

## PRODUCT DATA SHEET

Standing: 2024-12-02

LAUDA Variocool VC 3000

Process thermostat 230 V; 50 Hz

Part Number: L000938

### 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 Air
- Operates with non flammable liquids (water, water/glycol)



Reserve technical changes



Working temperature min.  
-20 °C



Working temperature max.  
80 °C

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Persönlich haftende Gesellschafterin:  
LAUDA DR. R. WOBSEY Verwaltungs-GmbH  
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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               | -20 ... 80 °C  |
| Ambient temperature range               | 5 ... 40 °C  |
| Temperature stability                   | 0.05 ± K   |
| Heater power max.                       | 1.5 kW   |
| Power consumption max.                  | 2.6 kW   |
| Current max.                            | 13 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   |
| Overall dimensions (WxDxH)              | 550 x 650 x 970 mm                                     |
| Weight                                  | 89 kg  |
| Refrigerant stage 1                     | R-449A (GWP 1397); 0.950 kg; 1.3 t CO <sub>2</sub> -eq |
| Power supply                            | 230 V; 50 Hz   |
| Power plug                              | Power cord with angled plug (BS1363)                   |

Reserve technical changes

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

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### Standard accessories

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

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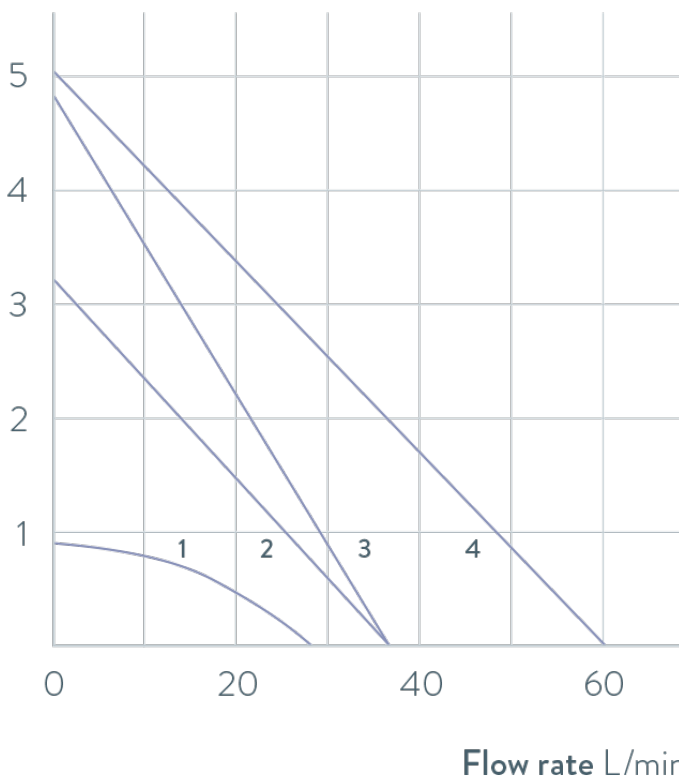
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### PUMP CHARACTERISTIC Heat transfer liquid: Water

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

Reserve technical changes

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