PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA PRO RP 245 EC

Cooling heating circulator 120 V; 60 Hz

Part Number: L004593



Features

- Thermostatic circulator with latest microprocessor technology. Integrated cooling system
- Large 5,7" Multi-Touch-Color display
- Operation with multi touch display
- Command console can be detached and used as 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
- Tower design with small footprint
- LAUDA Varioflex pump (pressure/suction) with 8 selectable levels, connections rear
- Low filling volume enables rapid changes in temperature
- Bath vessel made of stainless steel (insulated, with overflow and drain tap)
- 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

Reserve technical changes

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Geschäftsführer:
Dr. Gunther Wobser (Vors.),
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
Safety fittings	FL
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 ∅ olives	13 mm
Filling volume min.	2.4 L
Filling volume max.	4.4 L
Overall dimensions (WxDxH)	300 x 430 x 675 mm
Refrigerant stage 1	R-290 (GWP 3); 0.099 kg; 0.0 t CO2-eq
Power supply	120 V; 60 Hz
Power plug	Power cord with plug (NEMA 5-20P)



Power cord with plug (NEMA 5-20P)

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Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	8	Ethanol	0.9 kW
10 °C	8	Ethanol	0.85 kW
0 °C	8	Ethanol	0.82 kW
-10 °C	8	Ethanol	0.57 kW
-20 °C	4	Ethanol	0.37 kW
-30 °C	4	Ethanol	0.19 kW
-35 °C	4	Ethanol	0.12 kW
-40 °C	4	Ethanol	0.05 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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