PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA Variocool VC 10000 W
Process thermostat 208-220 V; 3/PE; 60 Hz
Part Number: L004366



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

LAUDA DR. R. WOBSER GMBH & CO. KG
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WEEE-Reg-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
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Persönlich haftende Gesellschafterin:
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Registergericht Mannheim • HRB 560226

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	0.1 ± K
Heater power max.	6.9 kW
Power consumption max.	8.1 kW
Current max.	24 A
Pump Pressure max.	5,0 bar
Pump flow rate max. (pressure)	60 L/min
In / Outlet connection thread (outside)	G 1 1/4"
Pressure adjustement	bypass
Filling volume min.	48 L
Filling volume max.	64 L
Water cooling connection thread (outside)	3/4 ″
Recommended cooling water temperature	15 °C
Cooling water consumption	24 L/min
Pressure difference cooling water min.	3 bar
Maximum pressure cooling water	10 bar
Overall dimensions (WxDxH)	650 x 670 x 1250 mm
Weight	151 kg
Refrigerant stage 1	R-513A (GWP 631); 2.000 kg; 1.3 t CO2-eq
Power supply	208-220 V; 3/PE; 60 Hz
Power plug	Power cord with plug (NEMA L16-30P twist lock; 30 A)
Certification	NRTL according to UL 61010-1:2012/R:2024-11, UL 61010-2-010:2019/R:2023-09, CSA C22.2 No. 61010-2-010:2019, CSA C22.2 No. 61010-1:2012/U4:2024-11, CSA C22.2 No. 61010-2-011:2019

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Power cord with plug (NEMA L16-30P twist lock; 30 A)

Temperature	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	Ethanol	13 kW
10 °C	Ethanol	9.5 kW
0 °C	Ethanol	6.4 kW
-10 °C	Ethanol	3.85 kW
-20 °C	Ethanol	1.65 kW
-25 °C	Ethanol	0.95 kW

Reserve technical changes

Standard accessories

- 2 nipples 1" with screw cap G1 1/4 for pump connectors
- 2 nipples 1/2" with screw cap G3/4 for cooling water

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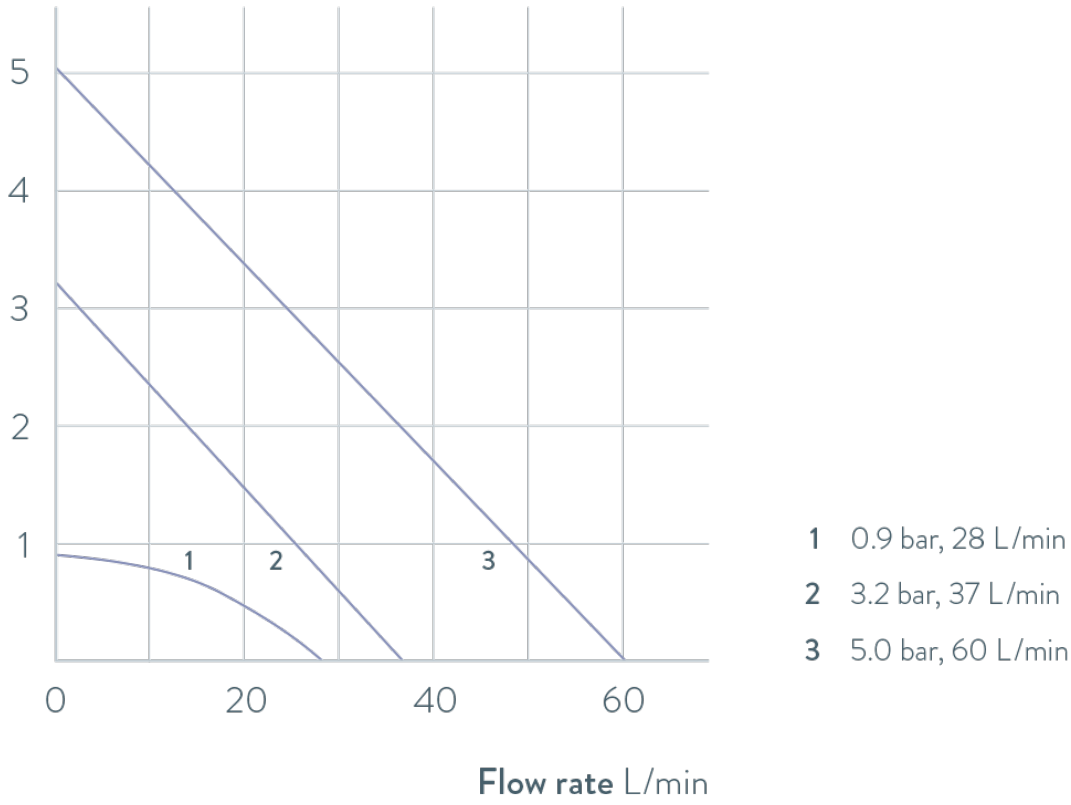
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