

Standing: 2024-01-19

LAUDA PRO RP 250 EC

Cooling heating circulator 230 V; 50 Hz

Part Number: 1 002609

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.

-50 °C



Working temperature max.

200°C





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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.
Current max.
Pump Pressure max.
Pump suction max.
Pump flow rate max. (pressure)
Pump Flow rate max. (suction)
In / Outlet connection thread (outside)
In / Outlet Ø olives
Filling volume min.
Filling volume max.
Overall dimensions (WxDxH)
Weight
Refrigerant stage 1
Power supply
Power plug

-50 200 °C
-50 200 °C
540°C
0.05 ± K
2.5 kW
3.7 kW
16 A
0,7 bar
0,4 bar
22 L/min
20 L/min
M16 x 1
13 mm
2.4 L
4.4 L
300 x 430 x 675 mm
46 kg
R-290 (GWP 3); 0.140 kg; 0.0 t CO2-eq
230 V; 50 Hz
Power cord with angled plug (BS1363)





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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	1.44 kW
0 °C	8	Ethanol	1.2 kW
-10 °C	8	Ethanol	0.84 kW
-20 °C	4	Ethanol	0.54 kW
-30 °C	4	Ethanol	0.29 kW
-40 °C	4	Ethanol	0.11 kW
-45 °C	4	Ethanol	0.04 kW
-50 °C	2	Ethanol	0.02 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

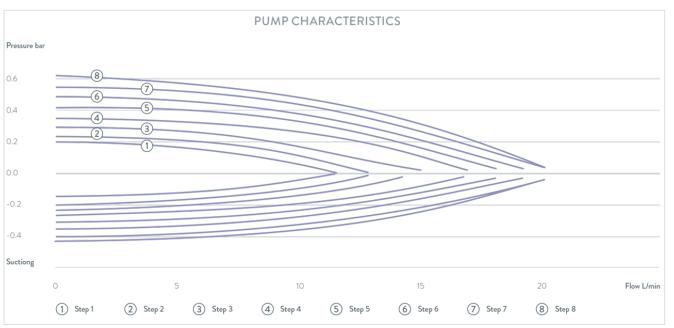


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Reserve technical changes



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.