

## PRODUCT DATA SHEET

Standing: 2024-10-16

LAUDA Semistat S 4400 w/Purge

Process thermostat

Part Number: L003278

### Features

- Thermoelectric process thermostat with low energy consumption
- With a connection to purge with clean dry air (CDA) to prevent condensation
- Compact overall size and low weight
- Quiet and low vibration level operation due to refrigerant free cooling technology
- Use of perfluorinated fluids
- Extremely low volume of heat transfer liquid
- No filters or DI components required
- Water cooled system



Reserve technical changes



Working temperature min.  
-20 °C



Working temperature max.  
90 °C

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

Kommanditgesellschaft: Sitz Lauda-Königshofen  
Registergericht Mannheim • HRA 560069

Persönlich haftende Gesellschafterin:  
LAUDA DR. R. WOBSEY Verwaltungs-GmbH  
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Registergericht Mannheim • HRB 560226

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	-20 ... 90 °C
Temperature stability	0.1 ± K
Heater power min.	12 kW
Filling volume min.	2.5 L
Filling volume max.	2.8 L
Overall dimensions (WxDxH)	194 x 300 x 560 mm
Weight	38 kg
Power supply	Connection to PSC

Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
20 °C	4.4 kW	4.4 kW
10 °C	3.5 kW	3.5 kW
0 °C	2.6 kW	2.6 kW
-10 °C	1.65 kW	1.65 kW
-20 °C	0.7 kW	0.7 kW
20 °C	4.4 kW	4.4 kW
10 °C	3.5 kW	3.5 kW
0 °C	2.6 kW	2.6 kW
-10 °C	1.65 kW	1.65 kW
-20 °C	0.7 kW	0.7 kW

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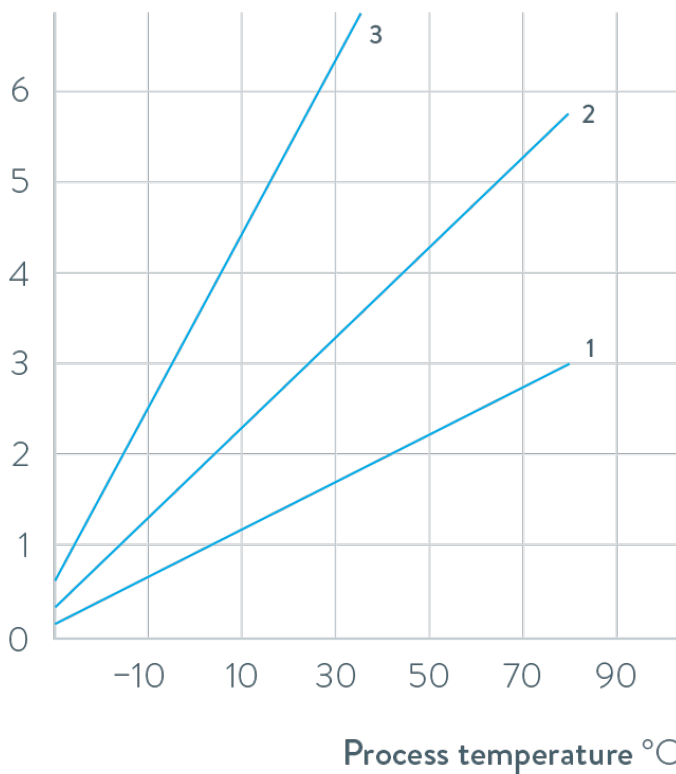
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**COOLING POWER** dependent on process temperature and flow rate of cooling water

Effective cooling power kW



- 3 S 4400
- 2 S 2400
- 1 S 1200

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