PRODUCT DATA SHEET

Published: 2026-10-11

LAUDA Universa U 20 TP
Heating thermostat 200-240 V; 50/60 Hz
Part Number: L004255

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 3,5-inch colour TFT display provides a progression graph, offers a clear menu navigation in six languages and easy to read 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.
- Efficient vario pump with six adjustable performance levels. The flexible flow distribution for internal and external circulation ensures optimum 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.
- Features include programmer, calibration options and weekly scheduler for versatile and precise process control.
- 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.
- Flexible networking: Modern connectivity through integrated Ethernet and USB interfaces as standard, plus eleven optional interface modules for versatile communication solutions.
- Comprehensive safety concept: - Reliable low-level protection with float technology, - Adjustable overtemperature protection with acoustic alarm, - Smart temperature control media management with automatic limit value adjustment. For reliable operation and improved safety of your valuable samples.

Reserve technical changes

Working temperature min.
30 °C

Working temperature max.
100 °C

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WEEE-Reg-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
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Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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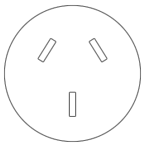
Technical Features	
Working temperature range	30 ... 100 °C
Working temperature range with external cooling	20 ... 100 °C
Operating temperature range	-30 ... 100 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.01 ± K
Heating capacity range	1.9 ... 2.8 kW
Power consumption max.	2.9 kW
Current max.	12 A
Size of bath (W x D x H)	300 x 343 x 160 mm
Bath opening (WxT)	300 x 343 mm
Bath volume min. / max.	13.0 / 19.0 L
Pump Pressure max.	0,6 bar
Pump flow rate max. (pressure)	22 L/min
Overall dimensions (WxDxH)	363 x 513 x 407 mm
Weight	19 kg
Power supply	200-240 V, 50/60 Hz
Power plug	Power cord with plug (GB2099, 15934)

Reserve technical changes



Power cord with plug (GB2099, 15934)

Standard accessories

- Cooling coil with M16x1 stainless steel connections

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Standard accessories

- 2 hose olives 13.5 mm, 2 union nuts

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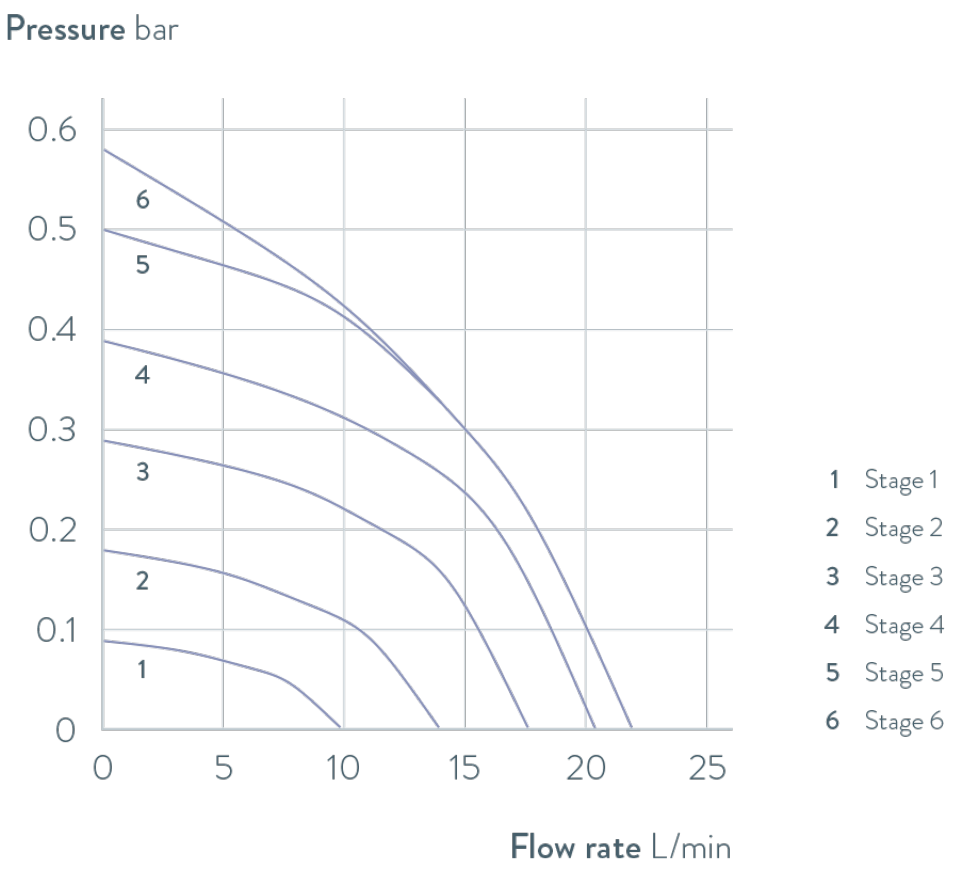
PUMP CHARACTERISTIC Heat transfer liquid: Water



Reserve technical changes

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