

## PRODUCT DATA SHEET

Standing: 2024-03-18

LAUDA Variocool VC 3000 W

Process thermostat 200 V; 50/60 Hz

Part Number: L001039

### Features

- Process thermostat suitable for use with non-flammable heat transfer liquids
- 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
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024
- Condenser cooling Water
- Operates with non flammable liquids (water, water/glycol)



Reserve technical changes



Working temperature min.  
-20 °C



Working temperature max.  
80 °C

LAUDA DR. R. WOBSEY GMBH & CO. KG  
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0  
info@lauda.de • www.lauda.de  
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. Ralf Hermann, Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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## Technical Features (according to DIN 12876)

Working temperature range	-20 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	1.1 kW
Power consumption max.	2.6 kW
Current max.	15 A
Pump Pressure max.	4,8 bar
Pump flow rate max. (pressure)	37 L/min
In / Outlet connection thread (outside)	G 3/4"
Pressure adjustment	bypass
Filling volume max.	33 L
Water cooling connection thread (outside)	3/4 "
Recommended cooling water temperature	15 °C
Cooling water flow rate	7.5 L/min
Pressure difference cooling water min.	0.7 bar
Maximal pressure cooling water	10 bar
Overall dimensions (WxDxH)	550 x 650 x 970 mm
Weight	95 kg
Refrigerant stage 1	R-449A (GWP 1397); 0.950 kg; 1.3 t CO2-eq
Power supply	200 V; 50/60 Hz
Power plug	Power cord with plug (NEMA 6-20P)

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Temperature	Heat transfer liquid	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
20 °C	Ethanol	2.8 kW	2.8 kW
10 °C	Ethanol	2.2 kW	2.2 kW
0 °C	Ethanol	1.48 kW	1.48 kW
-10 °C	Ethanol	0.75 kW	0.75 kW
-20 °C	Ethanol	0.25 kW	0.25 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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