

°LAUDA



WATER BATHS

Versatile, durable, safe. GFL Technology.

°FAHRENHEIT. °CELSIUS. °LAUDA.

LAUDA water baths

GFL Technology – Premium quality in a first-class design

LAUDA is extending its laboratory technology portfolio with the Hydro product line. The Hydro product range offers the right equipment for every laboratory application with eight water baths, two water baths with a circulating function, three shaking water baths, five vaporization water baths and one paraffin stretching bath. LAUDA Hydro bears the ›GFL Technology‹ quality mark and represents the many years of experience and outstanding quality of the premium manufacturer LAUDA-GFL Gesellschaft für Labortechnik, which became part of the LAUDA Group on December 31, 2018. The new laboratory devices in the modern LAUDA design have excellent performance data and are synonymous with highest quality and flexibility.



Wide range of applications

Whether it's for temperature control, shaking, evaporation or defrosting of samples, LAUDA Hydro offers the right water bath for your laboratory requirement.



Perfected cover design

The double-walled, insulated bath cover has an internal curvature. This causes the condensate to flow back to the bath, thereby preventing it from dripping on the samples. In addition, heat loss is reduced to a minimum. All Hydro water and shaking water baths are equipped with a bath cover as standard.



Homogeneous temperature distribution

The heater of the LAUDA Hydro water baths is located directly under the bottom of the screen. This ensures homogeneous temperature distribution and rapid achievement of the desired temperature. An optional circulating function provides enhanced thermal homogeneity.



Safe, reliable and durable

The Hydro shaking water baths are low-maintenance and guarantee reliable continuous operation. All Hydro water baths are protected against overheating and dry running. If an error occurs, the heater switches off and generates an acoustic and visual alarm.



Intuitive operation

The LAUDA Hydro H 4 to H 41 water baths have a new, modern 3.5" TFT display and a timer function. Operation is via softkey. The durable shaking water baths, paraffin stretching baths and water baths for fume hoods are extremely easy and intuitive to adjust.



Robust, high-quality manufacturing

LAUDA Hydro stands for quality and durability. The welded bath body and the entire interior of the bath are made of stainless steel. The external housing is corrosion-resistant and is made of electrogalvanized, powder-coated sheet steel.

NEW



°LAUDA



LAUDA Hydro water baths

Applications and product features

Hydro water baths:

Versatile incubation/inactivation water baths

- Six models (4 L – 41 L)
- Two water baths with integrated circulating system
- Temperature range up to 100 °C (boiling temperature range)
- Integrated timer
- Electronic function check with visual and acoustic alarm signal in the event of an error



The high-contrast 3.5-inch TFT display shows all the settings and operating values

Hydro shaking water baths:

For precise temperature control combined with gentle mixing or powerful shaking

- Three models: linear or orbital shaking movement
- Load-independent, infinitely variable shaking movement with a soft start
- The two shaking water baths H 20 SW and H 20 SOW are equipped with a cooling coil as standard



Large bath opening for easy positioning of the samples in the shaking basket

Hydro vaporization water baths:

For gentle vaporization work using columns, Erlenmeyer flasks, beakers, with one, four, six or eight openings

- Detachable perforated covers, made of heat-resistant plastic, as standard
- Water level controller as standard
- Specialist devices (H 11 V and H 19 V) for the evaporation of aggressive media, made completely of stainless steel, as standard



The perforated covers consist of a multi-part set of rings. The individual rings are removable

Hydro paraffin stretching bath:

For use in histological, chemical, clinical and bacteriological labs for the stretching and drying of cut tissue samples.

- Temperature range: 25 ... 80 °C
- The bath body is made of black anodized aluminum
- Wide bath edge for placing and drying the samples



Round bath with a diameter of 200 mm and a usable depth of 50 mm

Technical data

Device type	Working temperature range °C	Temperature stability K	Heating output kW	Bath size (W x D x H) mm	Usable depth mm	Min. filling volume L	Max. filling volume L	Weight kg	Mains voltage	Catalog number
Hydro water baths										
H 4	25 ... 100	±0.1	0.5	245×100×165	115	1.9	3.5	7.4	230 V; 50/60 Hz	L002900
H 8	25 ... 100	±0.1	1.0	245×200×165	115	3.8	7.0	9.3	230 V; 50/60 Hz	L002901
H 16	25 ... 100	±0.1	1.5	400×245×165	115	7.5	13.9	13.3	230 V; 50/60 Hz	L002902
H 22	25 ... 100	±0.1	1.5	400×245×225	180	7.5	20.3	15.0	230 V; 50/60 Hz	L002903
H 24	25 ... 100	±0.1	1.5	600×245×165	115	11.3	20.9	17.2	230 V; 50/60 Hz	L002904
H 41	25 ... 100	±0.1	1.5	410×296×335	285	9.3	37.9	21.2	230 V; 50/60 Hz	L002905
H 8 A*	25 ... 100	±0.1	1.0	245×200×165	115	3.8	7.0	10.9	230 V; 50/60 Hz	L002906
H 16 A*	25 ... 100	±0.1	1.5	400×245×165	115	7.5	13.9	15.2	230 V; 50/60 Hz	L002907

*A = with circulating system

Device type	Working temperature range °C	Working temperature range with water cooling °C	Heating output kW	Shaking amplitude mm	Shaking frequency rpm	Movement type	Bath size (W x D x H) mm	Usable depth mm	Min. filling volume L	Max. filling volume L	Weight kg	Mains voltage	Catalog number
Hydro shaking water baths													
H 20 S	25 ... 99.9	-	1.5	22	10 ... 250	B*	450×300×160	190	9	24.4	32	230 V; 50/60 Hz	L002908
H 20 SW*	25 ... 99.9	10 ... 99.9	1.5	22	10 ... 250	B*	450×300×160	190	9	24.4	34	230 V; 50/60 Hz	L002909
H 20 SOW*	25 ... 80	10 ... 80	1.5	14	10 ... 250	O*	450×300×155	195	8.5	23.1	40	230 V; 50/60 Hz	L002910

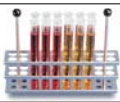






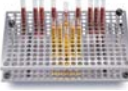


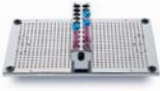








*O = Orbital, W = With cooling coil, B = Bi-directional/Linear


Device type	Working temperature range °C	Temperature stability K	Heating output kW	Number of openings	Diameter of the openings mm	Usable depth mm	Max. filling volume L	Weight kg	Mains voltage	Catalog number
Hydro vaporization water baths										
H 5 V	25 ... 100	±3	1.0	1	192	120	5	8.1	230 V; 50/60 Hz	L003066
H 6 V	25 ... 100	±3	1.0	4	131	90	5.3	12.4	230 V; 50/60 Hz	L003067
H 9 V	25 ... 100	±3	1.5	6	131	90	8.0	17.0	230 V; 50/60 Hz	L003068
H 11 V	25 ... 100	±3	1.5	6	91	100	10.5	5.7	230 V; 50/60 Hz	L003069
H 19 V	25 ... 100	±3	1.5	8	111	100	18.4	7.9	230 V; 50/60 Hz	L003070


Device type	Working temperature range °C	Temperature stability K	Heating output kW	Bath size (W x D x H) mm	Usable depth mm	Max. filling volume L	Weight kg	Mains voltage	Catalog number
Hydro paraffin stretching baths									
H 2 P	25 ... 80	±0.5	0.3	∅ 200 / 60	50	1.6	2	230 V; 50/60 Hz	L003071


LAUDA Hydro accessories

For every purpose

Designation	H 4	H 8 / H 8 A	H 16 / H 16 A	H 22	H 24	H 41	Catalog number
For Hydro water baths		for a maximum of equipment					
 Rack, stainless steel with 20 openings Ø 18 mm	2	4	8	8	12	9	A000015
 Rack, stainless steel with 5 openings Ø 31 mm	2	4	8	8	12	9	A000016
 Rack, stainless steel with 20 openings Ø 13 mm	2	4	8	8	12	9	A000017
 Milk bottle rack, stainless steel with 12 openings Ø 56 mm	-	1	2	2	3	2	A000022
 Adjustable water level controller	Yes	Yes	Yes	Yes	Yes	Yes	A000024
Designation		H 20 S / H 20 SW / H 20 SOW				Catalog number	
For Hydro shaking water baths		for a maximum of equipment					
 Rack, stainless steel with 243 openings Ø 18 mm			1				A000018
 Rack, stainless steel with 63 openings Ø 31 mm			1				A000019
 Rack, stainless steel with 372 openings Ø 13 mm			1				A000020
 Adjustable water level controller			Yes				A000024
 Shaking tray			1				A000023
The following accessories are only appropriate in combination with the shaking tray A000023:							
 Rack for tubes 15 ml, Ø 12 – 17 mm			4				A000032
 Rack for tubes 50 ml, Ø 25 – 29 mm			3				A000033
 Clamp for 25 ml Erlenmeyer flask			52				A000025
 Clamp for 50 ml Erlenmeyer flask			33				A000026
 Clamp for 100 ml Erlenmeyer flask			22				A000027
 Clamp for 200 ml Erlenmeyer flask			15				A000028
 Clamp for 250 – 300 ml Erlenmeyer flask			13				A000029
 Clamp for 500 ml Erlenmeyer flask			10				A000030
 Clamp for 1000 ml Erlenmeyer flask			6				A000031
Raised cover for Erlenmeyer flask with 1000 ml			H 20 S and H 20 SW			A000038	

Designation	H 5 V	Catalog number
For Hydro vaporization water baths	for a maximum of equipment	
 Support rod, stainless steel, 316 mm long, Ø 12 mm	Yes	A000039

Designation	H 2 P	Catalog number
For Hydro paraffin stretching baths	for a maximum of equipment	
 Dust protection cover, aluminum, black anodized	Yes	A000040

Designation		Catalog number
For all Hydro device categories Highly effective algicide only for use with water in bath thermostats. This medium is used to reduce contamination of water with bacteria and fungi.		
 Algizid Aquastab, 5 L canister		LZB 129
Algizid Aquastab, 1 L bottle		LZB 429
Algizid Aquastab, 100 ml bottle		LZB 929

