

LAUDA Hydro: Universal water and shaking water baths from 5 to 100°C

The inexpensive, compact water baths for laboratory use stand out for their digital TFT display with simple operation and high reliability. They are optimally equipped for every laboratory application in the form of a typical water bath, a water bath with a circulating function or a shaking water bath, and ensure homogeneous temperature distribution without local overheating.

The LAUDA Hydro water baths are made of high-quality stainless steel and provide the right bath depth and opening for every application with bath volumes from 4 to 41 liters. They are designed for the needs of biological, medical or biochemical laboratories with excellent temperature homogeneity, optional circulation or a shaking function.

All water baths offer a temperature range of up to 100°C, which also permits applications in the boiling temperature range. The water temperature of the bath can be controlled by means of the electronic controller. A timer function can be used to set a switch-on delay and the duration of the operating time, either after a switch-on delay or after reaching the set temperature. The high-contrast 3.5-inch TFT display shows all the settings and operating values. The controller also has an electronic function check with a visual and acoustic alarm signal in the event of an error.

The LAUDA Hydro product range offers the perfect equipment for every laboratory requirement with six water baths, two water baths with a circulating function and three shaking water baths.

The shaking water baths are specialized for different work processes. The device type H 20 SOW creates a circular motion for the sample whereas the types H 20 S and H 20 SW are designed for a linear, oscillating shaking movement. The built-in speed controller enables a 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. The temperature range of the shaking water baths can be extended down to +10°C by connecting them to the domestic water supply or to commercially available circulation chillers.

All Hydro device types are protected against overheating during dry running by means of a low-water safety device and therefore guarantee reliable continuous operation (Safety class I, NFL).

Furthermore, they consist of a corrosion-resistant outer casing made of electrolytically galvanized, powder-coated sheet steel. All the other structural parts of the casing, as well as the tubular heating element, are made of stainless steel. The double-walled, heat-insulated cover with internal curvature reliably prevents condensate from dripping back into the system. The recessed operating elements protect the electronics from dripping water and dirt. This increases the service life and ensures a high level of user safety.

Water baths LAUDA Hydro

Type	H 4	H 8	H 16	H 22	H 24	H 41	H 8 A	H 16 A
Temperature range	°C 25 – 100	25 – 100	25 – 100	25 – 100	25 – 100	25 – 100	25 – 100	25 – 100
Temp. accur. ±	K ±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Heating cap.	kW 0.5	1.0	1.5	1.5	1.5	1.5	1.0	1.5
Bath vol.	l 4	8	16	22	24	41	8	16
Bath dims. WxDxH	mm 245x100x165	245x200x165	400x245x165	400x245x225	600x245x165	410x296x335	245x200x165	400x245x165
Order No.	10 23 32900	10 23 32901	10 23 32902	10 23 32903	10 23 32904	10 23 32905	10 23 32906	10 23 32907

Water shaking baths LAUDA Hydro

Type	H 20 S	H 20 SW	H 20 SOW
Temperature range	°C 25 – 99.9	10 – 99.9	10 – 80
Temperature accuracy ±	K ±0.1	±0.1	±0.1
Heating capacity	kW 1.5	1.5	1.5
Movement	reciprocating	reciprocating	orbital
Shaking frequency	min ⁻¹ 10 – 250	10 – 250	10 – 250
Shaking amplitude	mm 22	22	14
Bath dimensions WxDxH	mm 450x300x160	450x300x160	450x300x160
Filling volume	l 20	20	20
Dimensions (WxHxD)	mm 715x520x330	715x520x330	632x500x390
Net weight	kg 28	30	35
Gross weight	kg 32	34	40
Order No.	10 23 32908	10 23 32909	10 23 32910

