

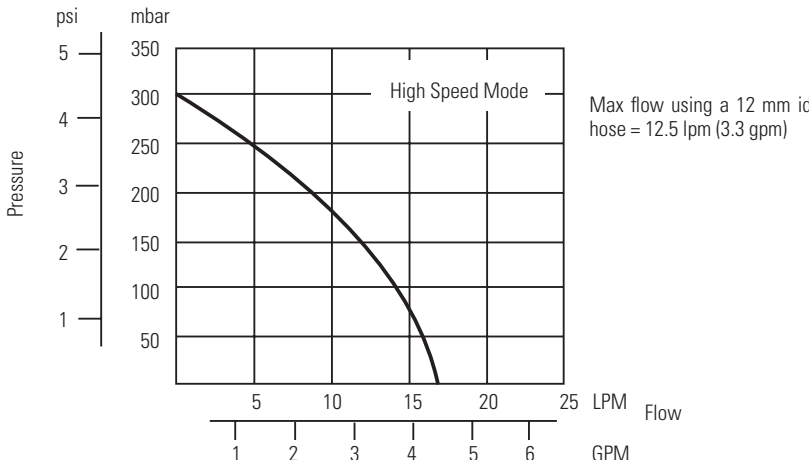
Section 2 General Information

Description

The Thermo Scientific STANDARD Series of Heated Immersion Circulators are used with refrigerated and heated baths. All circulators can pump to an external system. All controllers have a digital display and easy-to-use touch pad, five programmable setpoint temperatures, acoustic and optical alarms. SC150s and SC150Ls offer adjustable high temperature protection.

The SC100 is designed to be used only with water or glycol-water. The SC150 and SC150L have an independent low liquid level protection, and a design that allows use of different heat transfer liquids, see Section 3.

STANDARD Heated Immersion Circulator

Temperature Range °C °F	Ambient +13 to +100 Ambient +23 to +212	Ambient +13 to +150 Ambient +23 to +302	Ambient +13 to +150 Ambient +23 to +302
Temperature Stability °C	±0.02	±0.02	±0.02
Heater Capacity 230V/115V	2000/1200 Watts	2000/1200 Watts	2000/1200 Watts
Immersion Depth mm inches	75 to 145 3.0 to 5.7	75 to 145 3.0 to 5.7	75 to 190 3.0 to 7.5
Circulator Dimensions (H x W x D) mm inches	336 x 138 x 199 13.2 x 5.4 x 7.8	336 x 138 x 199 13.2 x 5.4 x 7.8	384 x 138 x 199 15.1 x 5.4 x 7.8
Net Weight kg lb	3.3 7.3	3.3 7.3	3.3 7.3
Pumping Capacity			
Electrical Requirements (Voltage ±10%)	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50 Hz		
USB Interface	No	Yes	Yes

- Performance specifications established in accordance with DIN 12 876 (using water at 70°C).
- Lower temperature ranges available with supplemental cooling.
- The maximum wall thickness for circulators that have a factory installed clamp is 26 mm.
- Thermo Fisher Scientific reserves the right to change specifications without notice.

ARCTIC Refrigerated/Heated Bath Circulator Specifications

Stainless Steel Refrigerated/Heated Bath Circulators					
	A10	A25	A28	A28F	A40
SC100 Temperature Range °C °F	-10 to 100 14 to 212	-25 to 100 -13 to 212	-28 to 100 -18 to 212	-28 to 100 -18 to 212	-10 to 100 14 to 212
SC150/150L Temperature Range °C °F	-10 to 100 14 to 212	-25 to 150 -13 to 302	-28 to 150 -18 to 302	-28 to 150 -18 to 302	-28 to 150 -18 to 302
Bath Volume liters gallons	4 - 6 1.1 - 1.6	7 - 12 1.8 - 3.2	6 - 10 1.6 - 2.6	6 - 10 1.6 - 2.6	7 - 12 1.8 - 3.2
Cooling Capacity watts	240	500	320	320	900
Refrigerant	R134a	R134a	R134a	R134a	R404
Overall Dimensions (H x W x D)* mm inches	631 x 220 x 414 24.9 x 8.7 x 16.3	711 x 273 x 483 28.0 x 10.7 x 19.0	711 x 273 x 483 28.0 x 10.7 x 19.0	520 x 514 x 426 20.5 x 20.2 x 16.8	749 x 385 x 519 29.5 x 15.2 x 20.4
Work Area Dimensions (D x W x L) mm inches	150 x 137 x 124 5.9 x 5.4 x 4.9	200 x 173 x 184 8.0 x 6.8 x 7.2	200 x 173 x 129 8.0 x 6.8 x 5.1	200 x 173 x 129 8.0 x 6.8 x 5.1	200 x 173 x 184 8.0 x 6.8 x 7.2
Net Weight kg/lb	27.5/60.6	36.1/79.5	36.0/79.1	35.6/78.3	55.2/121.5
Electrical Requirements** (Voltage ±10%)	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50 Hz				

Stainless Steel Refrigerated/Heated Bath Circulators				
	A5B	A10B	A24B	A25B
SC100 Temperature Range °C °F	-5 to 100 23 to 212	-10 to 100 14 to 212	-24 to 100 -11 to 212	-25 to 100 -13 to 212
SC150/150L Temperature Range °C °F	-5 to 100 23 to 212	-10 to 100 14 to 212	-24 to 150 -11 to 302	-25 to 150 -13 to 302
Bath Volume liters gallons	12 - 21 3.2 - 5.5	17 - 30 4.5 - 7.9	16 - 27 4.2 - 7.1	13 - 21 3.4 - 5.5
Cooling Capacity watts	200	250	900	500
Refrigerant	R134a	R134a	R404	R134a
Overall Dimensions (H x W x D)* mm inches	471 x 429 x 738 18.5 x 16.9 x 29.1	471 x 429 x 913 18.5 x 16.9 x 35.9	574 x 765 x 610 22.6 x 30.1 x 24.0	740 x 324 x 541 29.1 x 12.8 x 21.3
Work Area Dimensions (D x W x L) mm inches	200 x 297 x 190 7.9 x 11.7 x 7.5	200 x 297 x 365 7.9 x 11.7 x 13.4	200 x 297 x 313 7.9 x 11.7 x 12.3	233 x 224 x 244 9.2 x 8.8 x 9.6
Net Weight kg/lb	40.0/88.9	44.5/97.9	58.6/128.9	42.3/93.1
Electrical Requirements** (Voltage ±10%)	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50 Hz			

*Add ~26 mm (1 inch) to D for drain fitting.

**See Section 3 for additional information.

- Thermo Fisher Scientific reserves the right to change specifications without notice.