




Thermostats

Three options are available in the standard series. These thermostats can be repositioned on the bath at 90° for easy viewing.

SC 100	SC 150	SC 150L
		
<ul style="list-style-type: none"> • New Self-Tuning Fuzzy PI controller for optimized temperature control • Five programmable set temperatures • Real temperature adjustment (RTA) for calibration • Pump speed adjustment two level for turbulence reduction • Three languages (English, German, French) • Change digital display between 0.1 and 0.01 and between °C/F/K • Acoustic and optical alarm • Auto-Restart option after turn on or power failure 	<p>Includes the features of the SC 100, PLUS:</p> <ul style="list-style-type: none"> • Low-liquid level alarm • Automatic controller shut-down at detection of excessive high temperature, low liquid level, or motor overload • Communication options: <ul style="list-style-type: none"> o RS232 o RS485 o Ethernet/LAN o Analog I/O o USB port • Extended temperature control to +150 °C 	<p>Includes the features of the SC 150, PLUS:</p> <ul style="list-style-type: none"> • Long thermostat shaft to accommodate deep and large baths

Specifications			
Model	SC 100	SC 150	SC 150L
Immersion depth	75...145mm	75...145mm	75...195mm
Temperature range	Amb+ 13 to 100°C	Amb+ 13 to 150°C	Amb+ 13 to 150°C
Display (mm)	LCD 53 x 29	LCD 53 x 29	LCD 53 x 29
Dimensions (mm)	165 x 333 x 195	165 x 333 x 195	165 x 333 x 195
Net weight (kg)	3.3	3.3	3.3
Safety class	1 (NFL)	3 (FL)	3 (FL)
Order Number			
230V / 50Hz	152-0011	153-0011	154-0011
115V / 50Hz	152-0018	153-0018	164-0018
100V / 56-60Hz	152-0016	153-0016	154-0016

ARCTIC Series Refrigerated Bath/Circulators



Thermo Scientific refrigerated circulators feature a stainless steel reservoir offered in a range of sizes, depths and openings to meet your application needs. With capacities from 5L to 30L, these units offer recessed handles and drain port opening at the front for operator convenience. The advanced ventilation design allows two sides of the bath to be blocked and still deliver full refrigeration performance without affecting the equipment.

These units offer tight control of cooling capacities. Built-in energy-saving features limit power consumption for efficient operation, and the thermostats can be indexed 90° on all four sides of the bath.

Specifications: Open refrigeration baths (with the SC 100 & SC 150 thermostats)

Model	SC 100-A5B	SC 100-A10B	SC 100-A25B	SC 150-A5B	SC 150-A10B	SC 150-A25B
Temp range	-5 to 100°C	-5 to 100°C	-25 to 100°C	-50 to 150°C	-10 to 150°C	-25 to 150°C
Bath capacity (L)	6-15	18-30	13-20	6-15	18-30	13-20
Cooling capacity at 20°C	200W	250W	500W	200W	250W	500W
Dimensions H x W x L (mm)	470 x 419 x 738	470 x 410 x 913	739 x 324 x 541	470 x 410 x 738	470 x 419 x 913	739 x 324 x 541
Net weight (kg)	34.6	38.6	38.1	34.6	38.6	38.1
Safety class	1 (NFL)	1 (NFL)	1 (NFL)	3 (FL)	3 (FL)	3 (FL)
Order Number						
230V / 50Hz	152-051	152-4101	152-4251	153-4051	153-4101	153-4251
115V / 60Hz	152-058	152-4108	152-4258	153-4058	153-4108	153-4258
100V / 50-60Hz	152-4056	152-4106	153-4256	153-4056	153-4106	153-4256

Specifications: Refrigerated baths (with the SC 100 & SC 150 thermostats)

Model	SC 100-A28F	SC 100-A10	SC 100-A25	SC 100-A28	SC 150-A28F	SC 150-A10
Temp range	-28 to 100°C	-10 to 100°C	-25 to 100°C	-28 to 100°C	-28 to 150°C	-10 to 150°C
Bath capacity (L)	6-10	5	7-12	6-10	6-10	5
Cooling capacity at 20°C	320W	240W	500w	320W	320W	500W
Dimensions H x W x L (mm)	519 x 514 x 426	606 x 220 x 414	710 x 273 x 483	710 x 273 x 483	519 x 514 x 426	606 x 220 x 414
Net weight (kg)	41.6	28.8	34.1	34.1	41.6	28.8
Safety class	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	3 (FL)
Order Number						
230V / 50Hz	152-4281	152-5210	152-5251	152-5281	153-4281	153-5101
115V / 60Hz	152-4288	152-5108	152-5258	152-5288	153-4288	153-5108
100V / 50-60Hz	152-4286	152-5106	152-5256	152-5286	153-4286	153-5106

Specifications: Refrigerated baths (with the SC 100 & SC 150 thermostats) cont...

Model	SC 150-A25	SC 150-A28	SC 150L-A28F	SC 150L-A25	SC 150L-A28
Temp range	-25 to 150°C	-28 to 150°C	-28 to 150°C	-25 to 150°C	-28 to 150°C
Bath capacity (L)	7-12	6-10	6-10	7-12	6-10
Cooling capacity at 20°C	500W	320W	320W	500W	320W
Dimensions H x W x L (mm)	710 x 273 x 483	710 x 273 x 483	519 x 514 x 426	710 x 273 x 483	710 x 273 x 483
Net weight (kg)	34.1	34.1	41.6	34.1	34.1
Safety class	3 (FL)	3 (FL)	3 (FL)	3 (FL)	3 (FL)
Order Number					
230V / 50Hz	153-5251	153-5281	154-4281	154-5251	154-5281
115V / 60Hz	153-5258	153-5288	154-4286	154-5258	154-5288
100V / 50-60Hz	153-5256	153-5286	154-4288	154-5256	154-5286

Order Number								
23V / 50Hz	152-1031	152-1071	152-1131	152-1151	152-1211	152-1301	152-1451	152-1491
115V / 60Hz	152-1038	152-1078	152-1138	152-1158	152-1218	152-1308	152-1458	152-1498
100V 50-60Hz	152-1036	152-1076	152-1136	152-1156	152-1216	152-1306	152-1456	152-1496

Specifications: Stainless steel (with the SC 150 thermostat)								
Model	SC 150-S3	SC 150-S7	SC 150-S13	SC 150-S15	SC 150-S21	SC 150-S30	SC 150-S45	SC 150-S49
Temp range	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
Bath capacity (L)	3-5	4-7	8-13	11-20	9-12	17-30	34-45	29-49
Dimensions W x H x L (mm)	387 x 228 x 409	438 x 232 x 451	438 x 312 x 441	455 x 392 x 476	404 x 392 x 652	455 x 392 x 652	554 x 392 x 652	455 x 392 x 1002
Net weight (kg)	10.3	11.4	13.9	16.9	18.2	20.4	24.8	27.6
Safety class	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)	1 (NFL)
Order Number								
23V / 50Hz	153-1031	153-1071	153-1131	153-1151	153-1211	153-1301	153-1451	153-1491
115V / 60Hz	153-1038	153-1078	153-1138	153-1158	153-1218	153-1308	153-1458	153-1498
150V 50-60Hz	153-1036	153-1076	153-1136	153-1156	153-1216	153-1306	153-1456	153-1496

Specifications: Stainless steel (with the 150L thermostat)						
Model	SC 150L-S7	SC 150L-S13	SC 150L-S15	SC 150L-S30	SC 150L-S45	SC 150L-S49
Temp range	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
Bath capacity (L)	4-7	8-13	11-20	17-30	34-45	29-49
Dimensions W x H x L (mm)	438 x 232 x 451	438 x 312 x 441	455 x 392 x 476	455 x 392 x 652	554 x 392 x 652	455 x 392 x 1002
Net weight (kg)	11.4	13.9	16.9	20.4	24.8	27.6
Safety class	3 (FL)	3 (FL)	3 (FL)	3 (FL)	3 (FL)	3 (FL)
Order Number						
23V / 50Hz	153-1071	153-1131	153-1151	153-1301	153-1451	153-1491
115V / 60Hz	153-1078	153-1138	153-1158	153-1308	153-1458	153-1498
150V 50-60Hz	153-1076	153-1136	153-1156	153-1306	153-1456	153-1496

Call (800) 258-0830 / 603-436-9444

Email sales.tc.us@thermofisher.com