

Cole-Parmer® StableTemp® Digital Utility Water Baths

Get digital accuracy at an analogue price

- Recall settings at the touch of a button
- Know when process is complete with built-in timer

Dual thermostat baths provide $\pm 0.1^\circ\text{C}$ precision and over-temperature safety feature prevents over-heating. Seamless tank eliminates rusting and is easy to clean.



StableTemp

ISO9001:2008 CERTIFIED SUPPLIER

Specifications

Temperature range: 5°C above ambient to 100°C
Temperature stability: $\pm 0.1^\circ\text{C}$
Temperature uniformity: $\pm 0.2^\circ\text{C}$
Wetted materials: 304 SS
High-temperature cutoff: yes

Bath capacity	Opening (L x W)	Working depth	Power	Catalogue number
2 L	9.8 x 11 cm	14 cm	240 VAC, 50 Hz	MY-14576-02
5 L	12.7 x 27.5 cm	14 cm	240 VAC, 50 Hz	MY-14576-06

Cole-Parmer® Polystat® Cooling/Heating Recirculators

Save time with quick ramp up and cool-down

- Don't lose valuable bench space—powerful unit in a compact design
- Internal circulating tank design was built to minimise fluid evaporation
- Easy cooling for smaller instruments, jacketed reactors, and rotary evaporators
- Reliable, robust system maintains temperature to $\pm 0.1^\circ\text{C}$ and pumps to 21-L/min
- Includes funnel and 8- and 12-mm hose barb fittings



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UL US CE

Specifications

Internal reservoir capacity: 2.8-L **Temperature stability:** $\pm 0.1^\circ$

Cooling capacity at 20°C	Temperature range	Power	Catalogue number
Force pump; 17 L/min flow rate; 4.4 psi (300 mbar) max pressure			
250 W	-10 to 80°C	240 VAC, 50 Hz	MY-13042-03
500 W	-10 to 80°C	240 VAC, 50 Hz	MY-13042-19
Force/suction pump; 21 L/min flow rate; 11 psi (805 mbar) max pressure			
250 W	-10 to 80°C	240 VAC, 50 Hz	MY-13042-07
500 W	-10 to 80°C	240 VAC, 50 Hz	MY-13042-23

Cole-Parmer® Polystat® Cooling/Heating Circulating Baths

Get excellent cooling across range of temperatures

- Two-speed pump with up to 21-L/min flow
- Maximise bench space with compact size
- Protect samples and bath with high-temperature and low-level cut offs

Standard Digital Controller Baths feature five programmable set points, adjustable high-temperature cutoff, user-settable Min/Max temperature limits, and an adjustable pump nozzle. **Advanced Digital Controller Baths** offer all the features of the Standard Digital models (except adjustable pump nozzle) plus five programmable set points, a two-stage (force/suction) pump for greater circulation capacity, and a USB port.

What's included: lid, 1.8-m (6-ft) power cord with plug, M16 x 1 pump connection and 8- and 12-mm hose barb fittings with clamps for external circulation.

Specifications

Wetted materials: stainless steel, polymers **Low-level cutoff:** yes

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Bath capacity	Temperature range	Stability	Cooling capacity at 20°C	Pump type	Max pump pressure psi (mbar)	Max pump flow (L/min)	Working area (W x L x D)	Power (VAC, Hz)	Catalogue number
Standard digital controller baths									
6.5 L	-20 to 100°C	$\pm 0.05^\circ\text{C}$	250 W	Force	4.4 (310)	17	13.5 x 12.2 x 15 cm (5 $\frac{1}{16}$ " x 4 $\frac{13}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-04
8.6 L	-28 to 100°C	$\pm 0.05^\circ\text{C}$	500 W	Force	4.4 (310)	17	17.3 x 18.3 x 15 cm (6 $\frac{13}{16}$ " x 7 $\frac{3}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-34
8.6 L	-28 to 150°C	$\pm 0.05^\circ\text{C}$	500 W	Force	4.4 (310)	17	17.3 x 18.3 x 15 cm (6 $\frac{13}{16}$ " x 7 $\frac{3}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-38
Advanced digital controller baths									
6.5 L	-20 to 100°C	$\pm 0.025^\circ\text{C}$	250 W	Force/suction	11.7 (750)	21	13.5 x 12.2 x 15 cm (5 $\frac{1}{16}$ " x 4 $\frac{13}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-14
6.5 L	-20 to 100°C	$\pm 0.025^\circ\text{C}$	250 W	Force/suction	11.7 (750)	21	13.5 x 12.2 x 15 cm (5 $\frac{1}{16}$ " x 4 $\frac{13}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-28
8.6 L	-28 to 200°C	$\pm 0.025^\circ\text{C}$	500 W	Force/suction	11.7 (750)	21	17.3 x 18.3 x 15 cm (6 $\frac{13}{16}$ " x 7 $\frac{3}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50	MY-12122-44
8.6 L	-35 to 200°C	$\pm 0.025^\circ\text{C}$	800 W	Force/suction	11.7 (750)	21	17.3 x 18.3 x 15 cm (6 $\frac{13}{16}$ " x 7 $\frac{3}{16}$ " x 5 $\frac{7}{8}$ ")	230, 50†	MY-12122-58

†Requires 20 amp current.

Stuart® Shaking Water Bath

Customise to your needs with platforms and racks

- No need for tricky fittings—strong magnets make changing platforms easy
- Analogue controls and digital temperature display simplify operation
- Over-temperature and low-level cut-offs improve safety

Versatile water bath can be a linear (reciprocating) or orbital shaker, or used as a static bath, depending on the platform you choose. The two shaking platforms come with high-tension springs which accommodate most bottle and flask sizes; with capacity of 8 x 250-mL, 6 x 500-mL, or 4 x 1000-mL Erlenmeyer flasks. For tubes and smaller vessels, order an optional stainless steel rack.



REQUIRED System Components

- 1) Water bath
- 2) Platform
- OPTIONAL
- 3) Racks



Specifications

Temperature range: ambient +5°C to 95°C† **Wetted materials:** 304 stainless steel
Temperature stability: ±0.25°C

Bath capacity	Bath opening (L x W)	Working depth	Shaking speed	Stroke length/ orbit size	Power		Catalogue number
					VAC	Hz	
24 L	30 x 50 cm (12" x 19 5/8")	20 cm (7 7/8")	20 to 150 rpm	20 mm (3/4")	220	60	MY-12152-01
					230	50	MY-12152-02

†An accessory bath cover is required to reach temperatures above 90°C.

Accessories

MY-12152-99 Hinged polycarbonate bath cover reduces heat loss and evaporation

Platforms (one required)

Description	Catalogue number
Reciprocating shaking action	MY-12152-90
Orbital shaking action	MY-12152-91
Perforated, for use as a nonshaking bath	MY-12152-92

Optional Tube Racks

Accommodates	Catalogue number
Centrifuge tubes, 25 x 50 mL	MY-12152-93
Microcentrifuge tubes, 143 x 1.5 mL	MY-12152-94
Culture tubes, 120 x 13 mm dia	MY-12152-95
Culture tubes, 72 x 16 mm dia	MY-12152-96
Culture tubes, 56 x 15 mL	MY-12152-97
Culture tubes, 30 x 26 mm dia	MY-12152-98

Techne® Unheated Water Baths

Corrosion-resistant stainless steel for easy cleaning

- Constructed of durable stainless steel with rugged splash-proof case
- Integrated carrying handle for added safety

Designed to be used with a Techne clip-on immersion circulator (sold separately on page 12), these water baths are supplied with bridge mounting plate to hold the circulator.



Model number	B-8	B-12	B-18	B-26	B-48
Catalogue number	MY-16104-53	MY-16101-88	MY-16112-01	MY-16101-89	MY-16104-45
Capacity	8 L	12 L	18 L	26 L	48 L
Working area (L x W)	115 x 300 mm	205 x 300 mm	380 x 300 mm	380 x 300 mm	430 x 330 mm
Working depth (min/max)	100 / 130 mm	100 / 130 mm	100 / 130 mm	150 / 180 mm	224 / 255 mm
Overall dimensions (W x H x D)	325 x 172 x 265 mm	325 x 172 x 354 mm	325 x 172 x 530 mm	325 x 222 x 530 mm	365 x 298 x 594 mm

Techne® Immersion Circulators

Remain in control with higher stability

Basic Digital Circulator offers precise PID temperature control at a competitive price. Unit also features digital LED display, $\pm 0.01^\circ\text{C}$ stability, over-temperature indicator light, pressure pump, and low-liquid level cut-off.

Standard Digital Circulator provides high $\pm 0.005^\circ\text{C}$ temperature stability, plus RS-232 interface capability. Bidirectional RS-232 lets you control bath remotely and download data to a computer for further analysis. Unit also features digital LED display, over-temperature indicator light, pressure pump, and low-liquid level cut-off.

What's included: 2.3-m (7½-ft) cord with European plug and a thermometer holder.



Specifications

Wetted materials: 316 stainless steel and PPS (polyphenylene sulphide)

Immersion depth: 10.2 to 12.7 cm (4" to 5")

Controller type	Temperature range	Stability	Pump type	Max pump pressure psi (mbar)	Max flow (L/min)	Low-level cutoff	Power (VAC, Hz)	Catalogue number
Basic digital	Ambient +5 to 120°C	$\pm 0.01^\circ\text{C}$	Force	2.1 (145)	10	Yes	240, 50/60	MY-01262-07
Standard digital	Ambient +5 to 200°C	$\pm 0.005^\circ\text{C}$	Force	2.1 (145)	10	Yes	240, 50/60	MY-01262-15

Stuart® Recirculating Coolers

Powerful cooling in a compact footprint

- Optimise accuracy with easy temperature offset calibration
- Worry-free operation—visual safety alarm indicates overload
- Easily read current temperature readout on LED display

These reliable, easy-to-use recirculating coolers offer accurate and powerful cooling for an external device. Coolers can achieve temperatures down to -20°C , making them ideal for controlling equipment in temperature-sensitive applications. Units feature LED digital display, alarm indicator, temperature set point control, and calibration. The 9-mm ID hose barb inlet/outlet ports allow connection to a variety of external equipment.

Note: Do not use water in cooler for low temperatures. Requires use of an antifreeze-type liquid such as ethylene glycol solution.

What's included: bath cover and power cord with UK 3-pin and Schuko 2-plug plugs.



Specifications

Temperature range: -20 to 30°C

Control accuracy: $\pm 2^\circ\text{C}$



Reservoir capacity	Cooling capacity at 10°C	Flow rate (L/min)	External dimensions (W x H x D)	Power (VAC, Hz)	Catalogue number
3.2 L	450 W	9	20.5 x 54.5 x 44.5 cm	230, 50	MY-12152-77
14 L	1200 W	18	35.4 x 85.1 x 38.4 cm	230, 50	MY-12152-78

MY-017001-13 ILAC MRA, NIST-traceable calibration with data for chiller

Cole-Parmer® Polystat® High-Capacity Recirculating Chillers

Cool across a wider range

- High and low temperature alarms
- Front-mount pressure gauge for easy view of pressure readings
- Eliminate tap water waste
- Large fill port for easy spill-proof filling

Robust pump performance for closed loop recirculation up to 2.0 kW. Three pump options handle a variety of application requirements. These chillers have an intuitive digital controller with a seamless moisture-resistant keypad. Illuminated icons simplify monitoring and adjusting operation parameters. You can adjust display resolution of 1° or 0.1°C.

What's included: power cord and male pipe adapters with barbed fittings for 1/2" ID tubing.

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Specifications

Wetted materials: polyethylene, brass, copper, PVC, stainless steel

Refrigerant: R-134a



Reservoir capacity	Temperature range	Compressor hp	Cooling capacity (watts)			Max pump pressure psi (mbar)	Max flow at 0 head	Power (VAC, Hz, amps)	Catalogue number
			0°C	10°C	20°C				
7.6 L	-10 to 30°C	1/4	175	410	600	95 (6550)	6.4 L/min	230, 50, 5.1	MY-12911-02
7.6 L	-10 to 30°C	1/3	240	375	900	95 (6550)	6.4 L/min	230, 50, 6.3	MY-12911-06
7.6 L	-10 to 30°C	1/2	240	375	900	95 (6550)	14 L/min	230, 50, 7.6	MY-12911-10
18.9 L	-10 to 30°C	3/4	375	1100	2000	95 (6550)	6.4 L/min	208-230, 60, 8.8	MY-12911-16
			325	1025	1900			230, 50, 8.8	MY-12911-18
18.9 L	-10 to 30°C	3/4	375	1100	2000	95 (6550)	14 L/min	208-230, 60, 10.1	MY-12911-20
			325	1025	1900			230, 50, 10.1	MY-12911-22

Julabo FL-Series Recirculating Industrial Chillers

Reach temperatures down to -20°C

- Powerful circulating pumps with gauge and bypass valve to adjust pressure
- Overload protection for pump motor and cooling unit
- "Black box" function with error memory for remote diagnosis
- Environmentally friendly operation with low energy consumption

Easy-to-setup PID temperature control with an LED display and a one point temperature calibration provide maximum accuracy. RS-232 interface allows quick temperature data transfer.

These powerful recirculating chillers are ergonomically designed for easy operation. Features include rollers for easy movement; easy filling with fill-level indicator; accessible drain tap; no side vents, so can be placed against other instruments; and removable grid venting makes it easy to keep the condenser clean and running at full cooling capacity.

Choose from air- and water-cooled models. See our full offering online.

What's included: two barbed fittings for 3/4" ID tubing for pump connections and 1.8-m (6-ft) power cord.



Specifications

Reservoir capacity: 30 L

Temperature range: -20 to 40°C

Temperature stability: ±0.5°C

Wetted materials: stainless steel
Drain valve: yes



Cooling capacity (watts)			Max pump pressure psi (mbar)	Max flow (L/min)	Power (VAC, Hz)	Catalogue number
-10°C	0°C	20°C				
Air-cooled models						
1.2	1.5	2.5	43 (2900)	40	240, 50	MY-12149-22
1.5	2.4	4	43 (2900)	40	240, 50	MY-12149-25
Water-cooled models						
1.0	1.7	2.7	43 (2900)	40	240, 50	MY-12149-32
1.3	2.2	4.3	43 (2900)	40	240, 50	MY-12149-36