

HAAKE SC 150L
Immersion Circulator



**Limited Availability
Used and in Excellent Condition**

Open Web Page

<https://www.artisantg.com/71735-1>

All trademarks, brandnames, and brands appearing herein are the property of their respective owners.



Your **definitive** source
for quality pre-owned
equipment.

Artisan Technology Group

(217) 352-9330 | sales@artisantg.com | artisantg.com

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.



[152-0018](#)

STANDARD and ADVANCED Immersion Circulators

Versatile Thermo Scientific immersion circulators are offered in two performance levels: STANDARD (SC) and ADVANCED (AC).

These Thermo Scientific thermostats combine the best temperature control technologies with multiple features and benefits.

Maintain temperatures from ambient +13° to 300°C in tanks, jar baths, aquaria, or other vessels with capacities up to 13.75 gal. (50L).

AC 150 model features include:

- Temp. stability: 0.01
- Force / Suction pump with 475 mbar pressure and 20 L/min flow
- Heating capacity 1.2 KW
- External T control via PT100 sensor port
- Application threshold alarms to safeguard your experiment
- Temperature high and low limits
- 8 languages —English, French, German, Chinese, Russian, Spanish, Japanese, Italian

AC 200 model features include:

All features of AC150 with these added:

- Ramp program with 10 steps
- Edit ramp during run or pause
- USB port for remote control
- Real-time clock
- Multifunction port connects
- Booster pump (1 bar extra)
Booster heater (2 kW extra)
Auto refill device
- Magnetic / Solenoid valve box (e.g. control tap–water cooling)

Standard Thermostats (SC 100, SC 150, SC 150L)

- Microprocessor PID controller
- Five programmable set temperatures
- RTA (Real Temperature Adjustment) for calibration of five set temperatures
- Pump speed adjustment to two levels for turbulence control
- Three languages (English, German, French)
- Easy-to-use keypad for setpoints, warning/safety values, and menu functions
- Large 2 x 1 in. LCD display for convenient interactive operation

- Change digital display resolution between 0.1° and 0.01° and between °C, °F, or °K
- Controller shuts down at first sign of excessive high temperature, low liquid level (except SC 100) or motor overload
- Low-liquid-level alarm (except SC 100)
- Acoustic and optical alarm to turn on protect application
- Auto-Restart option after turnon or power failure
- USB communication port (SC 150, SC 150L only)
- Communication option for RS-232, RS-485, Ethernet/LAN, Analog I/O (SC 150 and SC 150L only)
- SC 150L has a long shaft for deep and large baths

Advanced Thermostats (AC 150 and AC 200)

All of the Standard Thermostat features, plus:

- Pump speed adjustment to three levels for turbulence control
- Powerful force and suction pump for external open and closed applications
- Internal and external temperature control mode (Remote Sensor, NAMUR type)
- Programmable application temperature alarm with user-selected noise, go-save-state or shutoff option
- Ramp programming (AC 200), with edit during ramp feature
- Whole range Calibration of n points (AC 200)
- Eight languages (English, German, French, Spanish, Italian, Chinese, Russian, and Japanese)
- Early-warning alert for fluid refill
- Guided filling procedure, guided draining procedure
- AC 200 controller features a timer with real-time clock for time-critical applications
- Selection of predefined temperature fluids (with automatic set of high and low limits)
- Customization of control parameters for external and internal temperature control via serial communication (allows PID portion changes)
- Extra communication option for Profibus, CAN bus Analog I/O (AC 200U)
- Plumbing connection for M16x1, 0.25 in. NPT male, 0.375 in. O.D.

Ordering Alerts: Options include water cooling coil to extend the temperature range in bath with process cooling water supply; communication extension board with LAN cable for RS232, RS485, Ethernet/LAN; and communication extension board for Profibus, CAN bus.

Specifications

Display LCD
 Display Size LCD 2 x 1 in. (53 x 29mm)
 Power Consumption 1.2kW (115V)

Model	Temperature Range	Temperature Stability	Immersion Depth	Max. Pump Flowrate	Max. Pump Force	Max. Pump Pressure
SC 100	100°C	0.02°C	75 to 145mm	15L/min.	NA	300mbar/4.35psi
SC 150	150°C	0.02°C	75 to 145mm	15L/min.	NA	300mbar/4.35psi
SC 150L	150°C	0.02°C	75 to 190mm	15L/min.	NA	300mbar/4.35psi
AC 150	Ambient +13° to 150°C	0.015°C	75 to 145mm	21L/min.	330mbar/4.85psi	475mbar/6.89psi
AC 200	Ambient +13° to 200°C	0.015°C	75 to 145mm	21L/min.	330mbar/4.85psi	475mbar/6.89psi

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at [artisanng.com](https://www.artisanng.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisanng.com | [artisanng.com](https://www.artisanng.com)

