

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

	SC100	SC150	SC150L
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.