

Premiere Series of Stirred Baths and Circulators



Each bath, both analog and digital, consists of a stainless steel tank housed in an outer case with a control unit mounted over one end of the bath from which the heater, stirrer, and temperature sensors project down into the bath. A circulation tray enhances performance. The series is used for direct immersion of samples. Some baths are fitted with a pump enabling it to be used as a circulator for controlling the temperature of external apparatus.

- These stirred bath/circulators provide superb temperature control for procedures where temperature stability and uniformity are vital
- Provide a very high level of performance to suit the most demanding applications
- Available with either digital or analog control
- Available in 6, 14, 22, 28 and 38 liter
- Three-year warranty

Digital Features

- Digital setting and display for precise repeatability
- Easy visibility of actual bath temperature
- User re-settable adjustable over temperature cut-out
- Float switch for low liquid level detection/cut-out

Analog Features

The units have a conventional knob and dial with fine adjustment facility. Particularly well suited when the temperature is not often changed.

- User re-settable adjustable over temperature cut-out
- Float switch for low liquid level detection/cut-out

Specifications for Premier Stirred Baths and Circulators

	6 Liters		14 Liters		22 Liters		28 Liters		38 Liters	
Temperature Range	0° to 150°C		0° to 150°C		0° to 150°C		-15° to 150°		0° to 150°C	
Stability (DIN 58966)	±0.004°C		±0.004°C		±0.004°C		±0.004°C		±0.004°C	
Uniformity	±0.01°C		±0.01°C		±0.02°C		±0.02°C		±0.01°C	
Temperature Setting	Digital	Analog	Digital	Analog	Digital	Analog	Digital	Analog	Digital	Analog
Temperature Display	LCD	—	LCD	—	LCD	—	LCD	—	LCD	—
Display Resolution	0.1C°		0.1C°		0.1C°		0.1C°		0.1C°	
Heater Power 110 to 120 V	1.0 kW		1.0 kW		1.0 kW		1.0 kW		1.0 kW 1.0 kW	
Overall Consump. 110 to 120 V	1.1 kW		1.1 kW		1.1 kW		1.1 kW		1.1 kW	
Pump Maximum Head:	1.7 m (5.6 ft)		1.7 m (5.6 ft)		1.7 m (5.6 ft)		1.7 m (5.6 ft)		1.7 m (5.6 ft)	
Max. Flow	8.5 L/min		8.5 L/min		8.5 L/min		8.5 L/min		8.5 L/min	
Pipe Bore	6 mm		6 mm		6 mm		6 mm		6 mm	
Tank Dimensions, L x W x D	30 x 15 x 15 cm (11.8 x 5.9 x 5.9 in)		32.5 x 30 x 15 cm (12.8 x 11.8 x 5.9 in)		50.5 x 30 x 15 cm (19.9 x 11.8 x 5.9 in)		50.5 x 30 x 20 cm (19.9 x 11.8 x 7.9 in)		69 x 30 x 20 cm (27.1 x 11.8 x 7.9 in)	
Top Opening, L x W	12 x 14.5 cm (4.7 x 5.7 in)		21 x 30 cm (8.3 x 11.8 in)		9 x 30 cm (15.4 x 11.8 in)		9 x 30 cm (15.4 x 11.8 in)		58 x 30 cm (22.8 x 11.8 in)	
Liquid Depth Minimum/Maximum	8 x 14 cm (3.1 x 5.5 in)		8 x 14 cm (3.1 x 5.5 in)		8 x 14 cm (3.1 x 5.5 in)		13 x 19 cm (5.1 x 7.5 in)		13 x 19 cm (5.1 x 7.5 in)	
Height to Tank Rim	17.5 cm (6.9 in)		17.5 cm (6.9 in)		22.5 cm (8.8 in)		22.5 cm (8.8 in)		22.5 cm (8.8 in)	
Overall Dimensions, L x W x H	32.5 x 17.5 x 34.5 cm (12.8 x 6.9 x 13.6 in)		35 x 32.5 x 34.5 cm (13.8 x 12.8 x 13.6 in)		53 x 32.5 x 39.5 cm (20.9 x 12.8 x 15.6 in)		53 x 32.5 x 39.5 cm (20.9 x 12.8 x 15.6 in)		72 x 32.5 x 39.5 cm (28.3 x 12.8 x 15.6 in)	
Safety Temperature	Adjustable cut-out		Adjustable cut-out		Adjustable cut-out		Adjustable cut-out		Adjustable cut-out	
Safety Temperature Level	Float switch		Float switch		Float switch		Float switch		Float switch	
Bath with Circulating Pump:	Digital	CGS-8393.78	Digital	CGS-8397.78	Digital	CGS-8401.78	Digital	CGS-8405.78	Digital	CGS-8409.78
	Analog	CGS-8394.78	Analog	CGS-8398.78	Analog	CGS-8402.78	Analog	CGS-8406.78	Analog	CGS-8410.78
Stirred Bath Only:	Digital	CGS-8395.78	Digital	CGS-8399.78	Digital	CGS-8403.78	Digital	CGS-8407.78	Digital	CGS-8411.78
	Analog	CGS-8396.78	Analog	CGS-8400.78	Analog	CGS-8404.78	Analog	CGS-8408.78	Analog	CGS-8412.78