# PRODUCT DATA SHEET

Published: 2026-10-26

## LAUDA Variocool VC 5000

## Process thermostat 208-220 V; 3/PE; 60 Hz

## Part Number: L004363



**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

Working temperature min.
-25 °C

Working temperature max.
80 °C

Reserve technical changes

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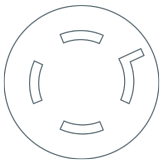
Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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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. | 4.1 kW |
| Power consumption max. | 4.9 kW |
| Current max. | 16 A |
| Pump Pressure max. | 5,0 bar |
| Pump flow rate max. (pressure) | 60 L/min |
| In / Outlet connection thread (outside) | G 3/4" |
| Pressure adjustement | bypass |
| Filling volume min. | 20 L |
| Filling volume max. | 33 L |
| Overall dimensions (WxDxH) | 550 x 650 x 970 mm |
| Weight | 111 kg |
| Refrigerant stage 1 | R-513A (GWP 631); 1.000 kg; 0.6 t CO2-eq |
| Power supply | 208-220 V; 3/PE; 60 Hz |
| Power plug | Power cord with plug (NEMA L15-20P twist lock) |



Power cord with plug (NEMA L15-20P twist lock)

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| Temperature | Heat transfer liquid | Cooling Capacity 60 Hz |
|---|---|---|
| 20 °C | Ethanol | 5.3 kW |
| 10 °C | Ethanol | 3.85 kW |
| 0 °C | Ethanol | 2.5 kW |
| -10 °C | Ethanol | 1.35 kW |
| -20 °C | Ethanol | 0.55 kW |
| -25 °C | Ethanol | 0.2 kW |

**Standard accessories**

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

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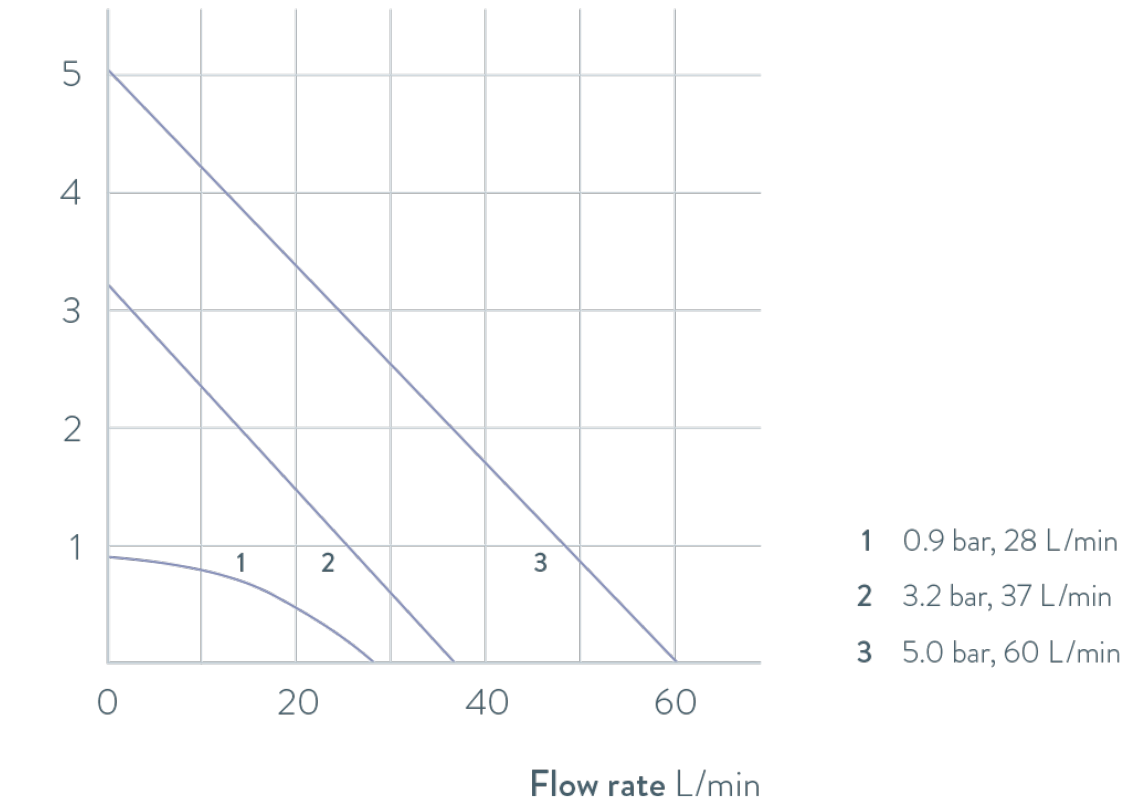
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