


The right temperature worldwide

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We Enable Science

High performance for tight budgets:  
**LAUDA Alpha**



**NEW**

Reliable technology  
Modern design  
Favourable price

**LAUDA Alpha**  
Product information

# LAUDA Alpha

Heating and cooling thermostats for cost-effective thermostating in the laboratory at temperatures from -25 up to 100 °C



## Application examples

- Sample preparation for chemico-pharmaceutical analysis
- Quality control
- Precise temperature control in sensitive areas such as medical serology
- Versatile thermostating tasks in the field of biotechnology

## Reliable technology, modern design, favorable price

**LAUDA Alpha** is the cost-effective choice in the area of high-quality LAUDA thermostats. The temperature range from -25 to 100 °C covers the larger part of all basic thermostatic applications within the laboratory. This is exactly the working temperature range of the LAUDA Alpha. This well-priced equipment range is made possible

by minimizing any unnecessary features, with the focus on reliability and user-friendliness. The thermostats are suitable for operation with non-flammable liquids (water, water/glycol) and for both internal and external thermostating tasks. A 1-point-calibration of the thermostats can be carried out by the user.

# Your advantages at a glance

+	The Alpha advantages	Your benefits
	<ul style="list-style-type: none"> <li>• 3-button operation with large, clearly legible LED display</li> <li>• Low level protection with acoustic and visual alarm</li> <li>• Timer function integrated</li> </ul>	<ul style="list-style-type: none"> <li>• Easy and intuitive menu navigation</li> <li>• Easily legible display values</li> <li>• Automatic shut-off of heater and pump when level of heat transfer liquid is too low</li> <li>• Automatic shut-down (stand-by) after preset time</li> </ul>
	<ul style="list-style-type: none"> <li>• Automatic compressor control supplies strong cooling output only when needed – up to 425 W</li> </ul>	<ul style="list-style-type: none"> <li>• Cost-effective operation</li> <li>• No unnecessary energy consumption</li> <li>• Equipment-saving principle extends the life of the compressor</li> </ul>
	<ul style="list-style-type: none"> <li>• Alpha immersion and heating thermostats with screw clamp</li> </ul>	<ul style="list-style-type: none"> <li>• Easy to change to different bath vessels with a wall thickness of up to 30 mm</li> </ul>
	<ul style="list-style-type: none"> <li>• Variable flow rates via inserts and fittings</li> </ul>	<ul style="list-style-type: none"> <li>• The rate of circulation can be adapted to the size of the bath</li> </ul>
	<ul style="list-style-type: none"> <li>• Removal of the front cover without tools</li> </ul>	<ul style="list-style-type: none"> <li>• Easy cleaning of the cool air inlet</li> <li>• Extended maintenance intervals</li> </ul>

# LAUDA Alpha

## Alpha Immersion thermostat

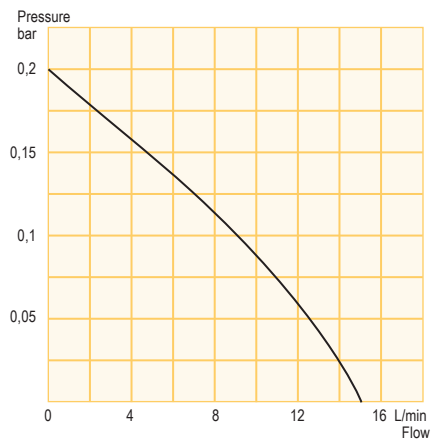
The immersion thermostat A can be used for any bath with a wall thickness of up to 30 mm by means of the screw clamp included in the scope of delivery. Using the additional pump circulation set and a cooling coil, the immersion thermostat can be expanded to form a full-fledged thermostating system.



Immersion thermostat A



**Pump characteristic** Heat transfer liquid: Water



**Temperature range**  
25...100 °C

**Included accessories**  
Screw clamp · fitting in 2 sizes

**Additional accessories**  
Pump circulation set · cooling coil



Technical features		A
Working temperature range	°C	25...100
Temperature stability	±K	0.05
Heater power	kW	1.5
Pump pressure max.	bar	0.2
Pump flow max.*	L/min	15
<b>Cat. No.</b> 115V; 60Hz		<b>97039-880</b>

\* Reducible to 5 L/min

# Alpha Heating thermostats

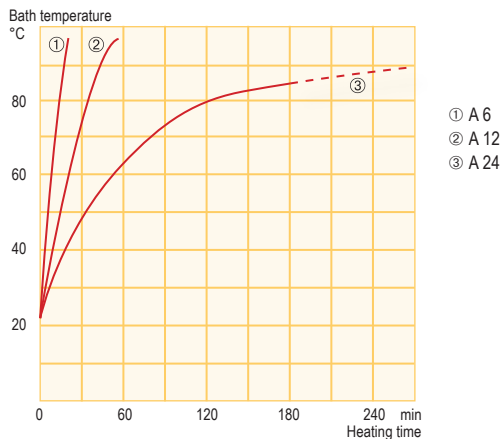
The heating thermostats A 6, A 12 and A 24 operate in the temperature range between 25 and 100 °C. As in the case of the immersion thermostats, a cooling coil and pump circulation set as well as a bath cover set are available as optional accessories.



Heating thermostat A 12 with cooling coil (accessory)



## Heating curves Heat transfer liquid: Water, bath closed



- ① A 6
- ② A 12
- ③ A 24

**Temperature range**  
25...100 °C

**Included accessories**  
Screw clamp · fitting in 2 sizes

**Additional accessories**  
Pump circulation set · cooling coil · bath cover set



Technical features		A 6	A 12	A 24
Working temperature range	°C	25*...100	25*...100	25*...100
Temperature stability	±K	0.05	0.05	0.05
Heater power	kW	1.5	1.5	1.5
Pump pressure max.	bar	0.2	0.2	0.2
Pump flow max.	L/min	15	15	15
Bath volume	L	2.5...5.5	8...12	18...25
Bath opening	mm	145x161	235x161	295x374
Bath depth	mm	150	200	200
Cat. No. 115V; 60Hz		97039-882	97039-884	97039-886

\* With open bath

# LAUDA Alpha

## Alpha Cooling thermostats

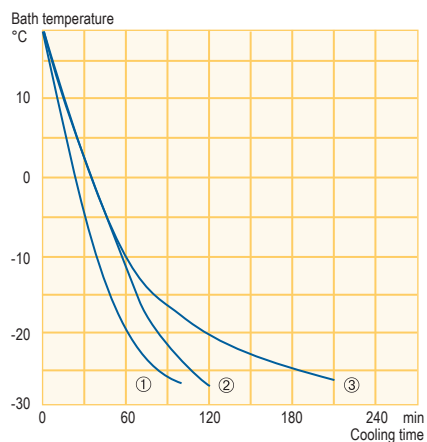
The cooling technology of the cooling thermostats RA 8, RA 12 and RA 24 enables cooling performance through the entire temperature range of -25 up to 100 °C. Emptying the heat transfer liquid is done by a drain connection on the rear side of the devices. Bath covers and pump kits are included in the standard equipment.



Cooling thermostat RA 24



**Cooling curves** Heat transfer liquid: Ethanol, bath closed

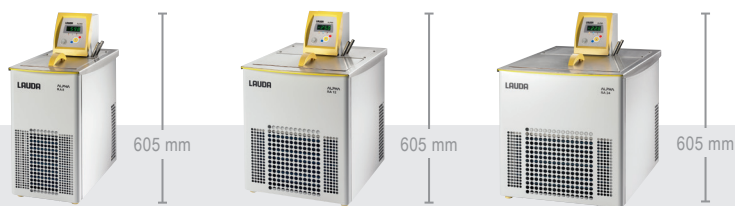


① RA 8  
② RA 12  
③ RA 24

**Temperature range**  
-25...100 °C

**Included accessories**  
Pump circulation set · bath cover · pump link for pump connections

**Additional accessories**  
Racks · tubings



Technical features		RA 8	RA 12	RA 24
Working temperature range*	°C	-25...100	-25...100	-25...100
Temperature stability	±K	0.05	0.05	0.05
Heater power	kW	1.5	1.5	1.5
Cooling output at 20 °C	kW	0.225	0.325	0.425
Pump pressure max.	bar	0.2	0.2	0.2
Pump flow max.	L/min	15	15	15
Bath volume	L	5...7.5	9.5...14.5	14...22
Bath opening	mm	165x177	300x203	350x277
Bath depth	mm	160	160	160
<b>Cat. No.</b> 115V; 60Hz		<b>97039-888</b>	<b>97039-890</b>	<b>97039-892</b>

\* Working temperature range is equal to ACC range

Do you have questions about this product? **Contact your VWR sales representative for more info.**



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