

PRODUCT DATA SHEET

Standing: 2022-08-07

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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Geschäftsführer:
Dr. Gunther Wobser (Vors.), Dr. Mario Englert,
Dr. Ralf Hermann, 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

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