

PRODUCT DATA SHEET

Standing: 2025-09-08

LAUDA Variocool VC 1200 W

Process thermostat 200 V; 50/60 Hz

Part Number: L004470

Features

- Coloured TFT display for simultaneous indication of actual & set values and graphic illustration of the temperature profile
- Clear text menu navigation, six selectable languages DE, EN, FR, ES, IT, RU
- Easy input via cursor and soft keys
- Fully electronic continuous controller with PID action
- Electronic level indication and low level alarm
- Powerful pressure pump
- USB interface as standard
- Remote fault indication through floating contact
- Upgradeable with an interface module (analogue module, contact module, RS 232/485 module, Profibus, Ethernet-USB module)
- Integrated programmer with max. 150 segments, splittable in 5 programmes
- Adjustable bypass for pressure limiting
- Filler opening on top, drain tap on the backside
- SmartCool system for energy-saving digital cooling management including compressor on-off control
- Operates with non flammable liquids (water, water/glycol)
- Process thermostat suitable for use with non-flammable heat transfer liquids
- Condenser cooling Water
- Utilizes natural refrigerants



Reserve technical changes



Working temperature min.
-25 °C



Working temperature max.
80 °C

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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	-25 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	2 kW
Power consumption max.	2.4 kW
Current max.	13 A
Pump Pressure max.	3,2 bar
Pump flow rate max. (pressure)	37 L/min
In / Outlet connection thread (outside)	G 3/4"
Pressure adjustment	bypass
Filling volume min.	8 L
Filling volume max.	15 L
Recommended cooling water temperature	15 °C
Cooling water consumption	1.5 L/min
Pressure difference cooling water min.	1 bar
Maximum pressure cooling water	10 bar
Overall dimensions (WxDxH)	450 x 550 x 790 mm
Weight	57 kg
Refrigerant stage 1	R-290 (GWP 3); 0.095 kg; 0.0 t CO ₂ -eq
Power supply	200 V; 50/60 Hz
Power plug	Power cord with plug (NEMA 6-20P)

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Power cord with plug (NEMA 6-20P)

Temperature	Heat transfer liquid	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
20 °C	Ethanol	1.32 kW	1.32 kW
10 °C	Ethanol	1.22 kW	1.22 kW
0 °C	Ethanol	1.02 kW	1.02 kW
-10 °C	Ethanol	0.77 kW	0.77 kW
-20 °C	Ethanol	0.45 kW	0.45 kW
-25 °C	Ethanol	0.28 kW	0.28 kW

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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



- 1 0.9 bar, 28 L/min
- 2 3.2 bar, 37 L/min
- 3 4.8 bar, 37 L/min
- 4 5.0 bar, 60 L/min

Flow rate L/min

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