

## PRODUCT DATA SHEET

Published: 2026-03-19

LAUDA Universa U 20 M

Heating thermostat 100-125 V; 50/60 Hz

Part Number: L003863

### Features

- Bath circulation thermostat with advanced electronics ensures precise control accuracy
- Future-proof thanks to modularity: LAUDA Universa with interchangeable control head and heating/cooling base allows flexible adaptation to current and future requirements.
- Clear overview, intuitive operation: The 5-inch colour TFT display simultaneously shows temperature values with a progression graph, offers clear menu navigation in six languages and clear operating status icons - easily controlled via cursor and soft keys.
- Focus on safety: The dedicated Tmax button provides convenient access to the essential overtemperature protection setting during commissioning.
- Flexible pump performance: The Varioflex pump with eight selectable performance levels, adjustable flow rate distribution for internal/external circulation for optimal volume flow and pressure
- Easily accessible front switch on the control head allows the pump output to be adjusted during operation.
- Adaptive bath edge ventilation (patent application): - Prevents icing and condensation - Stops water entering the bath - Blocks vapors to protect electronics. To increase operational safety and extend service life.
- Extensive functionality with programmer, safe mode, calibration options, controller self-adaptation and weekly planner for precise and flexible process control.
- Wireless communication: Integrated WLAN enables effortless connection with PC, tablet and smartphone.
- 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.
- Maximum networking: Comprehensive connectivity for almost any application thanks to standard Ethernet, USB and interface for an external Pt100 as well as eleven optional interface modules.
- Comprehensive safety functions: - Effective over- and under-level protection - Adjustable overtemperature protection with acoustic alarm - Automatic system diagnostics at start-up with alarm and error message display - Smart temperature control media management with automatic limit value adjustment. For reliable operation and improved safety of your valuable samples.



Reserve technical changes

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Registergericht Mannheim • HRB 560226

Geschäftsführer:  
Dr. Gunter Wobser (Vors.), Dr. Mario Englert,  
Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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### Options included

- Integrated Wi-Fi communication: The device may only be imported and used in certified countries and regions: United States of America, Canada, EU including the UK and Switzerland, and India.



Working temperature min.  
65 °C



Working temperature max.  
300 °C

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Working temperature range	65 ... 300 °C
Working temperature range with external cooling	20 ... 300 °C
Operating temperature range	-30 ... 300 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.01 ± K
Heating capacity range	1.4 ... 2.0 kW
Power consumption max.	2 kW
Current max.	16 A
Size of bath (W x D x H)	200 x 200 x 320 mm
Bath opening (WxT)	200 x 200 mm
Bath volume min. / max.	9.5 / 22.0 L
Pump Pressure max.	1,1 bar
Pump flow rate max. (pressure)	32 L/min
In / Outlet connection thread (outside)	M16 x 1
In / Outlet Ø olives	13 mm
Overall dimensions (WxDxH)	280 x 450 x 617 mm
Weight	25 kg
Power supply	100-125 V; 50/60 Hz
Power plug	Power cord with plug (NEMA 5-20P)
Certification	NRTL according to UL 61010-1:2012/R:2023-06, UL 61010-2-010:2019, CSA C22.2 No. 61010-1:2012/U3:2023-06, CSA C22.2 No. 61010-2-010:2019

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Power cord with plug (NEMA 5-20P)

### Standard accessories

- 1 Bath cover
- Pump connection set with M16x1 stainless steel connections
- Cooling coil with M16x1 stainless steel connections
- 2 hose olives 13.5 mm, 2 union nuts

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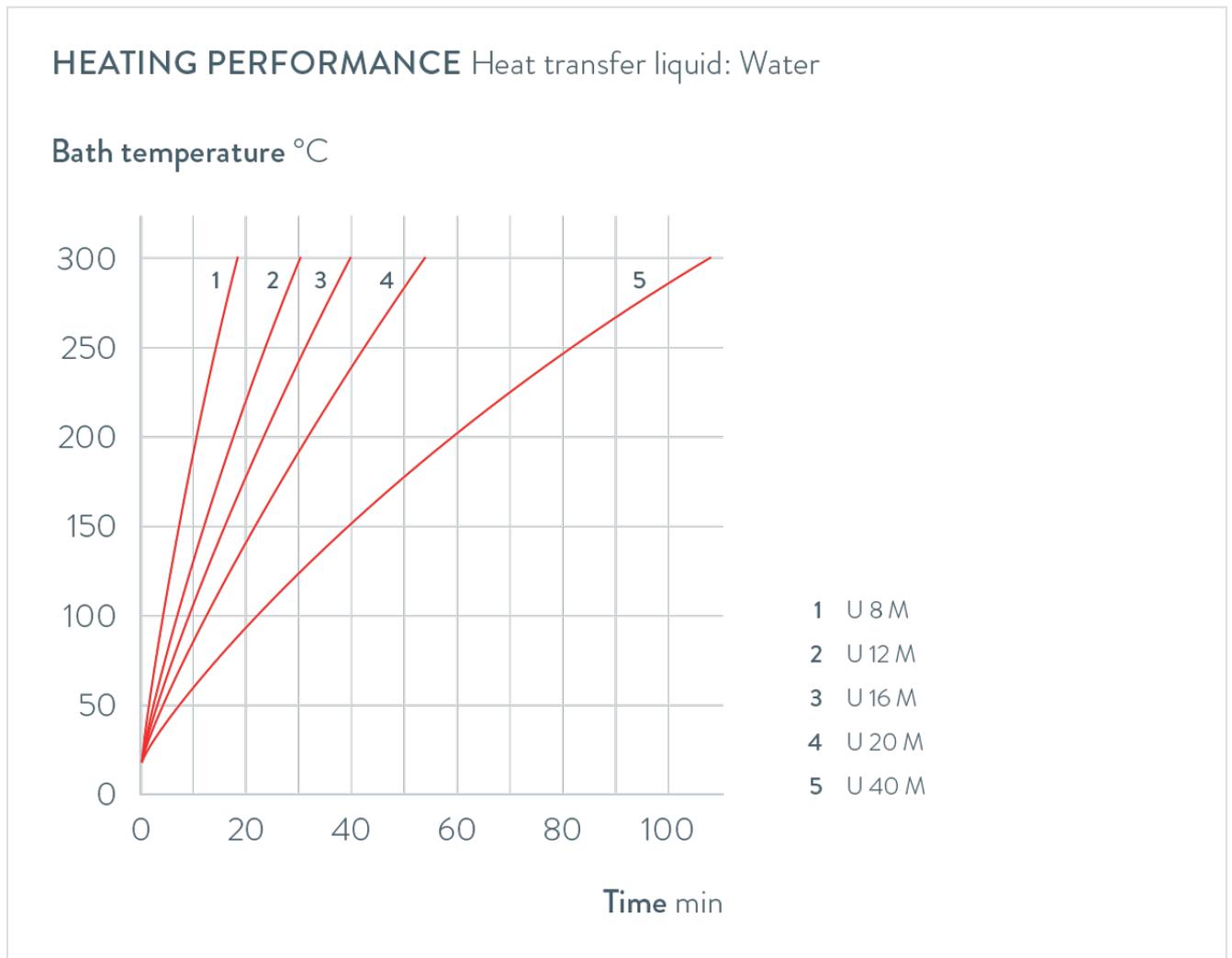
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