

Water Baths
A COMPLETE LINE



WS27

WS17



W14M

Innovative Scientific Equipment for the World

Constant thinking.



A Product of
SHELDON MFG. INC.

Microprocessor and Analog Control

Microprocessor: W6M | W14M | W20M **Analog:** W6A | W14A | W20A



W14M

These durable and dependable water baths come in three sizes, each with a variety of safety and convenience features, fully insulated for excellent heat recovery and retention. A unique warm air-jacket design surrounds all sides of the chamber with heated air, providing uniform heating without hot spots. A non-contact, recessed heating element is used to prevent burnout if all water evaporates. Tank construction is of one-piece, drawn stainless steel. There are no seams to leak and cleanup is quick and easy. Additionally, the low/watt/density heating element provides longer element life and minimizes temperature overshoot.

Low silhouette bath design makes for easy loading. Rubber supports ensure the baths stay put. Housings are electrostatically coated with a high-quality textured powder surface. This reduces rust and chipping and makes the surface strongly resistant to corrosive chemicals, nicks and scratches.

MICROPROCESSOR CONTROL MODELS

SHEL LAB high-performance water baths are accurate, easy to use, safe and durable. The digital set/digital read temperature controller maximizes rapid heat-up. A microprocessor achieves precise temperature control regardless of how the unit is loaded. Calibration is performed directly from the control panel. An important safety "extra" on all our high-performance models is a back-up temperature controller. Should the main circuit fail, samples remain protected.



W14A

ANALOG CONTROL MODELS

Analog control models feature most of the same unique design features found in the Microprocessor controlled models. Temperature control is achieved with a hydraulic thermostat. An internal (non-adjustable) safety ensures overtemperature protection should the main controller malfunction. An Environ-safe thermometer with adjustable mounting clip is also supplied with each model.



W14M with Gable Cover

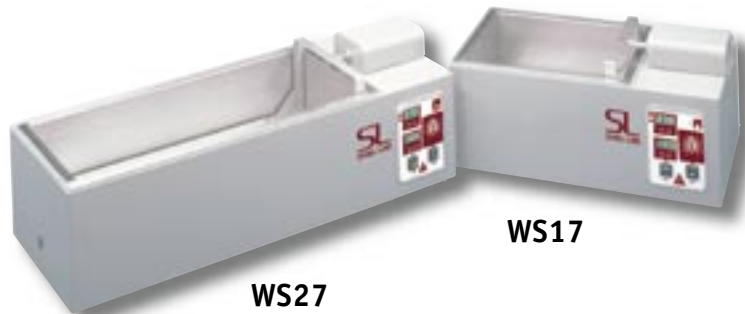
Model Number	W6A W6A-2*	W14A W14A-2*	W20A W20A-2*	W6M W6M-2*	W14M W14M-2*	W20M W20M-2*
Exterior Dimensions (wxdxh) (cm)	13" x 10.5" x 9" 33 x 26.5 x 22.5	13" x 17.5" x 9.5" 33 x 44.5 x 24	13" x 24" x 9.5" 33 x 61 x 24	13" x 10.5" x 9" 33 x 26.5 x 22.5	13" x 17.5" x 9.5" 33 x 44.5 x 24	13" x 24" x 9.5" 33 x 61 x 24
Interior Dimensions (wxdxh) (cm)	12" x 6" x 6" 30.5 x 15.25 x 15.25	12" x 13" x 6" 30.5 x 33 x 15.25	11.5" x 19.5" x 6" 29.25 x 49.5 x 15.25	12" x 6" x 6" 30.5 x 15.25 x 15.25	12" x 13" x 6" 30.5 x 33 x 15.25	11.5" x 19.5" x 6" 29.25 x 49.5 x 15.25
Tank Capacity	6 Liters	14 Liters	20 Liters	6 Liters	14 Liters	20 Liters
Temperature Range	Ambient +5 to 80°C	Ambient +5 to 90°C	Ambient +5 to 90°C	Ambient +5 to 80°C	Ambient +5 to 90°C	Ambient +5 to 90°C
Temperature Control	Analog	Analog	Analog	Microprocessor	Microprocessor	Microprocessor
Temperature Display	Thermometer	Thermometer	Thermometer	Digital	Digital	Digital
Temperature Uniformity	± 0.25°C @ 37°C	± 0.25°C @ 37°C	± 0.25°C @ 37°C	± 0.2°C @ 37°C	± 0.2°C @ 37°C	± 0.2°C @ 37°C
Electrical Requirements Watts/Amps - 120V Watts/Amps - 220V Cycle/Phase	300/2.5 300/1.5 50-60/Single Phase	500/4.0 500/2.5 50-60/Single Phase	500/4.0 500/2.5 50-60/Single Phase	300/6.0 300/3.0 50-60/Single Phase	500/6.0 500/3.0 50-60/Single Phase	500/5.0 500/2.5 50-60/Single Phase

Manufacturer reserves the right to change/modify product specifications

* -2 indicates 220V Stainless Steel Gable Cover included. Distilled water is recommended. Wattage measurements listed are heating elements wattages only
Maximum temperatures achieved with cover.

Reciprocating Waterbaths

Models: WS17 | WS27



The SHEL LAB Model WS17 and WS27 Reciprocating Water Baths are designed to deliver precise temperature control and a smooth reciprocal shaking motion. The independent overtemperature safety offers backup protection should the main controller fail to function properly. Easy-to-read digital LED's display temperature and oscillation speed. The oscillator control is independent, allowing the baths to also be used for regular constant temperature water bath applications.

The easily adjustable drive mechanism minimizes the chances of accidental spillage or normal steam residue ever contacting and deteriorating the control and drive electronics. Moreover, the unique basket support system is designed to eliminate tank wear, yet still provide full support for free action for a heavily loaded basket.

A stainless steel gable bath cover is included – and is required to reach the maximum temperature. The arched design of the cover prevents condensate from dripping onto the samples and helps to assure temperature uniformity. Bath platform trays are designed to eliminate “hot spots” and to ensure optimum temperature uniformity.

The bath tanks are stainless steel and the bath housings are electrostatically coated with a high quality powder coat paint which prevents corrosion and chipping.



WS27 with Stainless Steel “Gable” Bath Cover



A universal mounting platform is included with each water bath.

Available optional accessories are Erlenmeyer flask holders (order separately).

Model Number	WS17 WS17-2*	WS27 WS27-2*
TEMPERATURE		
Temperature Range	Ambient +5 to 90°C	Ambient +5 to 90°C
Temperature Uniformity	± 0.2°C @ 37°C	± 0.2°C @ 37°C
Control Sensitivity	± 0.05°C	± 0.05°C
OSCILLATION		
Shaking Motion	Reciprocating	Reciprocating
Oscillation Rate	20 - 200 RPM	20 - 200 RPM
Stroke Length (cm)	Adj. 0.5/1.0/1.5" Adj. 1.27/2.54/3.81	Adj. 0.5/1.0/1.5" Adj. 1.27/2.54/3.81
DIMENSIONS		
Tank Capacity	4.2 Gal/16 Liters	7.6 Gal/29 Liters
Tank/Chamber (wxdxh) (cm)	12" x 15" x 7.5" 30.5 x 28 x 19	12" x 27.2" x 7.5" 30.5 x 69 x 19
Exterior (wxdxh) (cm)	14.3" x 24.7" x 9.5" 36 x 63 x 24	14.3" x 36.9" x 9.5" 36 x 94 x 24
ELECTRICAL		
Watts/Amps - 120V	750/6.0	1000/9
Watts/Amps - 220V	750/4.5	1000/5.0
Cycle/Phase	50-60/Single Phase	50-60/Single Phase
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Flask Size	WS17	WS27	Flask Size	WS17	WS27
25ml	24	48	2 liter	2	4
50ml	24	48	2.8 liter	1	3
125ml	24	48	4 liter	1	2
250ml	12	24	5 liter	1	2
500ml	6	12	6 liter	1	2
1 liter	4	8			

Quantity of flasks that will fit for each model number.

* -2 indicates 220V Distilled water is recommended. Cover included. Wattage measurements listed are heating element wattages only. Maximum temperatures achieved with cover.

Special Application Water Baths

Models: WPC65 | WPC75 | WPC85 | WPC95

Four special-application water baths, each with the features of the high-performance models described earlier, are highly accurate, easy-to-use, rugged and safe. Each is microprocessor controlled with easy-to-read displays. Double-wall construction of stainless steel with easy-to-clean polymer-coated bath tanks, air-jacketed heating to eliminate hot spots and a recessed heating element to prevent burnout are added features.

Stainless steel covers are sold separately for these models. The use of covers is suggested since they allow maximum temperature range and help maintain better temperature uniformity,

Model WPC65 and WPC75

Digital Circulating Baths – Excellent choices for research and quality control applications. (Model WPC75 available only in 220V).

Model WPC85

Fecal Coliform Incubation Circulating Bath – Designed especially for fecal coliform testing and other applications where circulation provides extra temperature control. Meets APHA and EPA test specifications.

Model WPC95

Deep Chamber Bath – Accommodates large volume samples in volumetric flasks, glass bottles and other tall containers.



WPC95

Model Number	WPC65 WPC65-2*	WPC75 WPC75-2*	WPC85 WPC85-2*	WPC95 WPC95-2*
Cover Model #	936 SS	945 SS	942 SS	942 SS
Exterior Dimensions (wxdxh) (cm)	14" x 28.5" x 9.5" 35.6 x 72.4 x 24	24" x 45.5" x 14" 61 x 115.5 x 35.6	16" x 24" x 15.5" 40.6 x 61 x 39	16" x 18.5" x 15.5" 40.6 x 47 x 39
Interior Dimensions (wxdxh) (cm)	11.5" x 19.5" x 6" 29 x 49.5 x 15	18" x 35.5" x 9.5" 45.7 x 90 x 24	12" x 14" x 12" 30.4 x 35.5 x 30.4	12" x 14" x 12" 30.4 x 35.5 x 30.4
Tank Working Capacity	22.1 Liters	99.7 Liters	34 Liters	30 Liters
Temperature Range	+5°C to @ 90°C	+5°C to @ 90°C	+5°C to @ 90°C	+5°C to @ 90°C
Temperature Control	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Overtemperature Safety	Yes - Independent	Yes - Independent	Yes - Independent	Yes - Independent
Temperature Display	Digital	Digital	Digital	Digital
Temperature Uniformity	± 0.1°C w/o cover @ 37°C	± 0.1°C w/o cover @ 37°C	± 0.1°C w/o cover @ 37°C	± 0.1°C w/o cover @ 37°C
Internal Circulating Pump	Yes	Yes	Yes	No
Electrical Requirements				
Watts/Amps - 120V	500/6.0	N/A / N/A	750/6.5	750/7.0
Watts/Amps - 220V	500/3.0	2000/9.0	750/3.5	750/3.5
Cycle/Phase	50-60/Single Phase	50-60/Single Phase	50-60/Single Phase	50-60/Single Phase

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*-2 indicates 220V. Distilled water is recommended. Covers not included. Wattage measurements listed are heating element wattages only.



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