

1-800-GRAINGER (472-4643)



Water Baths

Provide exact, stable temperature control. Ideal for heating and maintaining temperature-sensitive samples. Units include a corrosion-resistant, stainless steel reservoir and a digital display.

LW Scientific models offer an open reservoir, touchpad digital controller and red LED display.

PolyScience general purpose water baths feature a reservoir with a hinged gable cover and built-in drain, timer modes, and memory function.



Cap.	Temp. Accuracy	Temp. Range	Flow Rate	Material	Volume	H	Chamber			Brand	Item No.
							W	D			
10 L	±0.2°C	Ambient 5° to 100°C	10 lpm	Aluminum	10 L	6 in	12 in	10 in	LW Scientific	45UA82	
20 L	±0.2°C		2 lpm	Stainless Steel	20 L	6 in	19.3 in	11.4 in	LW Scientific	45UA83	
2 L	±0.25°C		2 lpm		2 L	6 in	4.3 in	6 in		494F23	
5 L	±0.25°C		5 lpm		5 L	6 in	10.8 in	6 in		494F24	
10 L	±0.25°C	Ambient	10 lpm	Polycarbonate	10 L	6 in	11.6 in	6 in	PolyScience	494F25	
20 L	±0.25°C	+5° to 99°C	20 lpm	Stainless Steel	20 L	9.5 in	17 in	6 in	PolyScience	494F26	
28 L	±0.25°C		28 lpm		28 L	8 in	17 in	8 in		494F27	

Heated and Refrigerated Circulators

Each unit includes a controller with easy-to-read LCD displays and menu prompts to guide users. Circulators limit excessive over-temperature protection by stirring. All circulators are made from powder painted steel.

Heated Circulators are ideal for warming reagents and culture media, thawing or tempering samples, biological incubation, cell culture, enzyme assays, or controlling the temperature of laboratory equipment such as chromatography columns, viscometers

and densitometers. Users can set their own temperature setpoints. The chemical resistant deck surface is cooler to the touch when operating at high temperatures.

Refrigerated Low-Profile Circulators offer quiet, energy efficient operation to regulate the amount of cooling needed. Low-profile models offer a space-saving design.

Heated and Refrigerated Circulators have large bath openings and chemical resistant decks on the units for easy cleaning.



Controller Type	Cap.	Temp. Accuracy	Temp. Range (C)	Temp. Range (F)	Flow Rate	Pump Type	H	Chamber W	D	Item No.
Heated Circulators										
Advanced Digital	7 L	±0.01°C			20.1 lpm	Pressure, Suction	6.18 in	5.59 in	5 in	12C264
	15 L	±0.01°C			20.1 lpm		8.35 in	10.88 in	5.5 in	12C270
Advanced Programmable	20 L	±0.01°C	Ambient +10° to 200°	Ambient +20° to 392°	20.1 lpm	Pressure, Suction	9.85 in	5.5 in	12.45 in	12C276
	7 L	±0.01°C			20.1 lpm		6.18 in	5.59 in	5 in	12C265
	15 L	±0.01°C			20.1 lpm		8.35 in	10.88 in	5.5 in	12C271
MX	20 L	±0.01°C			20.1 lpm	Pressure	9.85 in	5.5 in	12.45 in	12C277
	7 L	±0.07°C	Ambient +10° to 135°	Ambient +20° to 275°	12.8 lpm		6.18 in	5.59 in	5 in	12C262
	15 L	±0.07°C			12.8 lpm		5.5 in	10.87 in	8.34 in	12C268
Standard Digital	20 L	±0.07°C			12.8 lpm	Pressure	5.5 in	12.43 in	9.84 in	12C274
	7 L	±0.04°C	Ambient +10° to 170°	Ambient +20° to 338°	11 lpm		6.18 in	5.59 in	5 in	12C263
	15 L	±0.04°C			11 lpm		5.5 in	10.87 in	8.34 in	12C269
	20 L	±0.04°C			11 lpm		9.85 in	5.5 in	12.45 in	12C275
Refrigerated Low-Profile Circulators										
Advanced Digital	7 L	±0.01°C	-20° to 200°	-4° to 392°	20.1 lpm	Pressure, Suction	6.18 in	5.59 in	5 in	12C223
Advanced Programmable	7 L	±0.01°C			20.1 lpm	Suction	6.18 in	5.59 in	5 in	12C224
MX	7 L	±0.07°C	-20° to 135°	-4° to 275°	12.8 lpm	Pressure	6.18 in	5.59 in	5 in	12C221
Standard Digital	7 L	±0.04°C	-20° to 170°	-4° to 338°	11 lpm		6.18 in	5.59 in	5 in	12C222
Heated and Refrigerated Circulators										
Advanced Digital	7 L	±0.01°C	-20° to 200°	-4° to 392°	20.1 lpm	Pressure, Suction	6.18 in	5.59 in	5 in	12C229
	7 L	±0.01°C	-40° to 200°	-40° to 392°	20.1 lpm		6.18 in	5.59 in	5 in	12C233
	15 L	±0.01°C	-30° to 200°	-22° to 392°	20.1 lpm		8.35 in	10.88 in	5.5 in	12C239
Advanced Programmable	15 L	±0.01°C	-40° to 200°	-40° to 392°	20.1 lpm	Pressure, Suction	8.35 in	10.88 in	5.5 in	12C243
	7 L	±0.01°C	-20° to 200°	-4° to 392°	20.1 lpm		6.18 in	5.59 in	5 in	12C230
	7 L	±0.01°C	-40° to 200°	-40° to 392°	20.1 lpm		6.18 in	5.59 in	5 in	12C234
MX	15 L	±0.01°C	-30° to 200°	-22° to 392°	20.1 lpm	Pressure	8.35 in	10.88 in	5.5 in	12C240
	15 L	±0.01°C	-40° to 200°	-40° to 392°	20.1 lpm		8.35 in	10.88 in	5.5 in	12C244
	7 L	±0.07°C	-20° to 135°	-4° to 275°	12.8 lpm		6.18 in	5.59 in	5 in	12C227 †
Standard Digital	15 L	±0.07°C	-30° to 135°	-22° to 275°	12.8 lpm	Pressure	5.5 in	10.88 in	8.35 in	12C237 †
	20 L	±0.07°C			12.8 lpm		9.85 in	5.5 in	12.45 in	12C247
	7 L	±0.04°C	-20° to 170°	-4° to 338°	11 lpm		6.18 in	5.59 in	5 in	12C228 †
	15 L	±0.04°C	-30° to 170°	-22° to 338°	11 lpm		5.5 in	10.88 in	8.35 in	12C238
	20 L	±0.04°C			11 lpm		9.85 in	5.5 in	12.45 in	12C248

* Horizontal. † Vertical.

Chillers

Benchtop Chillers—Provide consistent cooling for a variety of applications ranging from lasers and analytical equipment to reactors and manufacturing equipment. All units include displays and liquid level gauges or monitors.

Durachill Portable Chillers—Direct steady cooling to remove heat for a variety of applications including laser etching, AA furnaces, ICP, rotary evaporators, vacuum systems, reaction vessels, plasma etching, and condenser cooling. They feature a self-cleaning filter system, front reservoir, and a liquid level monitor that prevents pump failure. The compact design takes up less floor space.

Recirculating Chillers—Have a powerful, speed-controlled pump to cool fluids. The pump has an indirect continuous adjustment of the maximum pressure and flow rate to keep temperatures stable. Chillers include insulated bath reservoirs that allow the use of thermofluid in the external cooling circle without refilling. They have a visible fluid level display and a drain valve for safe emptying along with an accessible air filter for cleaning.



Cap.	Temp. Accuracy	Temp. Range (C)	Temp. Range (F)	Amps	Flow Rate	Pump Type	Item No.
PolyScience Benchtop Chillers, LED Display							
Not Heated or Refrigerated							
0.7 L	±0.1°C	-10° to 30°	14° to 86°	12 A	7.9 lpm	Centrifugal	12C360
0.7 L	±0.1°C	-10° to 30°	14° to 86°	12 A	13.2 lpm		12C361
Refrigerated							
0.7 L	±0.1°C	-5° to 50°	23° to 122°	12 A	7.9 lpm	Centrifugal	12C358
0.7 L	±0.1°C	-20° to 40°	-4° to 104°	12 A	9.8 lpm	Turbine	12C364
0.7 L	±0.1°C	-5° to 50°	23° to 122°	12 A	13.2 lpm	Centrifugal	12C359
0.7 L	±0.1°C	-20° to 40°	-4° to 104°	12 A	14.8 lpm	Centrifugal	12C362
13.25 L	±0.5°C	5° to 35°	41° to 95°	13 A	13.2 lpm	Positive Displacement	12C376
PolyScience Durachill Portable Chillers, Digital Display							
Heated and Refrigerated							
4.2 L	±0.1°C	-10° to 70°	14° to 158°	13.6 A	9.8 lpm	Positive Displacement	56DM24
4.2 L	±0.1°C	-10° to 70°	14° to 158°	16.2 A	9.8 lpm		56DM26
4.2 L	±0.1°C	-10° to 70°	14° to 158°	17.3 A	9.8 lpm		56DM28
4.2 L	±0.1°C	-10° to 70°	14° to 158°	12 A	13.2 lpm	Turbine	56DM30
4.2 L	±0.1°C	-10° to 70°	14° to 158°	13.5 A	13.2 lpm		56DM31
4.2 L	±0.1°C	-10° to 70°	14° to 158°	13.7 A	13.2 lpm		56DM25
4.2 L	±0.1°C	-10° to 70°	14° to 158°	16.3 A	13.2 lpm		56DM27
4.2 L	±0.1°C	-10° to 70°	14° to 158°	17.4 A	13.2 lpm		56DM29
IKA RC Recirculating Chillers, Digital Display							
Refrigerated							
4 L	±0.1°C	-20° to 80°	-4° to 176°	—	18 lpm	Pressure, Suction	60EL70
4 L	±0.05°C	-30° to 80°	-22° to 176°	—	18 lpm		60EL71
5 to 7 L	±0.1°C	-30° to 80°	-22° to 176°	—	31 lpm	Pressure	60EL73
5 to 7 L	±0.2°C	-30° to 80°	-22° to 176°	—	31 lpm	Pressure, Suction	60EL72

