

Heating and Cooling Thermostats ECO, LAUDA

Both control heads, designated ECO Silver and ECO Gold, have a powerful circulating pump with a more than 30 percent higher pump capacity compared to the predecessor models. A menu navigation in plain text allows easy operation of the devices. Both control heads are equipped with a mini-USB interface as standard. Further interfaces are available as modules. All cooling thermostats are available as air or water-cooled variants.

- Operation via cursor and softkeys
- Simultaneous display of set and actual temperature, navigation in plain text
- Overtemperature setting via display
- Safety class III, FL for flammable liquids
- 1-point calibration by the user
- Vario pump with six levels, flow rate switch for internal or external circulation
- Mini-USB interface as standard

LAUDA ECO immersion thermostats

	Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Flow rate l/min	Pump pressure bar	Order No.
①	Silver	20 – 150	0.01	1.3	22	0.55	10 23 30277
②	Gold	20 – 200	0.01	2.6	22	0.55	10 23 30228

Accessories for immersion and heating thermostats Silver and Gold

Cooling coil sets

For cooling of heating baths

Article	Order No.
Cooling coil set small suitable for ECO Silver, ECO Gold, baths up to 6 litres	10 23 30720
Cooling coil set for ET 15 suitable for ET 15 S, ET 15 G	10 23 30719

Baths

There is a series of transparent baths in order to view the objects being subjected to thermostating. The insulated baths made from stainless steel are equipped with a built drain tap. LAUDA baths are also well-suited for operation with older immersion thermostats from LAUDA or from other manufacturers.

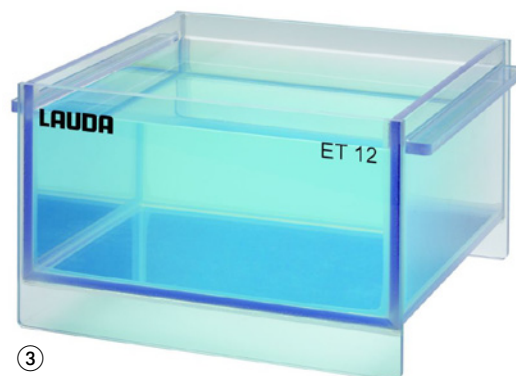
	Type	Material	Bath vol. l	Bath opening W x D mm	Bath depth mm	Order No.
③	6 T	Polycarbonate up to 100°C	6	130×420	160	10 23 30703
	12 T	Polycarbonate up to 100°C	12	300×315	160	10 23 30704
	15 T	Polycarbonate up to 100°C	15	416×130	310	10 23 30705
	20 T	Polycarbonate up to 100°C	20	300×490	160	10 23 30706
	B 4	Stainless steel up to 200°C	3.5	135×240	150	10 23 30707
④	B 10	Stainless steel up to 200°C	11	300×329	150	10 23 30708
	B 15	Stainless steel up to 200°C	16	300×329	200	10 23 30709
	B 20	Stainless steel up to 200°C	19	300×505	150	10 23 30710
	B 25	Stainless steel up to 200°C	25	300×505	200	10 23 30711
	B 40	Stainless steel up to 200°C	40	300×750	200	10 23 30712

LAUDA ECO heating thermostats with transparent bath

Types ET XX S are equipped with control head Silver, types ET XX G are equipped with control head Gold. All devices except the ET 15 S and ET 15 G are equipped with a cooling coil as standard. ET 15 S and ET 15 G are equipped with pump connections* as standard.

	Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Bath vol. l	Bath opening W x D mm	Bath depth mm	Order No.
⑤	ET 6 S	20 – 100	0.01	1.3	6	130×285	160	10 23 30096
	ET 12 S	20 – 100	0.01	1.3	12	300×175	160	10 23 30286
	ET 15 S	20 – 100	0.01	1.3	15	275×130	310	10 23 30288
	ET 20 S	20 – 100	0.01	1.3	20	300×350	160	10 23 30290
	ET 6 G	20 – 100	0.01	2.6	6	130×285	160	10 23 30097
	ET 12 G	20 – 100	0.01	2.6	12	300×175	160	10 23 30287
	ET 15 G	20 – 100	0.01	2.6	15	275×130	310	10 23 30289
	ET 20 G	20 – 100	0.01	2.6	20	300×350	160	10 23 30291

* Silver: 13 mm plastic nipples, Gold: M16×1 thread



LAUDA ECO heating thermostats with stainless steel bath

Types E XX S are equipped with control head Silver, types E XX G are equipped with control head Gold. All heating thermostats are equipped with a cooling coil as standard. E 4 S and E 4 G are equipped with a bath cover and pump connections* additionally.

Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Bath vol. l	Bath opening W x D mm	Bath depth mm	Order No.
E 4 S	20 – 150	0.01	1.3	3.5	135x105	150	10 23 30736
E 10 S	20 – 150	0.01	1.3	11	300x190	150	10 23 30738
E 15 S	20 – 150	0.01	1.3	16	300x190	200	10 23 30740
⑥ E 20 S	20 – 150	0.01	1.3	19	300x365	150	10 23 30742
E 25 S	20 – 150	0.01	1.3	25	300x365	200	10 23 30744
E 40 S	20 – 150	0.01	1.3	40	300x613	200	10 23 30746
⑦ E 4 G	20 – 200	0.01	2.6	3.5	135x105	150	10 23 30737
E 10 G	20 – 200	0.01	2.6	11	300x190	150	10 23 30739
E 15 G	20 – 200	0.01	2.6	16	300x190	200	10 23 30741
E 20 G	20 – 200	0.01	2.6	19	300x365	150	10 23 30743
E 25 G	20 – 200	0.01	2.6	25	300x365	200	10 23 30745
E 40 G	20 – 200	0.01	2.6	40	300x613	200	10 23 30747

* Silver: 13 mm plastic nipples, Gold: M16x1 thread

Accessories for immersion and heating thermostats Silver and Gold

Pump connection sets for thermostating of external applications

Article	Order No.
Pump connection set	10 23 30716
with 13 mm plastic nipples and closing plugs	
Pump connection set	10 23 30717
with 16x1 stainless steel connections, screw caps and 13 mm nipples	
Bath cover made of stainless steel, one piece with handle	10 23 30133
suitable for E 10, E 15	
Bath cover made of stainless steel, one piece with handle	10 23 30134
suitable for E 20, E 25	
Bath cover made of stainless steel, three pieces with handle	10 23 30718
suitable for E 40	

LAUDA ECO cooling thermostats - air cooled

Types RE XXXX S are equipped with control head Silver, types RE XXXX G are equipped with control head Gold. All cooling thermostats are equipped with bath cover and pump connections* as standard.

Type	Temp. range °C	Temp. accur. ± K	Heater power kW	Cooler power kW	Bath vol. l	Bath opening W x D mm	Bath depth mm	Order No.
⑧ RE 415 S	-15 – 150	0.02	1.3	0.18	4	130x105	160	10 23 31910
RE 420 S	-20 – 150	0.02	1.3	0.2	4	130x105	160	10 23 31912
RE 620 S	-20 – 150	0.02	1.3	0.2	5.7	150x130	160	10 23 31914
RE 630 S	-30 – 150	0.02	1.3	0.3	5.7	150x130	160	10 23 31916
RE 1050 S	-50 – 150	0.02	1.3	0.7	10	200x200	160	10 23 31918
RE 1225 S	-25 – 150	0.02	1.3	0.3	12	200x200	200	10 23 31920
RE 2025 S	-25 – 150	0.02	1.3	0.3	20	300x350	160	10 23 31922
RE 415 G	-15 – 200	0.02	2.6	0.18	4	130x105	160	10 23 31911
RE 420 G	-20 – 200	0.02	2.6	0.2	4	130x105	160	10 23 31913
RE 620 G	-20 – 200	0.02	2.6	0.2	5.7	150x130	160	10 23 31915
RE 630 G	-30 – 200	0.02	2.6	0.3	5.7	150x130	160	10 23 31917
⑨ RE 1050 G	-50 – 200	0.02	2.6	0.7	10	200x200	160	10 23 31919
RE 1225 G	-25 – 200	0.02	2.6	0.3	12	200x200	200	10 23 31921
RE 2025 G	-25 – 200	0.02	2.6	0.3	20	300x350	160	10 23 31923

* Silver: 13 mm plastic nipples, Gold: M16x1 thread



LAUDA ECO cooling thermostats - water cooled

Types RE XXXX S are equipped with control head Silver, types RE XXXX G are equipped with control head Gold. All cooling thermostats are equipped with bath cover and pump connections* as standard.

Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Cooler power kW	Bath vol. l	Bath opening W × D mm	Bath depth mm	Order No.
RE 415 SW	-15 – 150	0.02	1.3	0.18	4	130×105	160	10 23 31924
RE 420 SW	-20 – 150	0.02	1.3	0.2	4	130×105	160	10 23 31926
RE 620 SW	-20 – 150	0.02	1.3	0.2	5.7	150×130	160	10 23 31928
RE 630 SW	-30 – 150	0.02	1.3	0.3	5.7	150×130	160	10 23 31930
RE 1050 SW	-50 – 150	0.02	1.3	0.7	10	200×200	160	10 23 31932
RE 1225 SW	-25 – 150	0.02	1.3	0.3	12	200×200	200	10 23 31934
RE 2025 SW	-25 – 150	0.02	1.3	0.3	20	300×350	160	10 23 31936
RE 415 GW	-15 – 200	0.02	2.6	0.18	4	130×105	160	10 23 31925
RE 420 GW	-20 – 200	0.02	2.6	0.2	4	130×105	160	10 23 31927
RE 620 GW	-20 – 200	0.02	2.6	0.2	5.7	150×130	160	10 23 31929
RE 630 GW	-30 – 200	0.02	2.6	0.3	5.7	150×130	160	10 23 31931
RE 1050 GW	-50 – 200	0.02	2.6	0.7	10	200×200	160	10 23 31933
RE 1225 GW	-25 – 200	0.02	2.6	0.3	12	200×200	200	10 23 31935
RE 2025 GW	-25 – 200	0.02	2.6	0.3	20	300×350	160	10 23 31937

* Silver: 13 mm plastic nipples, Gold: M16×1 thread

LAUDA ECO cooling thermostats - air cooled with natural refrigerant

Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Cooler cap. at 20°C kW	Bath vol. l	Bath opening W × D mm	Bath depth mm	Order No.
RE 420 SN	-20 – 150	0.02	1.3	0.2	4	130×105	160	10 23 31940
RE 620 SN	-20 – 150	0.02	1.3	0.2	5.7	150×130	160	10 23 31942
RE 630 SN	-30 – 150	0.02	1.3	0.3	5.7	150×130	160	10 23 31944
RE 1050 SN	-50 – 150	0.02	1.3	0.7	10	200×200	160	10 23 31946
RE 1225 SN	-25 – 150	0.02	1.3	0.3	12	200×200	200	10 23 31948
RE 2025 SN	-25 – 150	0.02	1.3	0.3	20	300×350	160	10 23 31950
RE 420 GN	-20 – 200	0.02	2.6	0.2	4	130×105	160	10 23 31941
RE 620 GN	-20 – 200	0.02	2.6	0.2	5.7	150×130	160	10 23 31943
RE 630 GN	-30 – 200	0.02	2.6	0.3	5.7	150×130	160	10 23 31945
RE 1050 GN	-50 – 200	0.02	2.6	0.7	10	200×200	160	10 23 31947
RE 1225 GN	-25 – 200	0.02	2.6	0.3	12	200×200	200	10 23 31949
RE 2025 GN	-25 – 200	0.02	2.6	0.3	20	300×350	160	10 23 31951

LAUDA ECO cooling thermostats - water cooled with natural refrigerant

Type	Temp. range °C	Temp. accur. ± K	Heater cap. kW	Cooler cap. at 20°C kW	Bath vol. l	Bath opening W × D mm	Bath depth mm	Order No.
RE 620 SWN	-20 – 150	0.02	1.3	0.2	5.7	150×130	160	10 23 31956
RE 630 SWN	-30 – 150	0.02	1.3	0.3	5.7	150×130	160	10 23 31958
RE 1050 SWN	-50 – 150	0.02	1.3	0.7	10	200×200	160	10 23 31960
RE 1225 SWN	-25 – 150	0.02	1.3	0.3	12	200×200	200	10 23 31962
RE 2025 SWN	-25 – 150	0.02	1.3	0.3	20	300×350	160	10 23 31964
RE 420 GWN	-20 – 200	0.02	2.6	0.2	4	130×105	160	10 23 31955
RE 620 GWN	-20 – 200	0.02	2.6	0.2	5.7	150×130	160	10 23 31957
RE 630 GWN	-30 – 200	0.02	2.6	0.3	5.7	150×130	160	10 23 31959
RE 1050 GWN	-50 – 200	0.02	2.6	0.7	10	200×200	160	10 23 31961
RE 1225 GWN	-25 – 200	0.02	2.6	0.3	12	200×200	200	10 23 31963
RE 2025 GWN	-25 – 200	0.02	2.6	0.3	20	300×350	160	10 23 31965

Accessories for immersion, heating and cooling thermostats Silver and Gold

Interfaces as modules

Article	Order No.
Analogue module	10 23 30912
RS 232/485 interface	10 23 30913
Contact module with 1 input and 1 output (NAMUR)	10 23 30914
Contact module with 3 inputs and 3 outputs	10 23 30915
Profibus module	10 23 30917
Pt100/LiBus module	10 23 30918

