

PRODUCT DATA SHEET

Published: 2026-09-17

LAUDA Universa U 1625 E

Cooling thermostat 110-125 V; 60 Hz

Part Number: L004302

Features

- Bath circulation thermostat for standard temperature control tasks up to 100 °C – reliable and intuitive to use.
- Future-proof thanks to modularity: LAUDA Universa with interchangeable control head and heating/cooling base allows flexible adaptation to current and future requirements.
- Bright VA LC display with clear two-line display and intuitive 3-button operation.
- Reliable circulation pump with flow reduction for adjusted volume flow and constant pressure.
- Energy-efficient refrigeration system: capillary tube technology with speed-controlled inverter compressor and speed-controlled fan – for reduced energy costs and a long service life.
- Environmentally friendly refrigerants: Use of natural refrigerants for sustainable and environmentally conscious cooling.
- Integrated timer with countdown function for time-controlled temperature control processes.
- Intelligent remote control and monitoring: Integrated web server allows flexible remote control in the company network via the LAUDA Command app or browser-based, secured by PKI and 2-factor authentication. The connection to LAUDA.LIVE enables global, cloud-based data analysis and remote maintenance.
- Modern connectivity thanks to standard integrated Ethernet and USB interfaces for reliable data communication.
- Proven safety features: low-level and overheating protection for operation with non-flammable liquids, audible and visual alarm signals.



Reserve technical changes



Working temperature min.
-25 °C



Working temperature max.
100 °C

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Geschäftsführer:
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Beirat: Dr. Gerhard Wobser

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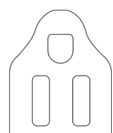
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Technical Features

Working temperature range	-25 ... 100 °C
Operating temperature range	-25 ... 100 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heating capacity range	1.1 ... 1.4 kW
Power consumption max.	1.5 kW
Current max.	12 A
Size of bath (W x D x H)	200 x 300 x 200 mm
Bath opening (WxT)	200 x 300 mm
Bath volume min. / max.	12.8 / 17.1 L
Pump Pressure max.	0,2 bar
Pump flow rate max. (pressure)	15 L/min
Overall dimensions (WxDxH)	310 x 610 x 630 mm
Weight	32 kg
Refrigerant stage 1	R-600a (GWP 3); 0.030 kg; 0.0 t CO ₂ -eq
Power supply	110-127 V; 60 Hz
Power plug	Power cord with plug (NEMA 5-15P)
Certification	NRTL according to UL 61010-1:2012/R:2023-06, UL 61010-2-011:2021, CSA C22.2 No. 61010-1:2012/U3:2023-06, CSA C22.2 No. 61010-2-011:2019, NRTL according to UL 61010-1:2012/R:2023-06, CSA C22.2 No. 61010-1:2012/U3:2023-06, UL 61010-2-010:2019/R:2023-09, CSA C22.2 No. 61010-2-010:2019

Reserve technical changes



Power cord with plug (NEMA 5-15P)

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Temperature	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	Ethanol	0.3 kW
10 °C	Ethanol	0.26 kW
0 °C	Ethanol	0.22 kW
-10 °C	Ethanol	0.14 kW
-20 °C	Ethanol	0.055 kW
-25 °C	Ethanol	0.02 kW

Standard accessories

- 1 Bath cover

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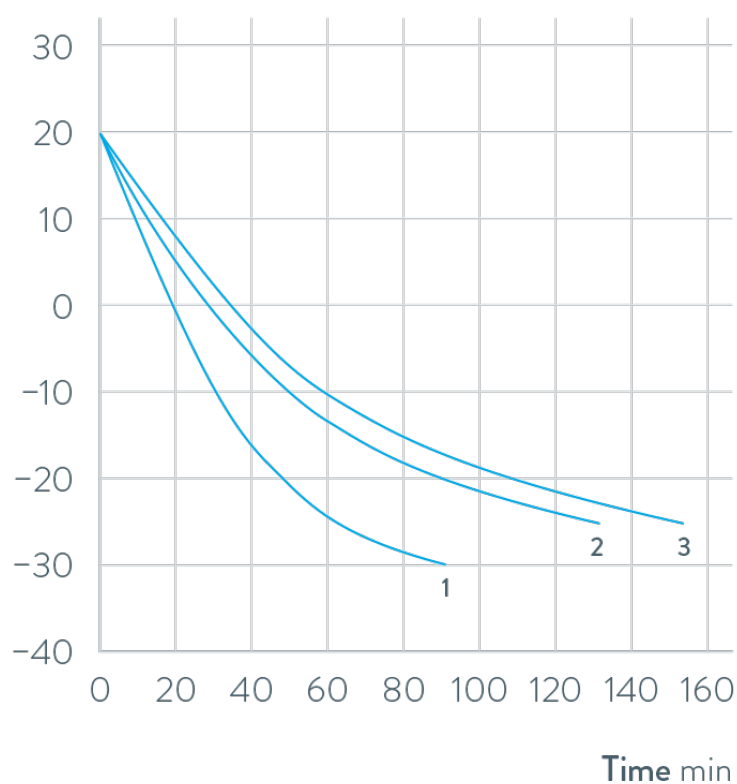
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COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



- 1 U 830 E
- 2 U 1225 E
- 3 U 1625 E

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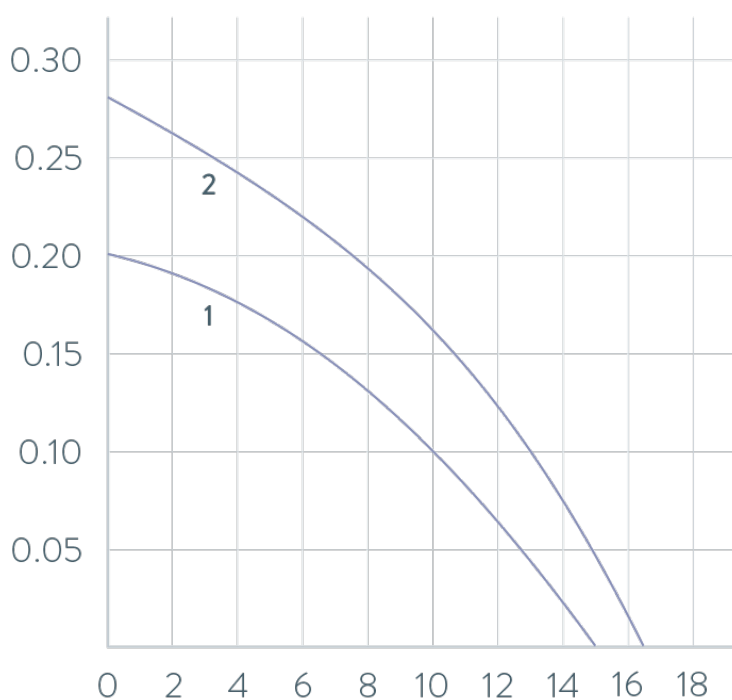
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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



1 50 Hz

2 60 Hz

Flow rate L/min

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