating circulator 120 V; 60 Hz

Part Number: L000453

#### 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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WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen  
Registergericht Mannheim • HRA 560069

Persönlich haftende Gesellschafterin:  
LAUDA DR. R. WOBSEY Verwaltungs-GmbH  
Sitz Lauda-Königshofen  
Registergericht Mannheim • HRB 560226

Geschäftsführer:  
Dr. Gunther 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	-45 ... 200 °C
Operating temperature range	-45 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	1.8 kW
Power consumption max.	1.9 kW
Current max.	16 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	40 kg
Refrigerant stage 1	R-449A (GWP 1397); 0.300 kg; 0.4 t CO <sub>2</sub> -eq
Power supply	120 V; 60 Hz
Power plug	Power cord with plug (NEMA 5-20P)
Certification	NRTL according to UL 1995:2018, CSA C22.2 No.236:2015

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 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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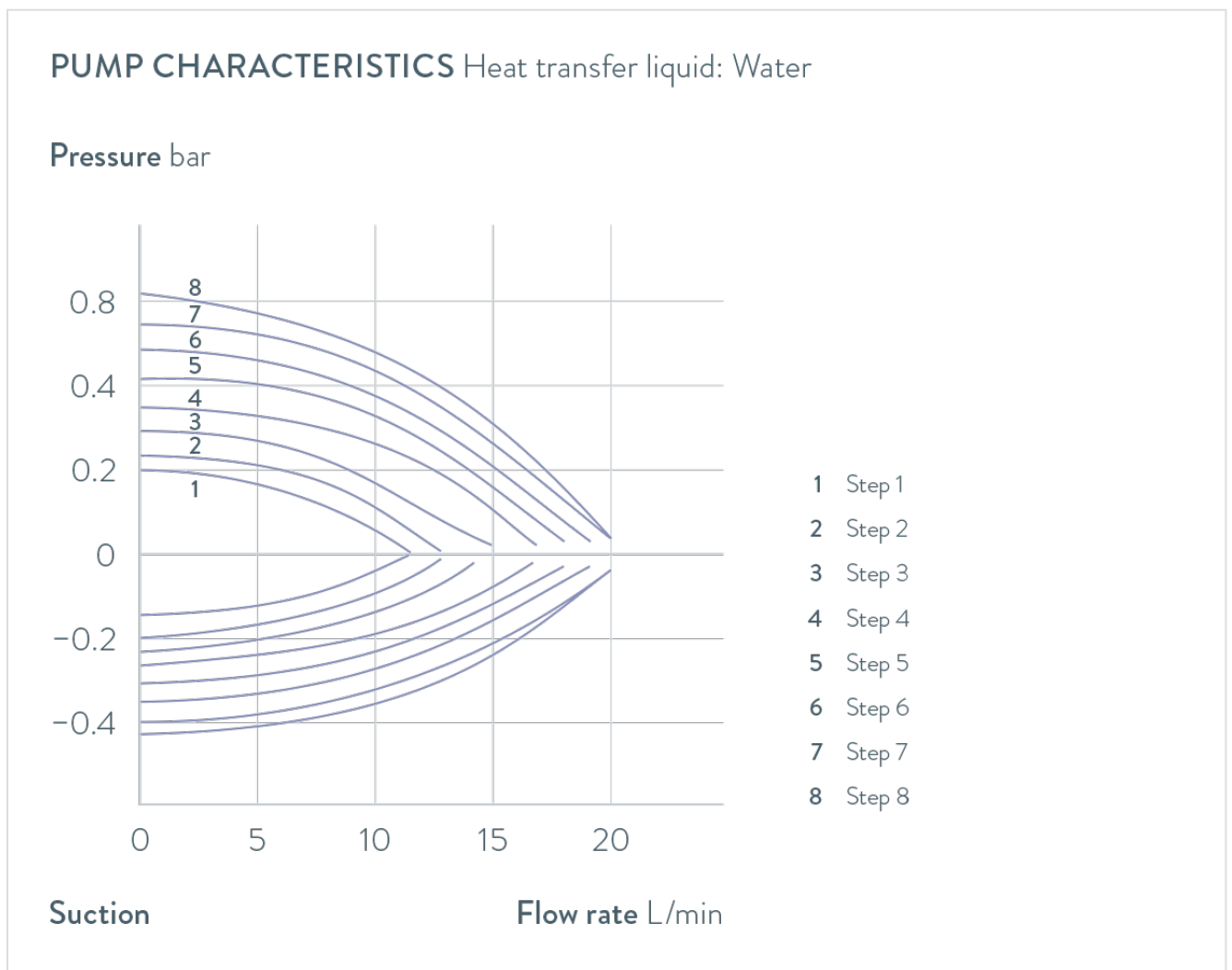
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