LAUDA Proline bridge thermostats

Bridge thermostats 30 to 300 °C
for temperature control of any bath

30 °C ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ 300 °C
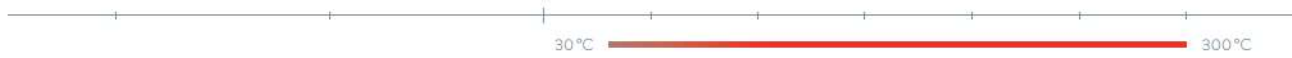
Intuitive operation with broad temperature range

The LAUDA Proline bridge thermostats with vario flex pump are great for temperature control of any bath vessel. The PB models have a pressure/suction pump, but the PBD models are equipped with stronger pressure pumps. They enable temperature control on deeper baths of up to 320 mm. A telescoping rod for baths with a width of 310 to 550 mm, an ergonomic handle and side pump connections are also available.
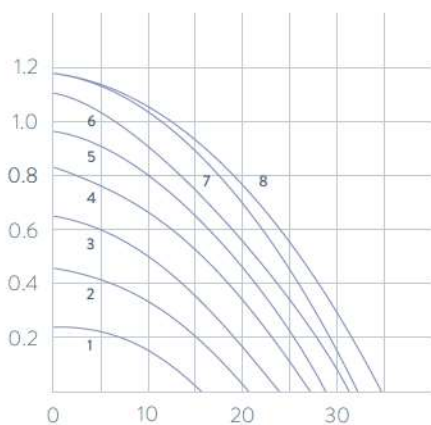

Extendable telescoping rods for placement on baths with widths of 310 to 550 mm

Removable Command remote control unit for easy and intuitive operation

PUMP CHARACTERISTICS for PBD and PBD C, Liquid: Water

Pressure bar

1	Step 1
2	Step 2
3	Step 3
4	Step 4
5	Step 5
6	Step 6
7	Step 7
8	Step 8

Pump flow L/min

Important functions
- Programmer with 150 temperature/time segments and graphical temperature display with Command control unit
- PowerAdapt system for optimally adapted max. heating output without influencing the mains power supply
- Low-level protection and adjustable overtemperature protection with acoustic alarm. Float for identifying low or high level

Included accessories
Tubing nipples for pump connection, telescoping rod

Further accessories
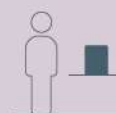Automatic filling device, bath vessels, interface modules

All technical data and power supply variants can be found in the ›Technical data‹ section.

More at **www.lauda.de/1730**

Heating thermostats

Cooling thermostats

Circulation and process thermostats

Circulation chillers

Calibration thermostats

Deep-freezers

Shakers

Stills

Accessories

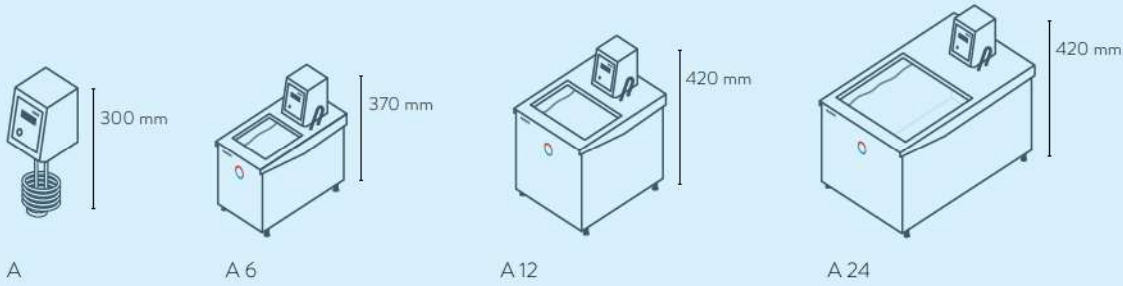**LAUDA Proline bridge thermostats**

LAUDA Proline bridge thermostats are available with two different control units. The master version is designed for all applications in which the parameters are not changed very often. The removable Command operating unit offers a graphic LCD screen for high operating convenience and an additional programer.
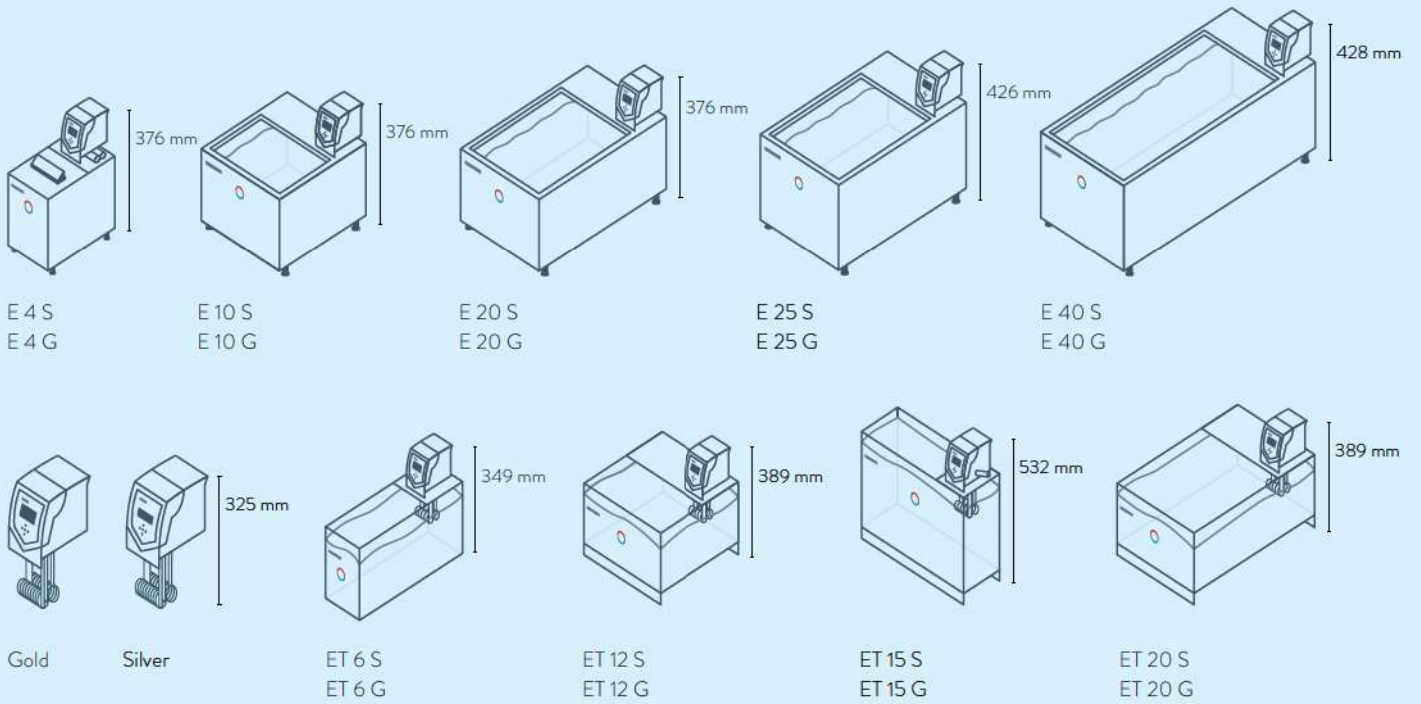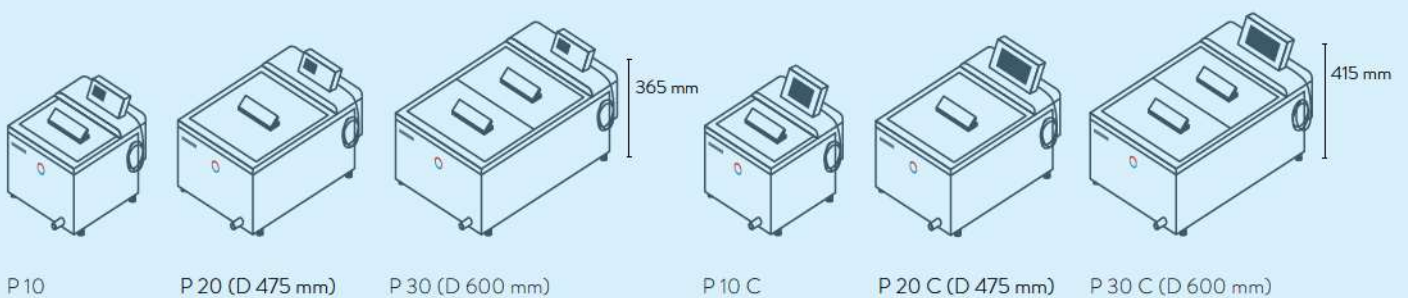
LAUDA Heating thermostats
Device type overview

300 mm

370 mm

420 mm

420 mm

A

A 6

A 12

A 24

376 mm

376 mm

376 mm

426 mm

428 mm

E 4 S
E 4 G

E 10 S
E 10 G

E 20 S
E 20 G

E 25 S
E 25 G

E 40 S
E 40 G

325 mm

349 mm

389 mm

532 mm

389 mm

Gold

Silver

ET 6 S
ET 6 G

ET 12 S
ET 12 G

ET 15 S
ET 15 G

ET 20 S
ET 20 G

365 mm

415 mm

P 10

P 20 (D 475 mm)

P 30 (D 600 mm)

P 10 C

P 20 C (D 475 mm)

P 30 C (D 600 mm)

LAUDA Heating thermostats

Interfaces

	Pt 100 (1)	Pt 100 (2)	USB	Ethernet	RS 232 / 485	Analog	Namur contact	D-Sub contact	PROFIBUS	EtherCAT M8	EtherCAT RJ 45	Number of module slots, large	Number of module slots, small
LAUDA Alpha / Page 36	-	-	-	-	-	-	-	-	-	-	-	-	-
LAUDA ECO / Page 38	Z	-	S	Z	Z	Z	Z	Z	Z	Z	Z	1	1
LAUDA PRO / Page 40	S	-	S	S	Z	Z	Z	Z	Z	Z	Z	1	-
LAUDA Proline Master	S	-	-	Z	Z	Z	Z	Z	Z	Z	Z	2	-
LAUDA Proline Command	S	-	-	Z	S	Z	Z	Z	Z	Z	Z	2	-

S = Series standard
Z = Available as an accessory

LRZ 912
Analog module

LRZ 913
RS 232/485
interface

LRZ 914
Contact module with single input
and single output (NAMUR)

LRZ 915
Contact module with
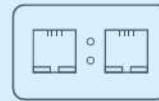3 inputs and 3 outputs

LRZ 917
Profibus module

LRZ 918
Pt100/Li bus module,
small cover

LRZ 921
Ethernet module

LRZ 922
EtherCAT module
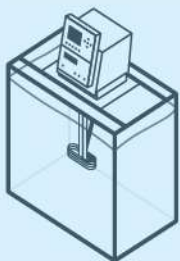with M8 connection

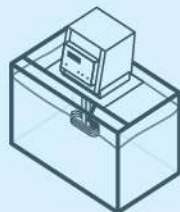**LRZ 923**
EtherCAT module
with RJ45 connection

LRZ 925
External Pt100/LiBus-
module, large cover

LAUDA Proline bridge thermostat / Page 42

PB C
PBD C

PB
PBD

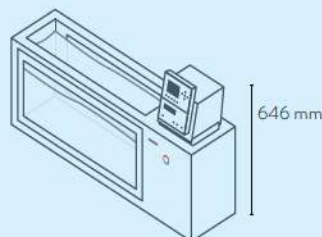**LAUDA Proline clear-view thermostat** / Page 44

646 mm

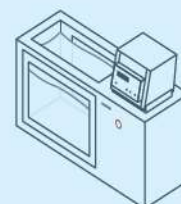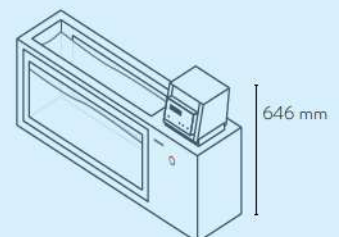646 mm

PV 15 C
PVL 15 C

PV 24 C
PVL 24 C

PV 36 C

PV 15
PVL 15

PV 24
PVL 24

PV 36

Heating thermostats
Cooling thermostats
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LAUDA Heating thermostats
Function overview

Operating element	Alpha	ECO S	ECO G	PRO Base	PRO Command Touch	Proline Master	Proline Command
Display	7-Segment	LCD mono	TFT	OLED	TFT	7-Segment	LCD mono
Mode of operation	3-button	3-button softkey	Cursor softkey	Cursor softkey	Multi-touch	4-button	Cursor softkey
Removable control	-	-	-	√	√	-	√
User management	-	-	-	-	√	-	-
Data logging, export to USB stick	-	-	-	-	√	-	-
1-point calibration	√	√	√	√	√	√	√
2-point calibration	-	-	-	√	√	-	-
Programmer, programs/segments	-	1 / 20	5 / 150	1 / 20	100 / 5000	-	5 / 150
Programmer, tolerance range function	-	√	√	√	√	-	√
Ramp function	-	-	-	-	√	-	√
Timer function	-	-	-	-	√	-	√
Countdown function	√	-	-	-	√	-	√
Graphic temperature profile display	-	-	√	-	√	-	√
Adjustable bypass	-	-	-	-	-	√	√
Level indicator (digital)	-	-	-	√	√	√	√
Standby timer	-	√	√	√	√	√	√
Low-level alarm	√	√	√	√	√	√	√
Drain tap	-	√	√	√	√	√	√
Drain screw	√	-	-	-	-	-	-

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