

PRODUCT DATA SHEET

Standing: 2024-10-16

LAUDA Semistat S 2400 w/Purge

Process thermostat

Part Number: L003277

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
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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.	6 kW
Filling volume min.	1.25 L
Filling volume max.	1.6 L
Overall dimensions (WxDxH)	116 x 300 x 560 mm
Weight	27 kg
Net Weight	26.81 kg
Power supply	Connection to PSC

Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
20 °C	2.45 kW	2.45 kW
10 °C	1.93 kW	1.93 kW
0 °C	1.4 kW	1.4 kW
-10 °C	0.88 kW	0.88 kW
-20 °C	0.2 kW	0.2 kW
20 °C	2.45 kW	2.45 kW
10 °C	1.93 kW	1.93 kW
0 °C	1.4 kW	1.4 kW
-10 °C	0.88 kW	0.88 kW
-20 °C	0.2 kW	0.2 kW

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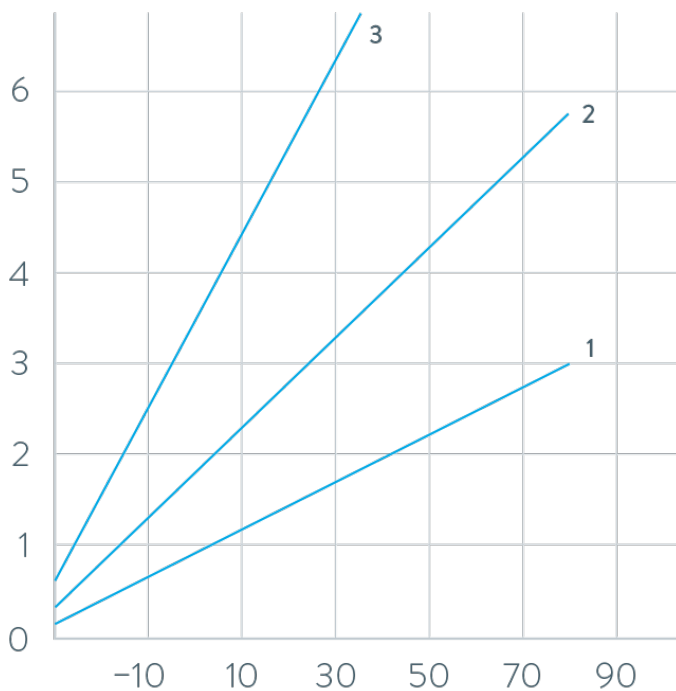
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COOLING POWER dependent on process temperature and flow rate of cooling water

Effective cooling power kW



3 S 4400
2 S 2400
1 S 1200

Process temperature °C

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