

Thermo Scientific™ SAHARA™ Stainless Steel Heated Circulating Baths

Rugged and corrosion resistant for high temperature applications

- Microprocessor PID controller for fast and precise temperature control
- Control head can be indexed 90° left or right for easy viewing

SAHARA baths with Standard Controllers (SC) feature an LCD with temperature and set point values displayed simultaneously in choice of °C, °F, or K at 0.1 or 0.01 resolution, fluid selection with predefined temperature limits, and a two-speed force pump for excellent temperature uniformity and external closed loop circulation.

Additional features include five preset set point temperatures, application temperature limits, real-time clock with on/off timer, three languages (English, French, and German), and acoustic and visual alarms. The SC 150 models also include a USB port for serial communication. The SC 150L models have an increased immersion depth for better mixing.

SAHARA baths with Advanced Controllers (AC) have all the same features as the SC models with a larger LCD, plus include a powerful three-speed force/suction pump for external open and closed loop applications. Additional feature includes seven languages (English, German, French, Spanish, Italian, Chinese, and Japanese).

The AC 200 models also offer one 10-step ramp program and a USB port for serial communication (USB not included on AC 150).

What's included: bridge with gasket and thumbscrews, 8-mm and 12-mm hose barbs with clamps for external circulation, a 6-ft (1.8-m) power cord, and work area cover (except for 41- and 53-L baths).



12142-50

Specifications

Wetted materials: stainless steel, polymers



Controller type	Capacity	Temperature range	Stability	Pump type	Max pump pressure psi (mbar)	Max pump flow	Low-level cutoff	Working area (W x L x D)	Power (VAC, Hz)	Catalog number	Price
Standard Controller Circulating Baths											
SC 100	6 L	Ambient +13 to 100°C	±0.02°C	Force	4.35 (300)	17 L/min	No	6" x 4 3/8" x 6" (15.2 x 11.1 x 15.2 cm)	115, 60 230, 50	GH-12140-00 GH-12140-05	
SC 100	26 L	Ambient +13 to 100°C	±0.02°C	Force	4.35 (300)	17 L/min	No	11 3/4" x 12 5/16" x 7 15/16" (29.8 x 32.9 x 20.2 cm)	115, 60 230, 50	GH-12144-00 GH-12144-05	
SC 150	6 L	Ambient +13 to 150°C	±0.02°C	Force	4.35 (300)	17 L/min	Yes	6" x 4 3/8" x 6" (15.2 x 11.1 x 15.2 cm)	115, 60 230, 50	GH-12140-20 GH-12140-25	
SC 150	8 L	Ambient +13 to 150°C	±0.02°C	Force	4.35 (300)	17 L/min	Yes	6" x 4 3/8" x 7 3/8" (15.2 x 11.1 x 18.7 cm)	115, 60 230, 50	GH-12140-30 GH-12140-35	
SC 150	19 L	Ambient +13 to 150°C	±0.02°C	Force	4.35 (300)	17 L/min	Yes	11 3/4" x 12 3/8" x 5 15/16" (29.8 x 31.4 x 15.1 cm)	115, 60 230, 50	GH-12142-50 GH-12142-55	
SC 150	26 L	Ambient +13 to 150°C	±0.02°C	Force	4.35 (300)	17 L/min	Yes	11 3/4" x 12 5/16" x 7 15/16" (29.8 x 32.9 x 20.2 cm)	115, 60 230, 50	GH-12144-30 GH-12144-35	
SC 150L	8 L	Ambient +13 to 150°C	±0.02°C	Force	4.35 (300)	17 L/min	Yes	6" x 4 3/8" x 7 3/8" (15.2 x 11.1 x 18.7 cm)	115, 60 230, 50	GH-12140-40 GH-12140-45	
Advanced Controller Circulating Baths											
AC 150	12 L	Ambient +13 to 150°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	4 3/8" x 9 3/8" x 7 7/8" (11.2 x 23.9 x 20.1 cm)	115, 60 230, 50/60	GH-12143-00 GH-12143-05	
AC 150	26 L	Ambient +13 to 150°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	11 3/4" x 12 5/16" x 7 15/16" (29.8 x 31.2 x 20.2 cm)	115, 60 230, 50/60	GH-12147-00 GH-12147-05	
AC 200	6 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	6" x 4 3/8" x 6" (15.2 x 11.2 x 15.2 cm)	115, 60 230, 50/60	GH-12141-20 GH-12141-25	
AC 200	12 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	4 3/8" x 9 3/8" x 7 7/8" (11.2 x 23.9 x 20.1 cm)	115, 60 230, 50/60	GH-12143-30 GH-12143-35	
AC 200	17 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	11 13/16" x 5 1/2" x 7 15/16" (30 x 14 x 20.2 cm)	115, 60 230, 50/60	GH-12143-40 GH-12143-45	
AC 200	19 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	11 3/4" x 12 3/8" x 5 15/16" (29.8 x 31.4 x 15.1 cm)	115, 60 230, 50/60	GH-12143-50 GH-12143-55	
AC 200	41 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	11 3/4" x 12 5/16" x 11 13/16" (29.8 x 31.2 x 30 cm)	115, 60 230, 50/60	GH-12147-40 GH-12147-45	
AC 200	53 L	Ambient +13 to 200°C	±0.01°C	Force/suction	11.6 (805)	20 L/min	Yes	19 1/16" x 16 7/8" x 7 7/8" (49.7 x 42.8 x 20.1 cm)	115, 60 230, 50/60	GH-12147-50 GH-12147-55	

Accessories

[GH-12142-26](#) Lid, stainless steel with handle for 41-L baths

[GH-12144-26](#) Lid, stainless steel with handle for 53-L baths

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