

General Purpose Water Baths

Water Baths. Simplicity and consistency in economy or digital.

Basic lab equipment doesn't have to be rudimentary. PolyScience General Purpose Water Baths are a sleek, cleanly designed addition to your bench offering absolute control, precision and convenience. Operation is totally straightforward. Not only can you set temperatures of up to 100°C, but you can also clearly view the readout on a bright LED display that allows you to recall your set-point temperature with just the press of a button. In addition, you can store up to three temperature set-points that you use most often.

You'll also appreciate the user-friendliness we've built in. Like the steeply gabled, polycarbonate cover that accommodates glassware of varying heights, tilts out of the way when you're loading or unloading samples and allows condensate to drain neatly back into the bath. Not on your work surface.

PolyScience Water Baths, available in a range of capacities from 2 liters to 28 liters in both economy and digital models, provide the perfect blend of scientific accuracy and utility for day-to-day laboratory tasks.



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General Purpose Water Baths – Digital

PolyScience General Purpose Water Baths offer excellent temperature control, range, and uniformity. Easy to use Digital Temperature Controller features three temperature pre-sets for one-touch selection of frequently used set-points plus a user-settable high limit alarm that alerts you if the bath temperature exceeds pre-set limits.

Key Specifications

Temperature Range: Ambient +5° to 100°C

Temperature Uniformity: $\pm 0.2^{\circ}\text{C}$

Temperature Stability: $\pm 0.25^{\circ}\text{C}$

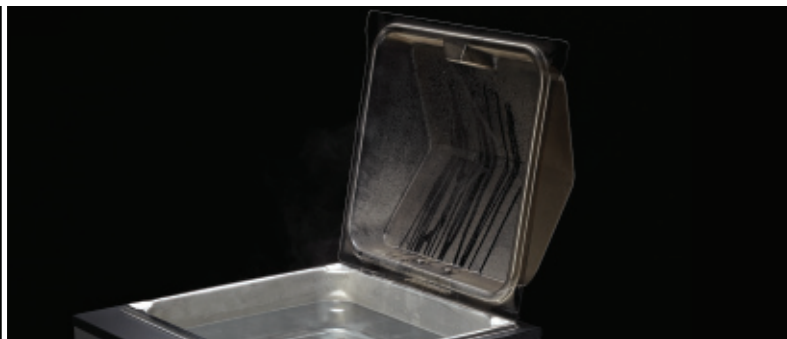


Features:

- Hinged gable cover
- Digital Temperature Controller with 3 pre-sets for frequently used temperatures
- Calibration capability
- Local lockout helps prevent unauthorized set-point changes
- Reservoir sizes from 2 to 28 liters
- Primary and automatic safety thermostats
- Shaking bath option (20 L and 28 L baths)



Adjustable pre-sets make selecting commonly used temperatures as simple as pressing a button.



See-through gable cover accommodates flasks and other tall sample vessels, tilts out of the way when opened to allow condensate to drain back into the bath.



Digital 2 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
3.9 x 4.3 x 5.5"
9.9 x 10.9 x 14 cm

Overall Dimensions (L x W x H):
10.2 x 8.0 x 11.8"
25.9 x 20.3 x 30 cm

Digital 2 Liter Shallow: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
5 x 10.8 x 1.9"
12.7 x 27.4 x 4.8 cm

Overall Dimensions (L x W x H):
10.6 x 13.6 x 12"
26.9 x 34.5 x 30.4 cm

Digital 5 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
5 x 10.8 x 5.5"
12.7 x 27.4 x 14 cm

Overall Dimensions (L x W x H):
10.6 x 13.6 x 12"
26.9 x 34.5 x 30.4 cm

Digital 10 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
10.6 x 11.6 x 5.5"
26.9 x 29.5 x 14 cm

Overall Dimensions (L x W x H):
16.7 x 14.8 x 11.8"
42.4 x 37.6 x 30 cm



Digital 20 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
9.5 x 17.5 x 5"
24.1 x 44.5 x 12.7 cm

Overall Dimensions (L x W x H):
16.4 x 21.6 x 12"
41.5 x 54.8 x 30.5 cm

Digital 28 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
9.5 x 17.5 x 7"
24.1 x 44.5 x 17.8 cm

Overall Dimensions (L x W x H):
16.4 x 21.6 x 14.1"
41.5 x 54.8 x 35.8 cm

Reservoir	2 Liter	2 Liter Shallow	5 Liter	10 Liter	20 Liter	28 Liter	20 Liter Shaker/Bath	28 Liter Shaker/Bath
Temperature Range	Ambient +5° to +100°C							
Heater (50 & 60 Hz)	300 W	300 W	500 W	500 W	1000 W	1000 W	1000 W	1000 W
Part Number 120 VAC/60 Hz	WD02A11B	WD2SA11B	WD05A11B	WD10A11B	WD20A11B	WD28A11B	WDS20A11B	WDS28A11B
Part Number 240 VAC/50 Hz	WD02A12E	WD2SA12E	WD05A12E	WD10A12E	WD20A12E	WD28A12E	WDS20A12E	WDS28A12E

Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers.

General Purpose Water Baths – Economy

PolyScience General Purpose Water Baths with the Economy Temperature Controller provide economical yet precise heating for laboratory applications which do not require frequent set-point changes.

Key Specifications

Temperature Range: Ambient +5° to 100°C

Temperature Uniformity: $\pm 0.2^{\circ}\text{C}$

Temperature Stability: $\pm 0.25^{\circ}\text{C}$



Features:

- Economical dial type temperature controller
- Hinged gable cover
- Easy to clean stainless steel tank
- Reservoir sizes from 2 to 28 liters
- Shaking bath option (20 L and 28 L baths)
- Easy, straightforward setup/control

Shaker Bath Accessory

Features:

- For 20 and 28 liter PolyScience general purpose water baths
- User-selectable and adjustable orbital (2 to 12 mm diameter) or reciprocal (2 to 12 mm stroke length) motion
- Adjustable agitation speed (30 to 180 rpm)



Fits Bath Size	20 Liter	28 Liter
Platform Dimensions (L x W x H)	17.5 x 26.25 x 16.5" 44.5 x 66.7 x 42 cm	17.5 x 26.25 x 18.5" 44.5 x 66.7 x 47 cm
Part Number 120 VAC/60 Hz	040671	040675
Part Number 240 VAC/50 Hz	040673	040677

Electrical plugs for the part numbers listed are standard U.S. and European types. Contact Customer Service for additional plug types and part numbers.



Economy 2 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
3.9 x 4.3 x 5.5"
9.9 x 10.9 x 14 cm

Overall Dimensions (L x W x H):
11 x 8 x 11.8"
27.7 x 20.3 x 30 cm

Economy 2 Liter Shallow: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
5 x 10.8 x 1.9"
12.7 x 27.4 x 4.8 cm

Overall Dimensions (L x W x H):
11.4 x 13.6 x 12"
28.9 x 34.5 x 30.4 cm

Economy 5 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
5 x 10.8 x 5.5"
12.7 x 27.4 x 14 cm

Overall Dimensions (L x W x H):
11.4 x 13.6 x 12"
28.9 x 34.5 x 30.4 cm

Economy 10 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
10.6 x 11.6 x 5.5"
26.9 x 29.5 x 14 cm

Overall Dimensions (L x W x H):
17.5 x 14.8 x 11.8"
44.5 x 37.6 x 30 cm



Economy 20 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
9.5 x 17.5 x 5"
24.1 x 44.5 x 12.7 cm

Overall Dimensions (L x W x H):
17.1 x 21.6 x 12"
43.4 x 54.8 x 30.5 cm

Economy 28 Liter: +100°C

Temperature Range:
Ambient +5° to +100°C

Working Access (L x W x D):
9.5 x 17.5 x 7"
24.1 x 44.5 x 17.8 cm

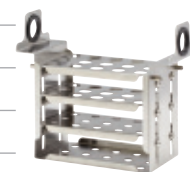
Overall Dimensions (L x W x H):
17.1 x 21.6 x 14.1"
43.4 x 54.8 x 35.8 cm

Reservoir	2 Liter	2 Liter Shallow	5 Liter	10 Liter	20 Liter	28 Liter	20 Liter Shaker/Bath	28 Liter Shaker/Bath
Temperature Range	Ambient +5° to +100°C							
Heater (50 & 60 Hz)	300 W	300 W	500 W	500 W	1000 W	1000 W	1000 W	1000 W
Part Number 120 VAC/60 Hz	WA02A11B	WA2SA11B	WA05A11B	WA10A11B	WA20A11B	WA28A11B	WAS20A11B	WAS28A11B
Part Number 240 VAC/50 Hz	WA02A12E	WA2SA12E	WA05A12E	WA10A12E	WA20A12E	WA28A12E	WAS20A12E	WAS28A12E

Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers.

General Purpose Water Bath Accessories

	Digital Water Baths	Economy Water Baths	Shaking Water Baths	Quantity	Part Number
Thermometer (-20 to +150°C) alcohol, non-calibrated	•	•	•	1 each	099590
Thermometer Holder	•	•	•	1 each	700-437
Concentric Rings (4 rings per hole): 3/4" (1.9 cm), 1 3/8" (3.5 cm), 2 1/8" (5.4 cm), 3 1/8" (7.8 cm)					
Concentric Ring Cover for 10 L: 4-hole cover with 4 ring sets	•	•		1 set	040678
Concentric Ring Cover for 20/28 L: 6-hole cover with 6 ring sets	•	•		1 set	040679
Concentric Ring Set, replacement (4 rings)	•	•		1 set	040649
Floating Ball Cover: Covers top of tank, reducing heat loss by 75% and evaporation by 87%. Also reduces fumes and splashing hazards. 3/4" (20 mm) diameter, 400/package	•	•		1 package	060301
TEST TUBE RACKS FOR GENERAL PURPOSE BATHS					
	Maximum Racks per Tank				
	5 L	10 L	20 L	28 L	Part Number
Stainless Steel Rack, 10-13 mm, holds 15 maximum	2				510-672
Stainless Steel Rack, 14-18 mm, holds 15 maximum	2				510-673
Stainless Steel Rack, 10-13 mm, holds 30 maximum		3	3	3	510-674
Stainless Steel Rack, 14-18 mm, holds 30 maximum		3	3	3	510-675
FLASK HOLDERS FOR SHAKING BATHS					
	Maximum per Sample Tray				
	20 L	28 L			Part Number
1000 ml	4	4			040810
500 ml	4	4			040808
250 ml	6	6			040806
125 ml	8	8			040804
50 ml	24	24			040802
25 ml	48	32			040800



BATH FLUIDS ¹				
Name	Description	Temperature Range	Quantity	Part Number
polyclean ALGAECIDE	Prevents growth of algae, keeps baths clean and odor-free. Cleans existing algae and prevents future outbreak. Concentrated: 8 oz (237 ml) treats approximately 200 gallons (757 L).	n/a	8 oz (237 ml)	004-300040
			case = 12 x 8 oz (237 ml)	004-300041
polyclean BATH CLEANER	For cleaning and removing rust and mineral deposits from stainless steel and polycarbonate tanks. Concentrated: 8 oz (237 ml) treats approximately 16 gallons (60.6 L).	n/a	8 oz (237 ml)	004-300050
			case = 12 x 8 oz (237 ml)	004-300051
polytherm M170	Mid-range oil provides cost-effective alternative to silicone oil. For use in stainless steel and polycarbonate tanks.	50° to 170°C (122° to 338°F)	1 gallon (3.8 L)	060321
polyclear MIX 30	General purpose fluid for routine applications above 15°C; prevents algae growth.	15° to 90°C (59° to 194°F)	case = 5 x 1/2 gallon (1.9 L)	004-300062

1. For all fluids except cleaners, check bath system compatibility before using.

