

Бани водные со встряхиванием CARL ROTH Hydro, WTB, SBS 40, Accublock Mini

Технические характеристики

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Shaking water baths



Shaking water bath Hydro H-20 series

Lauda.

- Digital LED display
- Adjustment and display of temperature values at increments of 0.1 °C
- Overheating protection for operation with non-flammable liquids and the low-water safety device
- The speed is continuously adjustable
- Bath tank with drain valve
- Lid, bath unit, cover frame, shaking basket, sieve plate and heater made of stainless steel
- Shaking basket is easy to remove for cleaning

Technical specifications:

Art. No.	1A93.1	1A94.1	1A95.1
Type	H 20 S	H 20 SW	H 20 SOW
Bath volume	20 l		
Movement type	Back and forward		Circular
Inner length	450 mm		
Inner width	300 mm		
Inner height	115 mm		110 mm
Outer length	715 mm		632 mm
Outer width	520 mm		500 mm
Outer height	330 mm		390 mm
Operating temperature	25 to 100 °C		25 to 80 °C
Temperature constancy	±0.1 K		
Shaking frequency	10–250 rpm		
Shaking amplitude (stroke)	22 mm		14 mm
Weight	32 kg	34 kg	40 kg
Mains connection	230 V, 50/60 Hz		

Delivery incl. lid and shaking basket.

H 20 S

Standard design. Back and forward movement.

Type	Bath volume (l)	Art. No.	Pack Qty.
H 20 S	20	1A93.1	1 unit(s)

H 20 SW

Back and forward movement. With a cooling coil for connecting an external cooling unit. Depending on the cooling capacity, temperatures as low as 10 °C can be achieved. Also includes an actual speed display for the shaking frequency.

Type	Bath volume (l)	Art. No.	Pack Qty.
H 20 SW	20	1A94.1	1 unit(s)

H 20 SOW

Circular movement. With a cooling coil for connecting an external cooling unit. Depending on the cooling capacity, temperatures as low as 10 °C can be achieved. Also includes an actual speed display for the shaking frequency.

Type	Bath volume (l)	Art. No.	Pack Qty.
H 20 SOW	20	1A95.1	1 unit(s)

Accessories shaking tray for the Hydro H-20 series

Lauda.

For shaking Erlenmeyer flasks.

With a hole gird for fastening Erlenmeyer flask spring clips.

Max. number per board:

- 52 fixing clips for 25 ml flasks or
- 33 fixing clips for 50 ml flasks or
- 22 fixing clips for 100 ml flasks or
- 15 fixing clips for 200 ml flasks or
- 13 fixing clips for 250/300 ml flasks or
- 10 fixing clips for 500 ml flasks or
- 6 fixing clips for 1000 ml flasks

Please note: 1000 ml Erlenmeyer flasks require a raised lid. Only possible with shaking water bath models H 20 S and H 20 SW.

Delivery without spring clips, please order separately.

Designation	Art. No.	Pack Qty.
Shaking tray	1H98.1	1 unit(s)

Accessories raised lid suitable for shaking water bath models H 20 S and H 20 SW

Lauda.

For 1000 ml Erlenmeyer flasks. Suitable for shaking water bath models H 20 S and H 20 SW.

Designation	Art. No.	Pack Qty.
Raised lid	1H99.1	1 unit(s)

Shaking water baths



Shaking water bath WTB series

Memmert.

With horizontal back and forward shaking strokes. Continuously variable frequency adjustment (35 to 160 strokes per min).

- For an operating temperature range from 5 °C above ambient temperature to +100 °C
- Intuitive 3.5" colour graphic display with touchscreen
- Integrated digital clock from 1 min to 99.59 h
- Independent temperature limiter for heater switch-off in the event of a fault
- Corrosion-protected heating outside of the working area
- Stainless steel tray with no corners or edges for ease of cleaning, incl. central drain (no obstructing fittings)
- Bath drainage by draincock
- **The collection tray supplied is sufficient for general operation. If desired, fixing clips for flasks can be ordered as an option and attached to the perforated mounting plate.**

Technical specifications:

Art. No.	1EYX.1	1EYY.1	1H00.1	1H01.1
Type	WTB 15	WTB 24	WTB 35	WTB 50
Bath volume	17 l	23 l	37 l	51 l
Movement type	Back and forward			
Inner length	482 mm	472 mm	602 mm	592 mm
Inner width	277 mm	267 mm	482 mm	472 mm
Inner height	150 mm	200 mm	150 mm	200 mm
Outer length	554 mm		674 mm	
Outer width	349 mm		554 mm	
Outer height	245 mm	295 mm	245 mm	295 mm
Height with slanting cover	348 mm	398 mm	348 mm	398 mm
Operating temperature	From 5 °C above room temperature to 100 °C			
Set temperature range	+10 to +100 °C			
Setting accuracy	0,1 °C			
Temporal temp. variance	±0,1 K			
Spatial temp. deviation	±0,3 K			
Shaking frequency	35–160 rpm			
Heating output	1420 W		2800 W	
Max. loading of	Fixing clips 14 x 100 ml flasks 10 x 200 ml flasks 8 x 300 ml flasks 5 x 500 ml flasks		Fixing clips 33 x 100 ml flasks 24 x 200 ml flasks 24 x 300 ml flasks 16 x 500 ml flasks	
Weight	14 kg	16 kg	20 kg	23 kg
Mains connection	230 V, 50/60 Hz			

Delivery incl. stainless steel slanting cover for diverting condensation, shaker with mounting frame and collection tray with perforated mounting plate (stainless steel) for mounting fixing clips for Erlenmeyer flasks (fixing clips for flasks can be ordered separately if required).

Type	Bath volume (l)	Art. No.	Pack Qty.
WTB 15	17	1EYX.1	1 unit(s)
WTB 24	23	1EYY.1	1 unit(s)

Type	Bath volume (l)	Art. No.	Pack Qty.
WTB 35	37	1H00.1	1 unit(s)
WTB 50	51	1H01.1	1 unit(s)



Shaking water bath SBS40

Stuart.

- Optionally available with tray for back and forth shaking strokes (type SBS40/1) or tray for circular movements (type SBS40/2)
- The shaking movement is generated by inserting the tray
- Loading configurations per tray:
e.g. 8 x 250 ml or 6 x 500 ml, 6 x 500 ml or 4 x 1000 ml Erlenmeyer flasks
- Each tray includes 15 springs for attaching bottles, beakers and flasks in different sizes
- Digital temperature display (resolution 0.1 °C)
- With overheating protection and drain cock

Technical specifications:

Art. No.	AK06.1
Type	SBS 40
Bath volume	24 l
Inner length	500 mm
Inner width	300 mm
Inner height	200 mm
Outer length	580 mm
Outer width	335 mm
Outer height	320 mm
Operating temperature	10 °C above room temperature up to 95 °C
Set temperature range	+19 to +95 °C
Temperature constancy	±0,25 °C
Shaking frequency	20–130 min ⁻¹
Shaking amplitude (stroke)	20 mm
Weight	17 kg
Mains connection	230 V, 50 Hz

Delivery without stainless steel cover, shaking tray and test tube racks, please order separately.

Type	Bath volume (l)	Art. No.	Pack Qty.
SBS 40	24	AK06.1	1 unit(s)

Accessories shaking trays for SBS40 shaking water bath

Stuart.

Designation	Art. No.	Pack Qty.
SBS40/1 shaking tray for back and forth movement	AK07.1	1 unit(s)
SBS40/2 shaking tray for circular movement	AK08.1	1 unit(s)



Shaking water baths

Accessories test tube racks for SBS40 shaking water bath

Stuart.

Made of stainless steel. Max. capacity of a shaking tray: 2 pieces.

Suitable for	Art. No.	Pack Qty.	
143 Reaction vessels 1.5/2.0 ml	XY08.1	1 unit(s)	
120 Culture tubes Ø 13 mm	XY09.1	1 unit(s)	
72 Culture tubes Ø 16 mm	XY10.1	1 unit(s)	
30 culture tubes Ø 26 mm	XY11.1	1 unit(s)	
56 Centrifuge tubes 15 ml	XY12.1	1 unit(s)	
25 centrifuge tubes 50 ml	XY13.1	1 unit(s)	

Accessories slanting cover made of stainless steel with insulated handle

Stuart.

Designation	Art. No.	Pack Qty.	
Stainless steel slanted cover with insulated handle	AK09.1	1 unit(s)	



Block thermostat single Accublock™ Mini

Labnet International.

For precision temperature control of 12 1.5 ml reaction vials.

- Temperature adjustment via digital display
- Digital display of actual temperature
- Acoustic timer adjustable from 1 min to 19 h, 59 min (has no effect on heater performance; no shutdown upon expiration of the timer)
- Integrated aluminium block; ports have been adapted to fit 1.5 ml reaction vials

Technical specifications:

Art. No.	PE74.1
Type	Accublock™ Mini
Operating temperature	From +5 °C above room temperature to +100 °C
Temperature adjustment range	20-101 °C
Accuracy	±0,2 K
Resolution	0,1 °C
Warm-up period	20 min (100 °C)
W x D x H	110 x 140 x 55 mm
Weight	1.4 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. AccuRack™ for rapid filling and emptying of reaction vials.

Type	Art. No.	Pack Qty.	
Accublock™ Mini	PE74.1	1 unit(s)	



Block thermostat

Labnet International.

For precision heating of reaction vials, test tubes, type Falcon® centrifuge tubes and 96 well PCR trays.

- Stainless steel housing
- With LED temperature display
- Integrated timer function
- Suitable for one or two interchangeable blocks depending on model

Technical specifications:

Art. No.	PY25.1	YC47.1
Type	Single block thermostats	Dual block thermostats
Max. exchange blocks	1	2
Operating temperature	From +5 °C above room temperature to +150 °C	
Temperature adjustment range	0 - 150 °C	
Accuracy	±0,3 K	
Resolution	0,1 °C	
Timer	1 to 99 h 59 min in 1 min increments or continuous operation	
Warm-up period	35 min (100 °C)	
W x D x H	210 x 290 x 120 mm	
Mains connection	230 V, 50/60 Hz	

Delivery incl. removal rod for changing the blocks and removable cover for microlitre tubes.

Without interchangeable blocks, please order separately.

Type	Max. exchange blocks	Art. No.	Pack Qty.	
Single block thermostats	1	PY25.1	1 unit(s)	
Dual block thermostats	2	YC47.1	1 unit(s)	

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