PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA Variocool VC 5000

Process thermostat 400 V; 3/N/PE; 50 Hz

Part Number: L000949



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 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
- 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)

Working temperature min.
-20 °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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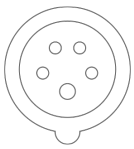
Technical Features (according to DIN 12876)	
Working temperature range	-20 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	4.5 kW
Power consumption max.	7.8 kW
Current max.	12 A
Pump Pressure max.	5,0 bar
Pump flow rate max. (pressure)	60 L/min
In / Outlet 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	97 kg
Refrigerant stage 1	R-449A (GWP 1397); 1.100 kg; 1.5 t CO2-eq
Power supply	400 V; 3/N/PE; 50 Hz
Power plug	Power cord with plug (IEC 60309, 5-pol, CEE, red, 16 A)



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Temperature	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	Ethanol	4.65 kW
10 °C	Ethanol	3.55 kW
0 °C	Ethanol	2.4 kW
-10 °C	Ethanol	1.35 kW
-20 °C	Ethanol	0.55 kW

Standard accessories

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

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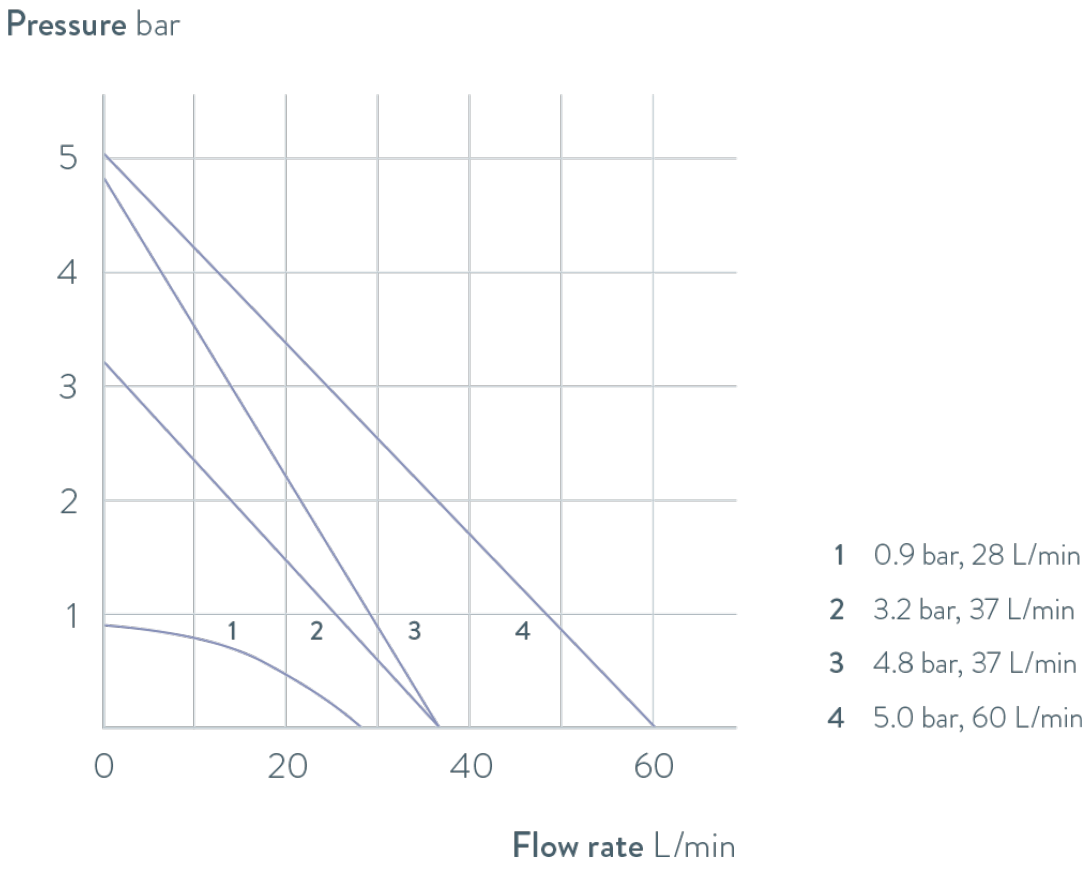
PUMP CHARACTERISTIC Heat transfer liquid: Water



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