

PRODUCT DATA SHEET

Kryoheater Selecta 2190 W

LAUDA process thermostats of the Kryoheater Selecta (KHS) series ensure high-performance temperature control at high energy efficiency and reliability. The compact device construction provides a long service life and maintenance friendliness. Corresponding to the lowest working temperature, two-stage compressors (up to -60 °C) and/or cascade cooling systems (up to -90 °C) are used. The condenser is cooled by means of cooling water. The cooling capacity is controlled continuously and precisely by injection control. A step switch ensures energy-saving and low-wear partial load operation using an automatic compressor system. By means of the electric heating, Kryoheater Selecta can cover an operating temperature of up to 200 °C.



Working temperature min.
-90 °C



Working temperature max.
200 °C

Technical Attributes

Kryoheater Selecta 2190 W

Working temperature min.	-90 °C
Working temperature max.	200 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.5 ±K
Filling volume min.	15 L
Filling volume expansion vessel	40 L
Heater power	18 kW
Cooling output at 20 °C	21 kW
Cooling output at 0 °C	18 kW
Cooling output at -20 °C	11 kW
Cooling output at -40 °C	10 kW
Cooling output at -50 °C	9.5 kW
Cooling output at -60 °C	9 kW
Cooling output at -70 °C	6.3 kW

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

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Kryoheater Selecta 2190 W

Technical Attributes	Kryoheater Selecta 2190 W
Cooling output at -80 °C	3.5 kW
Power consumption	32.8 kW
Interface(s)	USB
Noise level	68 dB(A)
Pump connection thread	DN 25
Pump pressure max.	5.5 bar
Pump flow max. (pressure)	85 L/min
Dimensions (WxDxH) in mm	920x1200x1700

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