

StableTemp Dry Block Heaters

Precision temperature stability ensures reproducibility of results

- Interchangeable modular heating blocks provide flexibility for heating different-sized tubes—order blocks separately online

Designed for incubation and activation of cultures, enzyme reactions, immunoassays, melting/boiling points, and a wide variety of other laboratory procedures. Each heater accepts separate interchangeable modular heating blocks, which accommodate various sample enclosures such as microtubes, centrifuge tubes, vials, microplates, and PCR strips or tubes. Create a versatile system unique to your application; order either an analog or digital heater and the required heating block module (sold separately online).

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.

Analog Dry Block Heaters are economical, high-wattage, constant temperature heaters that are ideal for a wide variety of general chemistry applications. They are controlled by two separate temperature adjustment knobs, with 1 to 10 dial markings for low and high temperature ranges. Low-range knob adjusts from ambient to 212°F (100°C) and high-range knob adjusts from 167 to 302°F (75 to 150°C).

Digital Dry Block Heaters offer exceptional temperature uniformity and feature a proportional integrative derivative (PID) controller. PID control allows you to select a particular temperature with ease, enables rapid heat-up for samples, and provides excellent stability to maintain results. Features include timer, audible alarm, built-in temperature calibration mode, and independent LED displays that show actual and set point temperatures. Models 36600-69 and -70 have a heated lid designed to reduce condensation and prevent cross-contamination.

External Temperature Probe Kit (for digital units only) enables the unit to read block or sample temperature and display that temperature on the control panel. The kit includes a stainless steel RTD probe, an 18" (45.7 cm) L stainless steel support rod, probe extension clamp, and hook connector. The RTD probe is designed to fit into the thermometer well located within each modular block.

What's included: detachable, 92" (234 cm) L, 3-wire cord with plug (230 VAC units are supplied with European plug).



1 Dry Block Heaters



Catalog number	Number of blocks accepted	Uniformity	Maximum temperature	Dimensions (W x H x D)	Power			Price
					VAC	Watts	Amps	
A Analog dry block heaters								
TW-36600-13	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)	12½" x 8" x 3½" (31.5 x 20.3 x 8.9 cm)	230	110	0.5	
TW-36600-15	2	±0.1° within the block at 98°F (37°C), ±0.1° across similar blocks at 98°F (37°C)		15½" x 8" x 3½" (39.1 x 20.3 x 8.9 cm)	230	210	0.9	
TW-36600-17	3	±0.1° within the block at 98°F (37°C), ±0.15° across similar blocks at 98°F (37°C)		18½" x 8" x 3½" (46.7 x 20.3 x 8.9 cm)	230	210	0.9	
TW-36600-19	4	±0.1° within the block at 98°F (37°C), ±0.2° across similar blocks at 98°F (37°C)		17" x 8" x 3½" (42.9 x 20.3 x 8.9 cm)	230	310	1.3	
TW-36600-21	6	±0.1° within the block at 98°F (37°C), ±0.3° across similar blocks at 98°F (37°C)		21" x 8" x 3½"	230	410	1.7	
				(53.1 x 20.3 x 8.9 cm)				
B Digital dry block heaters								
TW-36600-02	1	±0.1° within the block at 98°F (37°C)	Ambient to 248°F (ambient to 120°C)	12½" x 8" x 3½" (31.5 x 20.3 x 8.9 cm)	230	110	0.5	
TW-36600-04	2	±0.1° within the block at 98°F (37°C), ±0.1° across similar blocks at 98°F (37°C)		15½" x 8" x 3½" (39.1 x 20.3 x 8.9 cm)	230	210	0.9	
TW-36600-07	3	±0.1° within the block at 98°F (37°C), ±0.15° across similar blocks at 98°F (37°C)		18½" x 8" x 3½" (46.7 x 20.3 x 8.9 cm)	230	210	0.9	
TW-36600-09	4	±0.1° within the block at 98°F (37°C), ±0.2° across similar blocks at 98°F (37°C)		17" x 8" x 3½"	230	310	1.3	
				(42.9 x 20.3 x 8.9 cm)				
TW-36600-11	6	±0.1° within the block at 98°F (37°C), ±0.3° across similar blocks at 98°F (37°C)		21" x 8" x 3½" (53.1 x 20.3 x 8.9 cm)	230	410	1.7	
C Digital dry block heaters with heated lid								
TW-36600-70	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)	15½" x 8" x 7" (39.1 x 20.3 x 17.8 cm)	230	400	1.65	

TW-36600-68 Optional external temperature probe kit.

StableTemp Modular Blocks for Dry Block Heaters

Ten styles of custom block modules provide maximum flexibility

Modular blocks are constructed from a solid anodized aluminum block. The close contact of tubes-to-block walls allow for maximum heat retention. Each block has a thermometer well for measuring block temperature.

Single block dimensions (L x W x H):
3¾" x 3" x 2" (9.5 x 7.6 x 5.1 cm).

Double block dimensions (L x W x H):
6" x 3¾" x 2¼" (15.2 x 9.5 x 5.7 cm);
double block size fits 2/4/6-block heaters.



A



B



C



D



E



F



G



H



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2 Heating Blocks

A Microcentrifuge Tube Blocks (single block size)

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

B Standard Test Tube Blocks (single block size)

Cat. no.	Accommodates	No. of wells	Well dia.	Well depth	Price
TW-36600-30	6 mm tube	30	8.3 mm	48.4 mm	
TW-36600-31	10 mm tube	24	10.7 mm	48.4 mm	
TW-36600-32	12/13 mm tube	20	13.9 mm	48.4 mm	
TW-36600-33	15/16 mm tube	12	17.5 mm	48.4 mm	
TW-36600-34	17/18 mm tube	12	19.1 mm	48.4 mm	
TW-36600-35	20 mm tube	8	21 mm	48.4 mm	
TW-36600-36	25 mm tube	6	26.2 mm	48.4 mm	
TW-36600-37	35 mm tube	4	35 mm	47.6 mm	

C Conical-Bottom Centrifuge Tube Blocks (single block size)

Cat. no.	Accommodates	No. of wells	Well dia.	Well depth	Price
TW-36600-28	15 mL tube	12	17.1 mm	44.5 mm	
TW-36600-29	50 mL tube	5	29 mm	47.6 mm	

D Combination Blocks (single block size)

Cat. no.	Accommodates	No. of wells	Well dia.	Well depth	Price
TW-36600-40	Micro-tube combination	0.5 mL	6	7.9 mm	27.6 mm
		1.5 mL	10	11.1 mm	39.1 mm
		2 mL	5	11.5 mm	38.1 mm
TW-36600-39	Centrifuge tube combination	1.5 mL	4	11.1 mm	39.1 mm
		15 mL	3	17.1 mm	44.5 mm
		50 mL	2	29 mm	47.6 mm
TW-36600-38	Test tube combination	6 mm	6	8.3 mm	48.4 mm
		12/13 mm	5	13.9 mm	48.4 mm
		25 mm	3	26.2 mm	48.4 mm

E Titer Plate Block (double block size)

Cat. no.	Accommodates	Well depth	Price
TW-36600-27	One titer plate, 96 or 384 well	13.5 mm	

F Blocks for PCR Plate, Tubes, Strips

Catalog number	Accommodates	Block size	No. of wells	Well dia.	Well depth	Price
TW-36600-51	One 96-well PCR plate	Double	96	6.4 mm	15.5 mm	
TW-36600-52	Ten 8-tube strips	Single	80	6.4 mm	15.5 mm	
TW-36600-53	Individual tubes	Single	64	6.4 mm	20.2 mm	

G Vial Blocks (single block size)

Cat. no.	Accommodates	No. of wells	Well dia.	Well depth	Price
TW-36600-41	12 mm vial	20	12.7 mm	30 mm	
TW-36600-42	15 mm vial	20	15.8 mm	35 mm	
TW-36600-43	16 mm vial	15	16.4 mm	45 mm	
TW-36600-44	17 mm vial	12	17.8 mm	45 mm	
TW-36600-45	19 mm vial	12	19.7 mm	45 mm	
TW-36600-46	21 mm vial	9	21.7 mm	45 mm	
TW-36600-47	23 mm vial	8	23.8 mm	45 mm	
TW-36600-48	25 mm vial	8	25.8 mm	45 mm	
TW-36600-49	28 mm vial	6	28.8 mm	45 mm	

H Cuvette Block (single block size)

Cat. no.	Accommodates	No. of wells	Well depth	Price
TW-36600-54	Twelve 12.5 mm cuvettes	2	25.4 mm	

I Solid Blocks for use as a low-temperature hot plate or for custom drilling

Cat. no.	Block size	Dimensions (L x W x H)	Price
TW-36600-55	Single	3¾" x 3" x 2" (9.5 x 7.6 x 5.1 cm)	
TW-36600-56	Double	6" x 3¾" x 2¼" (15.2 x 9.5 x 5.7 cm)	

J Stainless Steel Sand Baths for irregular vessels; requires the use of sand, stainless steel shot, or liquid (single block size)

Cat. no.	For heater type	Dimensions (L x W x H)	Price
TW-36600-57	1 block	3¾" x 3" x 2½" (9.5 x 7.6 x 6.4 cm)	
TW-36600-58	2 block	3¾" x 5¾" x 2½" (9.5 x 14.9 x 6.4 cm)	
TW-36600-59	3 block	3¾" x 8¾" x 2½" (9.5 x 22.4 x 6.4 cm)	
TW-36600-61	4 block	5¾" x 7½" x 2½" (14.7 x 19.1 x 6.4 cm)	
TW-36600-62	6 block	5¾" x 11¼" x 2½" (14.7 x 28.7 x 6.4 cm)	

TW-36600-63 Sand, 1 lb (0.45 kg)

TW-36600-64 Stainless steel shot, 1 lb (0.45 kg)

K Low-Temperature Plexiglass Block Covers reduce airflow for added temperature stability

Cat. no.	Description	Dimensions (L x W x H)	Price
TW-36600-65	2 block cover	6½" x 6½" x 1½" (16.5 x 16.5 x 4.1 cm)	
TW-36600-66	4 block cover	8½" x 8½" x 1½" (21.6 x 21.6 x 4.1 cm)	
TW-36600-67	6 block cover	12½" x 8½" x 1½" (31.8 x 21.6 x 4.1 cm)	



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