PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA Variocool VC 2000 W
Process thermostat 230 V; 50 Hz
Part Number: L004074

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 two interface modules (analogue module, contact module, RS 232/485 module, Profibus, Ethernet-USB module)
- Integrated programmer with max. 150 segments, splitable 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

Working temperature min.
-25 °C

Working temperature max.
80 °C

Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
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WEEE-Reg-Nr.: DE 66 42 40 57

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

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	-25 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	2.3 kW
Power consumption max.	2.7 kW
Current max.	13 A
Pump Pressure max.	0,9 bar
Pump flow rate max. (pressure)	28 L/min
In / Outlet connection thread (outside)	G 3/4"
Pressure adjustement	bypass
Filling volume min.	8 L
Filling volume max.	15 L
Recommended cooling water temperature	15 °C
Cooling water consumption	4 L/min
Pressure difference cooling water min.	1 bar
Maximum pressure cooling water	10 bar
Overall dimensions (WxDxH)	450 x 550 x 650 mm
Weight	50 kg
Refrigerant stage 1	R-290 (GWP 3); 0.095 kg; 0.0 t CO2-eq
Power supply	230 V; 50 Hz
Power plug	Power cord with angled plug (CEE7/7)

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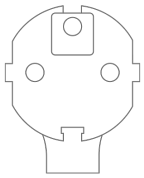
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Power cord with angled plug (CEE7/7)

Temperature	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	Ethanol	2.1 kW
10 °C	Ethanol	1.85 kW
0 °C	Ethanol	1.3 kW
-10 °C	Ethanol	0.95 kW
-20 °C	Ethanol	0.62 kW
-25 °C	Ethanol	0.4 kW

Standard accessories

- 2 nipples 3/4" with screw cap G3/4 for pump connectors
- 2 nipples 1/2" with screw cap G3/4 for cooling water

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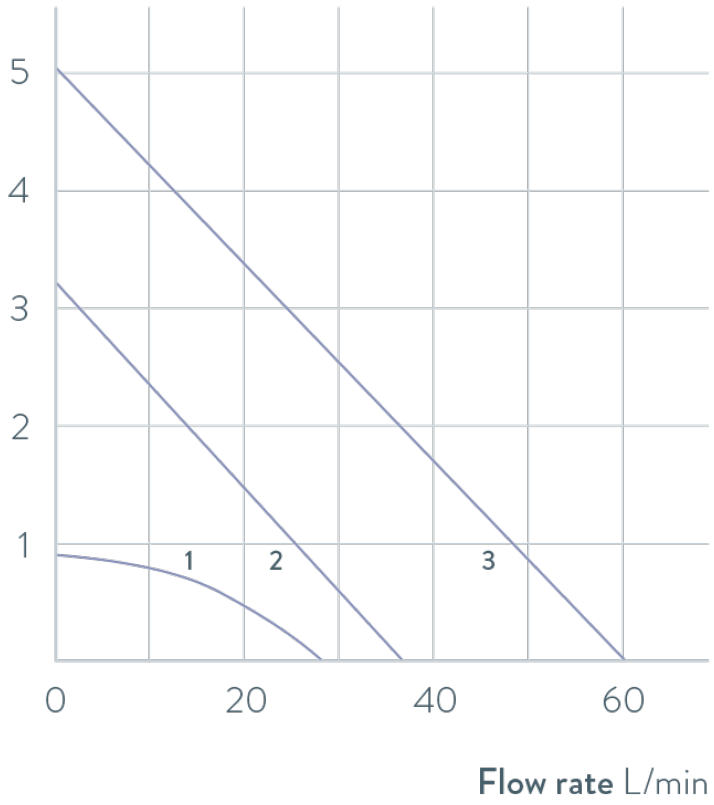
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1 0.9 bar, 28 L/min

2 3.2 bar, 37 L/min

3 5.0 bar, 60 L/min

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