



Rheology Solutions

Rheology Solutions is the sole Australian distributor of this product range and we welcome the opportunity of discussing your application requirements.

*We hope the information you are seeking is contained within this file.
If you have any questions, or require further information please contact us.
We look forward to being of further service.*

Regards from the Team at Rheology Solutions.

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Thermo Scientific SAHARA Series Heated Bath Circulators

When your application requires high temperature rely on these durable, seamless stainless steel baths.

Available in capacities from 5 to 51 liters with a variety of work area dimensions to meet your application needs.

- Up to 8 different controllers can be selected that best fit your application needs
- The controller can be indexed 90° for easier viewing.
- Ideally suited for use with silicone oil.



Typical applications:

- Viscometers
- Spectrophotometers
- Refractometers
- Metrology



Stainless Steel

Controller ▼ Bath ▶	S3	S7	S13	S15
SC100	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
SC150	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
SC150L	—	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
AC150	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
AC200	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C
PC200	—	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C
PC201	—	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C
PC300	—	Amb +13 to 300°C	Amb +13 to 300°C	Amb +13 to 300°C
Maximum bath volume (liters)*	5	7	11	17
Work area (DxWxL) mm (in)	150 x 154.2 x 111.9 (5.9 x 6.1 x 4.4)	185 x 154.2 x 111.9 (7.3 x 6.1 x 4.4)	200 x 111.9 x 239.3 (7.9 x 4.4 x 9.4)	200 x 299.5 x 140.9 (7.9 x 11.8 x 5.5)
Net weight (kg/lb)	9.8/21.5	10.6/23.4	12.3/27	13.7/30.1
Compliance	CE/ROHS/WEEE	CE/ROHS/WEEE	CE/ROHS/WEEE	CE/ROHS/WEEE

Ordering information

Model	S3			S7			S13			S15		
	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz
SC100 plus Bath	152-1038	152-1031	152-1036	152-1078	152-1071	152-1076	152-1138	152-1131	152-1136	152-1158	152-1151	152-1156
SC150 plus Bath	153-1038	153-1031	153-1036	153-1078	153-1071	153-1076	153-1138	153-1131	153-1136	154-1158	154-1151	154-1156
SC150L plus Bath	—	—	—	154-1078	154-1071	154-1076	154-1138	154-1131	154-1136	153-1158	153-1151	153-1156
AC150 plus Bath	155-1038	155-1031	155-1036	155-1078	155-1071	155-1076	156-1138	156-1131	156-1136	154-1158	154-1151	154-1156
AC200 plus Bath	156-1038	156-1031	156-1036	156-1078	156-1071	156-1076	155-1138	155-1131	155-1136	156-1158	156-1151	156-1156
Voltages	100-115V/50-60Hz		200-230V/50-60Hz		100-115V/50-60Hz		200-230V/50-60Hz		100-115V/50-60Hz		200-230V/50-60Hz	
PC200 plus Bath	—	—	—	157-1072	157-1075	157-1132	157-1135	157-1152	157-1155	—	—	—
PC201 plus Bath	—	—	—	—	158-1075	—	158-1135	—	158-1155	—	—	—
PC300 plus Bath	—	—	—	—	159-1075	—	159-1135	—	—	—	—	—

*Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Whether you need internal or external circulation, choose from a wide selection of heating bath circulators for efficient heating. Rugged and corrosion-resistant for high temperature applications up to 300°C.

What's Included: Communication cables, bridge with gasket and thumbscrews, 8mm and 12mm hose barbs with clamps, external circulation plumbing 6-ft power cord, work area cover (not included with S45 and S49), 3-year warranty

Useful accessories:

See page 20 for complete list of available accessories.

- Tap Water Cooling Coil
- Solenoid Valve for Tap Water Cooling Coil (AC200 and above)
- Auto-refill (AC200 and above)
- External Temperature Probe (AC200 and above)
- Work Area Cover (S45 and S49 only)
- Lifting Platform
- Test Tube Racks
- Fluids



S21		S30		S45		S49	
Amb +13 to 100°C		Amb +13 to 100°C		Amb +13 to 100°C		Amb +13 to 100°C	
Amb +13 to 150°C		Amb +13 to 150°C		Amb +13 to 150°C		Amb +13 to 150°C	
—		Amb +13 to 150°C		Amb +13 to 150°C		Amb +13 to 150°C	
Amb +13 to 150°C		Amb +13 to 150°C		Amb +13 to 150°C		Amb +13 to 150°C	
Amb +13 to 200°C		Amb +13 to 200°C		Amb +13 to 200°C		Amb +13 to 200°C	
—		Amb +13 to 200°C		Amb +13 to 200°C		Amb +13 to 200°C	
—		Amb +13 to 200°C		Amb +13 to 200°C		Amb +13 to 200°C	
—		—		—		—	
17		24		41		51	
150 x 296.5 x 311.9 (5.9 x 11.7 x 12.3)		200 x 296.5 x 311.9 (7.9 x 11.7 x 12.3)		300 x 298.1 x 311.9 (11.8 x 11.7 x 12.3)		200 x 498 x 429.9 (7.9 x 19.6 x 16.9)	
14.2/31.2		16.5/36.2		20.3/44.7		24.3/53.4	
CE/ROHS/WEEE		CE/ROHS/WEEE		CE/ROHS/WEEE		CE/ROHS/WEEE	

S21			S30			S45			S49		
115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz
152-1218	152-1211	152-1216	152-1308	152-1301	152-1306	152-1458	152-1451	152-1456	152-1498	152-1491	152-1496
153-1218	153-1211	153-1216	153-1308	153-1301	153-1306	153-1458	153-1451	153-1456	153-1498	153-1491	153-1496
			154-1308	154-1301	154-1306	154-1458	154-1451	154-1456	154-1498	154-1491	154-1496
155-1218	155-1211	155-1216	155-1308	155-1301	155-1306	155-1458	155-1451	155-1456	155-1498	155-1491	155-1496
156-1218	156-1211	156-1216	156-1308	156-1301	156-1306	156-1458	156-1451	156-1456	156-1498	156-1491	156-1496
100-115V/50-60Hz		200-230V/50-60Hz		100-115V/50-60Hz		200-230V/50-60Hz		100-115V/50-60Hz		200-230V/50-60Hz	
—		—		157-1302		157-1305		157-1452		157-1455	
—		—		—		158-1305		—		158-1455	
—		—		—		—		—		—	

Acrylic

Transparent Acrylic Baths

These baths are ideal when visibility of your application is required. Temperatures are maintained from ambient plus 13°C to a maximum of 80°C.

Useful accessories:

- Lifting Platform
- Tap Water Cooling Coil
- Test Tube Racks
- Fluids

See page 20 for complete list of available accessories.



Controller ▼	Bath ►	S6T	S12T	S19T
SC100		Amb +13 to 80°C	Amb +13 to 80°C	Amb +13 to 80°C
SC150		Amb +13 to 80°C	Amb +13 to 80°C	Amb +13 to 80°C
AC150		—	Amb +13 to 80°C	Amb +13 to 80°C
AC200		—	Amb +13 to 80°C	Amb +13 to 80°C
Bath volume (liters)*		6	12	19
Work area (DxWxL) mm/in		130 x 138 x 148.9 / 5.1 x 5.4 x 5.7	130 x 302 x 148.9 / 5.1 x 11.9 x 5.7	130 x 302 x 148.9 / 5.1 x 11.9 x 5.9
Net weight (kg/lb)		6.3 / 13.9	7.3 / 16.1	8.7 / 19.1
Compliance		CE/ROHS/WEEE	CE/ROHS/WEEE	CE/ROHS/WEEE

Ordering information:									
Model	S6T			S12T			S19T		
Voltages	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz
SC100 plus Bath	152-2068	152-2061	152-2066	152-2128	152-2121	152-2126	152-2198	152-2191	152-2196
SC150 plus Bath	153-2068	153-2061	153-2066	153-2128	153-2121	153-2126	153-2198	153-2191	153-2196
AC150 plus Bath	—	—	—	155-2128	155-2121	155-2126	155-2198	155-2191	155-2196
AC200 plus Bath	—	—	—	156-2128	156-2121	156-2126	156-2198	156-2191	156-2196

*Bath volume varies depending on the fluid used, temperature range, and items inserted in the reservoir.

PPO

Polyphenylene Oxide (PPO)

An economical alternative to stainless steel, these modified polyphenylene oxide baths are thermally resistant up to 100°C and deliver exceptional temperature performance with operational savings. Temperatures are maintained from ambient plus 13°C to 100°C.

Useful accessories:

- Tap Water Cooling Coil
- Solenoid Valve for Tap Water Cooling Coil (AC200 and above)
- Auto-refill (AC200 and above)
- External Temperature Probe (AC200 and above)
- Work Area Cover
- Lifting Platform
- Test Tube Racks
- Fluids

See page 20 for complete list of available accessories.

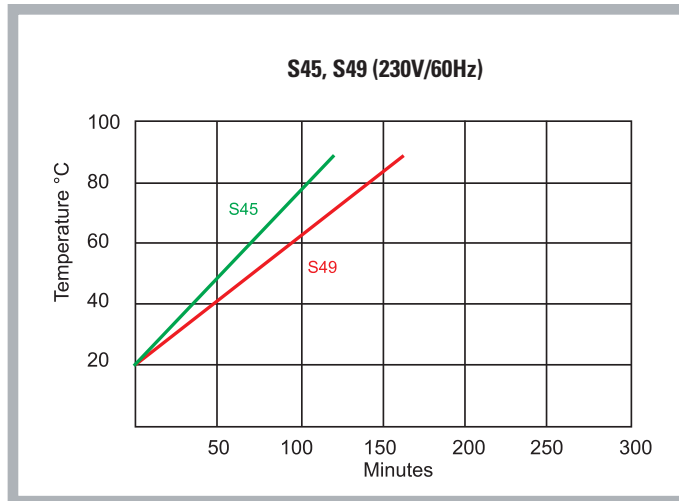
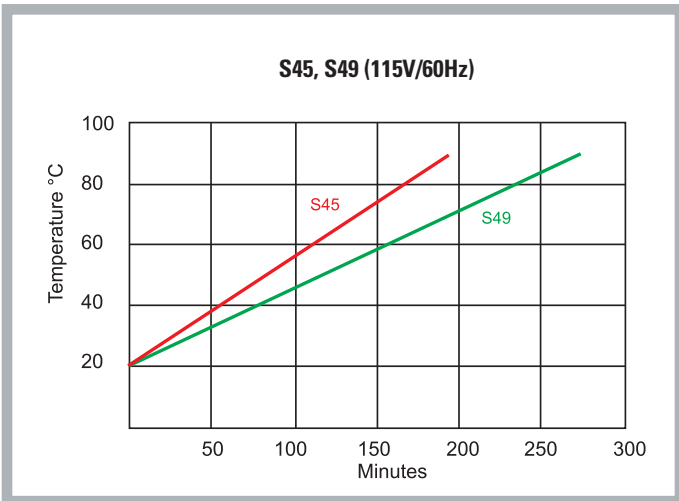
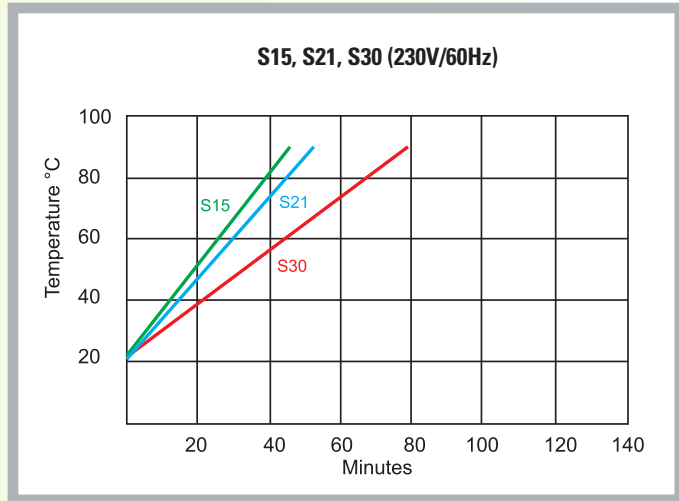
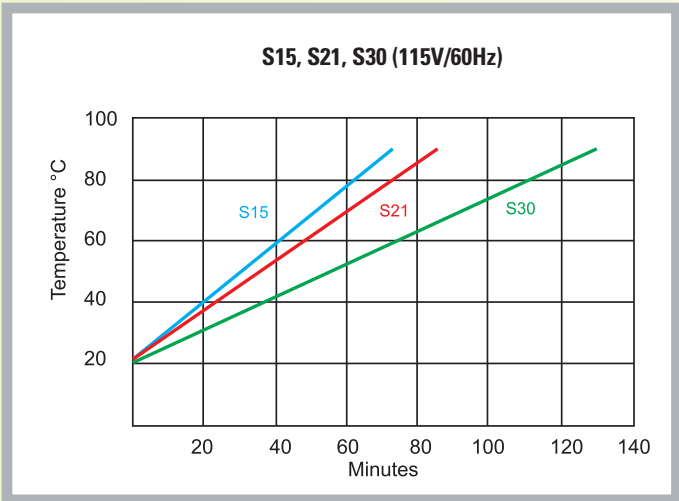
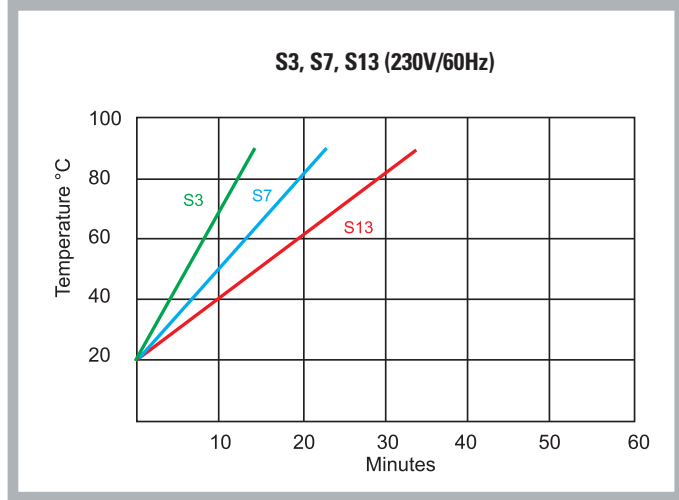
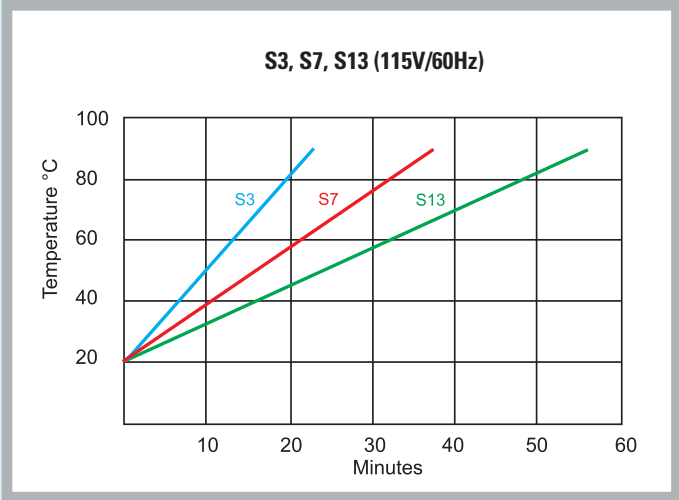


Controller ▼	Bath ►	S5P	S14P	S21P
SC100		Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
SC150		Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
AC150		—	Amb +13 to 100°C	Amb +13 to 100°C
AC200		—	Amb +13 to 100°C	Amb +13 to 100°C
Bath volume (liters)*		5	14	21
Work area (DxWxL) mm/in		130 x 132 x 133.4 / 5.1 x 5.2 x 5.6	130 x 300 x 163 / 5.1 x 11.8 x 6.4	130 x 300 x 353 / 5.1 x 11.8 x 13.9
Net weight (kg/lb)		5.1 / 11.2	6.3 / 13.9	6.6 / 14.5
Compliance		CE/ROHS/WEEE	CE/ROHS/WEEE	CE/ROHS/WEEE

Ordering information:

Voltages	S5P			S14P			S21P		
	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz	115V/60Hz	230V/50Hz	100V/50-60Hz
SC100 plus Bath	152-3058	152-3051	152-3056	152-3148	152-3141	152-3146	152-3218	152-3211	152-3216
SC150 plus Bath	153-3058	153-3051	153-3056	153-3148	153-3141	153-3146	153-3218	153-3211	153-3216
AC150 plus Bath	—	—	—	155-3148	155-3141	155-3146	155-3218	155-3211	155-3216
AC200 plus Bath	—	—	—	156-3148	156-3141	156-3146	156-3218	156-3211	156-3216

*Bath volume varies depending on the fluid used, temperature range, and items inserted in the reservoir.



Specifications obtained at sea level using water (above +5°C to +90°C) or a fluid with a specific heat of 2.3 kJ/kg-K or 0.55 Btu/lb-F (less than 5°C) as the recirculating fluid at a +20°C ambient condition, at nominal operating voltage. Other fluids, process temperatures, ambient temperatures, altitude or operating voltage will affect performance. Pump specifications are nominal values of ±10%. Specifications are for reference only and are subject to change. Heat-up rates for the 100V baths will take approximately 25% longer than the 115V