

Heating Blocks

Modular Dry Block Heaters

Ensure consistency and reproducibility

– Custom block modules provide flexibility for heating different size tubes

These heaters have dynamic temperature stability and are designed to accommodate a variety of heating block modules—create a system unique to your application.

1. Heaters

Digital Dry Block Heaters allow you to select a particular temperature with ease, enables rapid heat-up for samples, and provides excellent stability to maintain results. Temperatures can be set in 0.1°C increments.

Analog Dry Block Heaters are constructed of steel and feature a chemical-resistant coating. The three-position switch enables you to select high, low, or off. The low-range temperature setting is between ambient and 140°F (60°C) and the high-range setting to 266°F (130°C).

What's included: 6-ft (1.8-m), three-wire power cord; 115 VAC models include a plug.

Number of blocks	Uniformity	Maximum temperature	Power		Catalog number	Price
			VAC	Watts		
Analog dry block heaters						
One	±0.5°F (±0.3°C)	266°F (130°C)	120	100	GY-36402-08	
			220	100	GY-36402-09	
Two			120	150	GY-36402-10	
			220	150	GY-36402-11	
Three			120	200	GY-36402-12	
			220	200	GY-36402-13	
Four	±0.5°F (±0.3°C)	266°F (130°C)	120	300	GY-36402-14	
			220	300	GY-36402-15	
Six			120	400	GY-36402-16	
			220	400	GY-36402-17	
Digital dry block heaters						
One	±0.5°F (±0.3°C)		120	100	GY-36290-00	
			220	100	GY-36290-02	
Two		266°F (130°C)	120	150	GY-36402-00	
			220	150	GY-36402-02	
Three	±0.5°F (±0.3°C)		200	200	GY-36290-20	
			220	200	GY-36290-22	
Four			120	300	GY-36402-04	
			220	300	GY-36402-06	



REQUIRED System Components

- 1) Heater
- 2) Heater Blocks



Digital block heater base 36290-00 (vials sold separately)



Analog block heater 36402-14 (vials sold separately)

2. Heating Blocks (required for use with block heaters)

Use these heating blocks with all block heater bases above. Solid anodized aluminum construction ensures maximum heat transfer between the heater base and tube contents. All blocks have 1 7/8" (4.7 cm) deep wells (except model 03130-08 with 1.1" (2.8 cm) deep wells and model 03137-00 with no wells). Blocks can accommodate a 1/4" (0.6 cm) dia thermometer.



Tube size accepted	Number of openings	Opening diameter	Catalog number	Price
6 mm	30	5/16" (7.9 mm)	GY-03130-00	
8 mm	30	21/64" (8.3 mm)	GY-03130-08	
10 mm	20	29/64" (11.5 mm)	GY-03130-10	
10 mm	24	13/32" (10.3 mm)	GY-03131-00	
12 or 13 mm	22	17/32" (13.5 mm)	GY-03132-00	
15 or 16 mm	12	11/16" (17.5 mm)	GY-03133-00	
17 or 18 mm	12	3/4" (19.0 mm)	GY-03133-18	
20 mm	8	13/16" (20.6 mm)	GY-03134-00	
25 mm	6	1" (25.4 mm)	GY-03135-00	
25 mm, 12 or 13 mm, and 6 mm	3	1" (25.4 mm)	GY-03136-00	
	5	17/32" (13.5 mm)	(combination block)	
	6	5/16" (7.9 mm)	GY-03135-00	
Solid (no holes); use as hot plate			GY-03137-00	

2. Microtiter Plate Heating Blocks

Blocks accommodate any 6- to 96-well plate (round or flat bottom). Aluminum construction provides excellent heat transfer; model 03137-08 provides direct contact between the block heater and the bottom of microtiter plates for greater temperature uniformity. Color changes can easily be viewed against the white anodized surfaces. Finger indentations allow easy removal.



Microtiter plate heating block 03137-10

Note: The microtiter plate heating blocks take up the same amount of space as two heating blocks sold at left.

[GY-03137-08](#) Direct-contact microtiter plate heating block

[GY-03137-10](#) Microtiter plate heating block

Cole-Parmer® StableTemp™ Dry Block Heaters

Adjust to your needs

- Customizable to your needs—blocks available (below) for microtubes, centrifuge tubes, vials, microplates, and PCR strips or tube



REQUIRED System Components

- 1) Heater
- 2) Heater Blocks

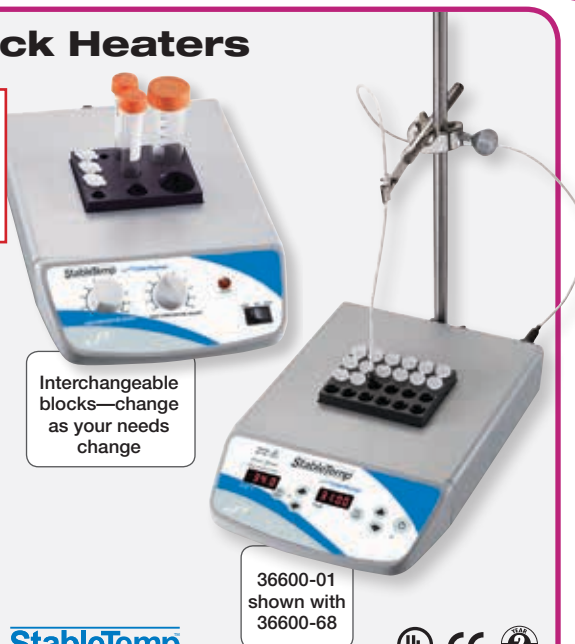
1. Heaters

Analog Dry Block Heaters. Economical temperature controllers are adjustable with separate high and low temperature control knobs.

Digital Dry Block Heaters. Proportional integrative derivative (PID) controller allows you to select a particular temperature with ease, enables rapid heat-up, and provides excellent stability to maintain results. No hot spots—units have exceptional temperature uniformity and digital display shows set and actual temperature. Additional features include timer, audible alarm, and built-in temperature calibration mode.

External Temperature Probe Kit enables the digital heaters to read block or sample temperature and display it on the control panel. The RTD probe fits into the thermometer well located within each modular block.

Caution! To avoid possible electrical hazard, do not fill well or block opening with water or other fluids. Unit is designed to run as a dry bath/incubator.



Interchangeable blocks—change as your needs change

36600-01 shown with 36600-68

StableTemp



Number of blocks accepted	Uniformity	Temperature range	Power		Catalog number	Price
			VAC	Watts		
Analog dry block heaters						
1	±0.1° within the block at 98°F (37°C)	Low range: ambient to 212°F (ambient +5°C to 100°C) High range: 167 to 302°F (75 to 150°C)	120	110	GY-36600-12	
2	±0.1° within the block at 98°F (37°C), ±0.1° across similar blocks at 98°F (37°C)		230	110	GY-36600-13	
			120	210	GY-36600-14	
3	±0.1° within the block at 98°F (37°C), ±0.15° across similar blocks at 98°F (37°C)		230	210	GY-36600-15	
			120	210	GY-36600-16	
			230	210	GY-36600-17	
Digital dry block heaters						
1	±0.1° within the block at 98°F (37°C)	Ambient to 248°F (ambient to 120°C)	120	110	GY-36600-01	
2	±0.1° within the block at 98°F (37°C), ±0.1° across similar blocks at 98°F (37°C)		230	110	GY-36600-02	
			120	210	GY-36600-03	
3	±0.1° within the block at 98°F (37°C), ±0.15° across similar blocks at 98°F (37°C)		230	210	GY-36600-04	
			120	210	GY-36600-06	
			230	210	GY-36600-07	
Digital dry block heaters with heated lid						
2	±0.1° within the block at 98°F (37°C), ±0.1° across similar blocks at 98°F (37°C)	Ambient to 248°F (ambient to 120°C)	120	400	GY-36600-69	
			230	400	GY-36600-70	

[GY-36600-68](#) Optional external temperature probe kit

Cole-Parmer® StableTemp™ Modular Blocks for Dry Block Heaters

No need to buy a new heater—easy switchout for changing requirements

- Get maximum heat-up and retention with close contact of tubes to wall
- Constructed of solid anodized aluminum for durability
- Know the actual temperature of your wells—thermometer well for easy block temperature measurement

2. Heating Blocks

Single block dimensions (L x W x H): 3¾" x 3" x 2" (9.5 x 7.6 x 5.1 cm). Double block sizes are available online to fit 2/4/6-block heaters.

Microcentrifuge Tube Blocks (single block size)

Accommodates	No. of wells	Well dia.	Well depth	Catalog number	Price
0.5 mL tube	30	7.9 mm	27.6 mm	GY-36600-22	
1.5 mL tube	20	11.1 mm	39.1 mm	GY-36600-23	
1.5 mL Eppendorf® tube	20	11.5 mm	36.9 mm	GY-36600-24	
2 mL Eppendorf tube	20	11.5 mm	38.1 mm	GY-36600-25	
2 mL Corning® tube	20	10.9 mm	38.1 mm	GY-36600-26	



Conical-Bottom Centrifuge Tube Blocks (single block size)

Accommodates	No. of wells	Well dia.	Well depth	Catalog number	Price
15 mL tube	12	17.1 mm	44.5 mm	GY-36600-28	
50 mL tube	5	29 mm	47.6 mm	GY-36600-29	