

Section 2 General Information

Description and Intended Use

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

The circulator is designed for use in a clean laboratory environment and in accordance with the Letter of Compliance located at the end of this manual.

ADVANCED Heated Immersion Circulators

	AC150	AC200
Temperature Range °C °F	Ambient +13 to +150 Ambient +23 to +302	Ambient +13 to +200 Ambient +23 to +392
Temperature Stability °C	±0.01	±0.01
Heater Capacity 230V/115V watts	2000/1200	2000/1200
Circulator Dimensions (H x W x D) mm inches	372 x 165 x 199 14.6 x 6.4 x 7.8	372 x 165 x 199 14.6 x 6.4 x 7.8
Reservoir Depth Requirement mm inches	150 5.9	150 5.9
Fill Level mm (from top of reservoir)	57.22	57.22
Required Reservoir Depth mm	150	150
Net Weight kg/lb	4.2/9.3	4.2/9.3
Pumping Capacity Max flow rate lpm/gpm Max pressure (mbar/psi) Max suction Pump speed steps	20/5.3 475/6.89 330/4.85 3	20/5.3 475/6.89 330/4.85 3
Electrical Requirements (Voltage ±10%)	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50.60 Hz	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50.60 Hz
Connectivity Remote sensor port USB port Multi function port RS232/RS485/Ethernet/LAN Analog I/O	Yes No No Optional No	Yes Yes Yes Optional Optional

- Performance specifications established in accordance with DIN 12876 (using water at 70°C).
- Lower temperature ranges available with supplemental cooling.
- The maximum bath wall thickness for circulators that have a factory installed clamp is 26 mm.
- Thermo Fisher Scientific reserves the right to change specifications without notice.