

PRODUCT DATA SHEET

Published: 2026-09-08

LAUDA Variocool VC 5000 W

Process thermostat 400 V; 3/PE; 50 Hz

Part Number: L004079

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, 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
- 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



Reserve technical changes



Working temperature min.
-25 °C



Working temperature max.
80 °C

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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	-25 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	4.5 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 adjustment	bypass
Filling volume min.	20 L
Filling volume max.	33 L
Water cooling connection thread (outside)	3/4 "
Recommended cooling water temperature	15 °C
Cooling water consumption	5 L/min
Pressure difference cooling water min.	3 bar
Maximum pressure cooling water	10 bar
Overall dimensions (WxDxH)	550 x 650 x 970 mm
Refrigerant stage 1	R-290 (GWP 3); 0.360 kg; 0.0 t CO ₂ -eq
Minimum room size, depending on the refrigerant	47,5 m ³
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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Power cord with plug (IEC 60309, 5-pol, CEE, red, 16 A)

Temperature	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	Ethanol	5.3 kW
10 °C	Ethanol	4 kW
0 °C	Ethanol	2.6 kW
-10 °C	Ethanol	1.55 kW
-20 °C	Ethanol	0.7 kW
-25 °C	Ethanol	0.3 kW

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