

The right temperature worldwide

LAUDA

High performance for tight budgets:
LAUDA Alpha



NEW


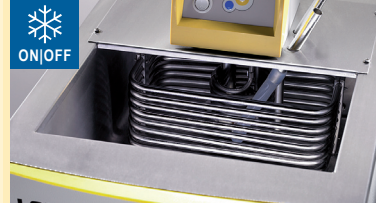


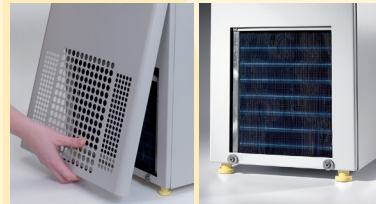
Reliable technology
Modern design
Favourable price

LAUDA Alpha
Product information

LAUDA Alpha

for cost effective temperature control in the laboratory with operating temperatures from -25 up to 85 °C

Easy, clever and flexible – the new LAUDA Alpha

	Feature	Benefit
	<ul style="list-style-type: none"> + 3-keys operation with large and brilliant LED display 	<ul style="list-style-type: none"> + Simple and intuitive menu navigation – easy to read parameters from the distance
	<ul style="list-style-type: none"> + Automatic compressor control supplies strong cooling output up to 0,425 kW only when needed 	<ul style="list-style-type: none"> + Cost saving operation – no unnecessary power consumption
	<ul style="list-style-type: none"> + Alpha immersion thermostat with screw clamp 	<ul style="list-style-type: none"> + Suitable for all kind of baths, screw clamp as standard
	<ul style="list-style-type: none"> + Pump reduction for reducing the flow rate from 15 to 5 L/min as standard 	<ul style="list-style-type: none"> + Strong circulation in large baths, smooth circulation in small baths. Suitable for external applications
	<ul style="list-style-type: none"> + Easy to remove front panel via handholds (without screws, no tools necessary) 	<ul style="list-style-type: none"> + Simple cleaning of condenser – reduces service and maintenance cycles

The control head with its 3 button operation and large, easy to read LED display are common to all this range. The thermostats are suitable for use with non-flammable liquids (water, water/glycol mixtures). Both internal and external thermostating can be reliably undertaken in the temperature range of between -25 and 85 °C with the new LAUDA Alpha range. 1-point calibration of the thermostats can be performed by the user. Safety functions such as alarms, warnings and malfunctions are indicated on the LED display.

The Alpha range at a glance



Alpha immersion thermostat

The immersion thermostat A can be used for any bath by means of the screw clamp included in the scope of delivery. Using the optional pump circulation set and a cooling coil, the immersion thermostat can be expanded to form a fully-fledged thermostating system.

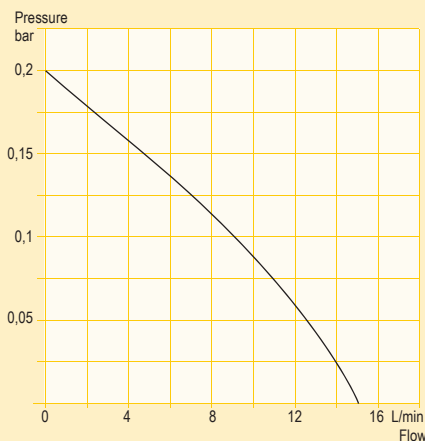
Alpha heating thermostats from 25 up to 85 °C

The immersion thermostat and the heating thermostats A 6, A 12 and A 24 operate in the temperature range between 25 and 85 °C. As in the case of the immersion thermostats, a cooling coil and pump circulation set are available as optional accessories.

Alpha cooling thermostats from -25 up to 85 °C

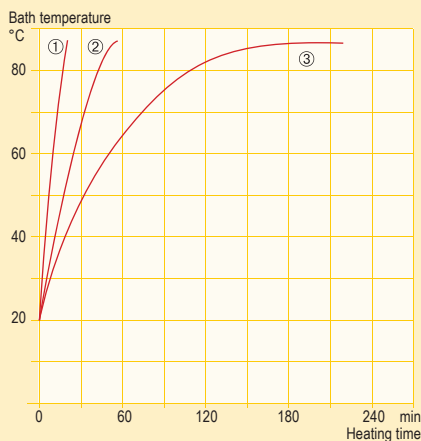
The cooling thermostats RA 8, RA 12 and RA 24 offer bath capacities of between 8 and 24 litres. The automatic compressor system enables cooling to perform through the entire temperature range of -25 to 85 °C. A drain connection on the rear side of the devices makes emptying the heat transfer liquid a simple job. Bath covers and pump kits are included in the standard equipment.

Pump characteristics
Measured with water



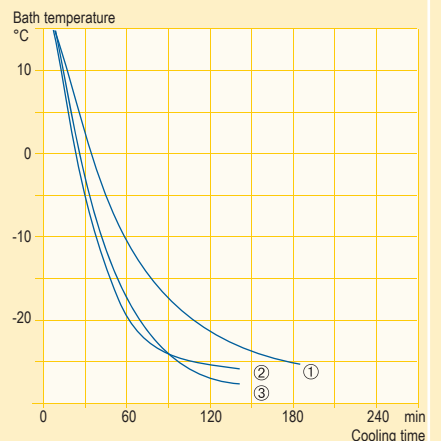
Heating Curves
Heat transfer liquid: water

- ① A 6
- ② A 12
- ③ A 24



Cooling Curves
Heat transfer liquid: ethanol

- ① RA 24
- ② RA 12
- ③ RA 8



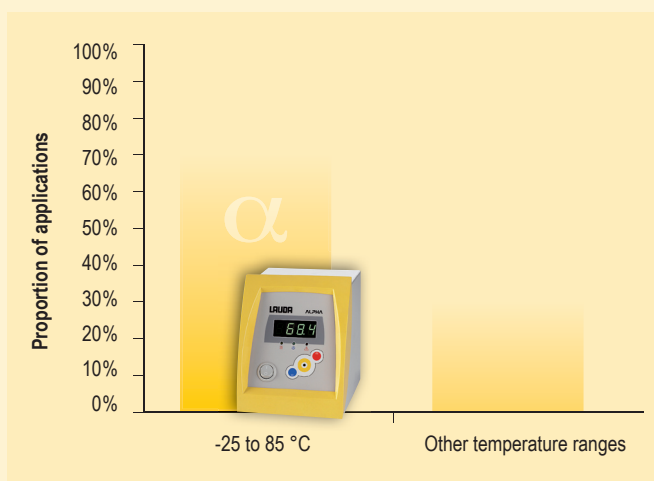
LAUDA Alpha – the economical choice for getting into the world of high quality LAUDA thermostats. For straightforward thermostating tasks from -25 up to 85 °C over a wide range of applications.



Technical features		Immersion thermostat	Heating thermostats			Cooling thermostats		
		A	A 6	A 12	A 24	RA 8	RA 12	RA 24
Working temperature range	°C	25...85	25...85	25...85	25...85	-25...85	-25...85	-25...85
Temperature stability	+/-K	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Heater power max. 230V / 115V / 100V	kW	1,5/1.15/1.0	1,5/1.15/1.0	1,5/1.15/1.0	1,5/1.15/1.0	1,5/1.15/1.0	1,5/1.15/1.0	1,5/1.15/1.0
Cooling output at 20 °C	kW	-	-	-	-	0.225	0.325	0.425
Pump pressure max.	bar	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Pump flow max.*	L/min	15	15	15	15	15	15	15
Bath volume	L	-	2.5...5.5	8...12	18...25	5...7.5	9.5...14.5	14...22
Bath opening	mm	-	145x161	235x161	295x374	165x190	300x190	350x290
Bath depth	mm	-	150	200	200	160	160	160
Cat. No. 230 V; 50/60 Hz		LCE* 0226	LCB* 0733	LCB* 0734	LCB* 0735	LCK* 1907	LCK* 1908	LCK* 1909
Cat. No. 115 V; 60 Hz		LCE* 4226	LCB* 4733	LCB* 4734	LCB* 4735	LCK* 4907	LCK* 4908	LCK* 4909
Cat. No. 100 V; 50/60 Hz		LCE* 6226	LCBC 6733	LCB* 6734	LCB* 6735	LCK* 6907	LCK* 6908	LCK* 6909

*reducible to 5 L/min

With the newly designed LAUDA Alpha range our customers have access to high-quality temperature control equipment with a modern state-of-the-art design. By reducing functionality to the essentials, focussing on reliability and user-friendliness, LAUDA is able to provide the most economical price-performance ratio in this class. The use of high-quality components and materials, for example stainless steel for the baths, guarantee robust cooling and heating thermostats with a long operating life.



The temperature range from -25 to 85 °C covers the larger part of all basic thermostatic applications inside laboratories. This is exactly the working temperature range of the new LAUDA Alpha.

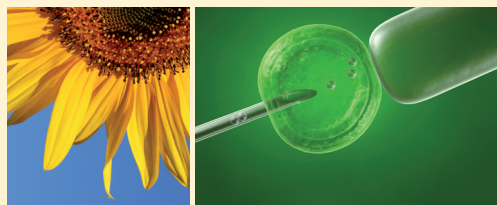
Typical fields of application



Sample preparation for chemical/pharmaceutical analysis, quality control



Precise temperature control in sensitive areas such as medical serology



Versatile thermostating tasks in the field of biotechnology



Accessories Alpha

Heat transfer liquids

Heat transfer liquids Cat. No.	Designation	Temperature range °C	Packing Unit
LZB 120	Aqua 90	5...90	5 L
LZB 220	Aqua 90	5...90	10 L
LZB 320	Aqua 90	5...90	20 L
LZB 109	Kryo 30	-30...90	5 L
LZB 209	Kryo 30	-30...90	10 L
LZB 309	Kryo 30	-30...90	20 L

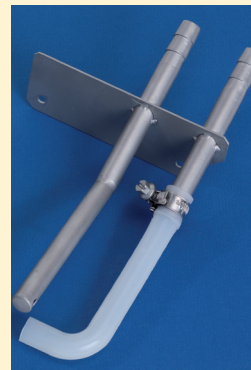


Pump circulation set

For thermostating of external applications

Cat. No.	Designation
LCZE 005	Pump circulation set

For all Alpha heating thermostats



Cooling coil

For additional cooling of heating baths
by means of cold water

Cat. No.	Designation
LCZE 004	Cooling coil

For all Alpha heating thermostats



Request your free copies of the extensive LAUDA accessories and heat transfer liquid brochures.

Thermostats · Circulation chillers · Water baths · Heating and Cooling Systems · Viscometers · Tensiometers