

Ovens

Cole-Parmer® StableTemp™ Economical Gravity Convection Ovens

Save money while getting the features you need

- Durable powder-coated cold-rolled steel exterior
- Double-wall aluminum interior with 1"-thick (2.5 cm) silica-based insulation

These economical gravity convection ovens are designed for the budget-conscious laboratory needing to perform basic drying and baking applications. Temperature is controlled via a bimetallic thermostat from ambient ± 5 to 210°C. All models feature a pilot light to indicate when the oven is in operation and a preset high temperature limit safety thermostat.

What's included: two adjustable chrome-plated wire shelves, one fixed shelf. The 120 VAC model has a three-wire cord and plug; the 230 VAC model has a three-wire cord only.

Specifications

Temperature range: ambient $\pm 5^\circ\text{C}$ to 210°C

Temperature accuracy: $\pm 9^\circ\text{C}$ at 100°C

Temperature display: glass thermometer (not included)



StableTemp



Capacity, cu ft (L)	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	120 VAC, 60 Hz		230 VAC, 50/60 Hz	
		Chamber	Overall		Catalog number	Price	Catalog number	Price
1.7 (48.1)	3	16 x 16¼ x 11½ (41 x 41 x 29)	18½ x 22½ x 13½ (47 x 57 x 34)	57 (26)	GY-52120-02		GY-52120-03	

[GY-52100-50](#) Replacement shelf for ovens 52120-02 and -03

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Gravity Convection Oven

Get gentle drying with low turbulence

- Ideal for general drying applications from ambient $\pm 5^\circ\text{C}$ to 210°C
- Conserve benchspace with small footprint
- Eliminate overtemperature situations with pre-set high temperature safety

Oven features double-wall aluminum interior chamber with 1" (2.5 cm) silica-based insulation and powder-coated, cold-rolled steel exterior.



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Capacity, cu ft (L)	Temperature range	Temperature uniformity	Resolution	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
					Chamber	Overall				
1.7 (48.1)	Ambient ± 5 to 210°C	$\pm 5^\circ\text{C}$ at 100°C	0.5°C	7	16 x 16¼ x 11½ (41 x 41 x 29)	18½ x 22½ x 13½ (47 x 57 x 34)	120, 60 240, 50/60	57 (26)	GY-05014-03 GY-05014-04	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

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General Protocol Gravity Convection Ovens

Save energy and space

- Small footprint saves space without compromising volume
- Energy efficient—up to 20% more energy savings compared to similar units
- Gravity convection provides gentle drying and heating with low air turbulence

Large easy-to-view vacuum fluorescent display with built-in timer and touch-button controls allows quick and simple temperature setting. The exhaust vent doubles as an access port for external temperature sensors.

Smooth corrosion-resistant galvanized steel inner chamber has rounded corners for easy cleaning. The door opens 180°, providing easy access to interior for cleaning and loading of probes. An automatic overtemperature alarm ensures your samples are always protected. The RS-232 interface lets you connect to your computer for documentation of parameters.

What's included: two adjustable shelves and power cord.



Specifications

Temperature range: 50 to 250°C	Temperature control accuracy: ±0.4°C at 150°C	Temperature display: vacuum fluorescent
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Capacity cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
			Chamber	Overall				
2.3 (65)	±4°C at 150°C	13	12 ¹⁵ / ₁₆ " x 18 ¹⁵ / ₁₆ " x 16 ⁵ / ₁₆ " (33 x 48 x 42 cm)	20 ⁷ / ₈ " x 28 ⁵ / ₁₆ " x 22 ³ / ₁₆ " (53 x 72 x 57 cm)	120, 60	93 (42)	GY-38800-30	
3.75 (105)	±4.5°C at 150°C	16	17 ³ / ₁₆ " x 22 ¹³ / ₁₆ " x 16 ⁵ / ₁₆ " (44 x 58 x 41 cm)	25 ³ / ₁₆ " x 32 ³ / ₁₆ " x 22 ³ / ₁₆ " (64 x 82 x 57 cm)	120, 60	117 (53)	GY-38800-28	
	±4°C at 150°C				208-240, 60		GY-38800-32	
6.2 (176)	±5°C at 150°C	19	17 ³ / ₁₆ " x 26 ¹³ / ₁₆ " x 23 ³ / ₁₆ " (44 x 68 x 59 cm)	25 ³ / ₁₆ " x 36 ³ / ₁₆ " x 29 ¹ / ₈ " (64 x 92 x 74 cm)	120, 60	146 (66)	GY-38800-29	
					208-240, 60		GY-38800-34	
14.8 (419)	±>3°C at 150°C	39	21 ¹ / ₁₆ " x 51 ¹⁵ / ₃₂ " x 23 ¹⁵ / ₆₄ " (54.4 x 130.7 x 59 cm)	30 ⁵ / ₁₆ " x 60 ²⁷ / ₃₂ " x 30 ⁵ / ₁₆ " (77.8 x 154.5 x 77 cm)	208-240, 60	370 (168)	GY-38800-33	
27.3 (774)	±3.7°C at 150°C		39 ¹⁷ / ₃₂ " x 51 ¹⁵ / ₃₂ " x 23 ¹⁵ / ₆₄ " (77.8 x 154.5 x 77 cm)	49 ²¹ / ₃₂ " x 60 ²⁷ / ₃₂ " x 30 ⁵ / ₁₆ " (126.1 x 154.5 x 77 cm)	208-240, 60	489 (221)	GY-38800-35	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

High-Temperature Gravity Convection Ovens

Get optimal air conduction without a fan

- Wide temperature range—5°C above room temperature to 300°C
- Microprocessor controller with LED display and integrated 0 to 99-hr timer

These natural convection ovens have a particularly high air exchange rate (approximately 1/3 higher than comparable models), substantially increasing the efficiency of the drying process. The integrated electronic timer may be set for up to 99 hours and 59 minutes or for continuous operation. Ovens feature the unique Absolutely Precise Temperature technology that has become the standard in precision temperature chambers—achieve temperature accuracy from 5°C above room temperature to 300°C.

An independently adjustable ISO Class 2 safety thermostat with visual alarm provides full protection against chamber overtemperature. These ovens can be stacked to conserve valuable lab space. Ovens are customizable; optional access ports of 10-, 30-, or 50-mm diameter may be added to the units allowing connection of external measuring equipment.

What's included: two chrome-plated shelves and a 4-ft (1.2-m) power cord with plug.

Specifications

Temperature range: ambient +5°C to 300°C	Temperature control accuracy: ±0.3°C	Temperature display: 4 LEDs
Resolution: 0.1°C		



Capacity cu ft (L)	Temp uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		230 VAC, 50/60 Hz	
			Chamber	Overall		Cat no.	Price	Cat no.	Price
Ovens									
0.7 (19.8)	±2.5°C at 150°C	3	8.7 x 13 x 10.9 (22 x 33 x 28)	17 x 19 ¹³ / ₃₂ x 20.3 (43 x 50 x 51)	55 (25)	GY-05012-11		GY-05012-12	
1.9 (53.8)	±3.2°C at 150°C	5	15 ³ / ₄ x 15 ³ / ₄ x 13 (40 x 40 x 33)	25 x 24 ⁵ / ₁₆ x 22 ⁵ / ₁₆ (63 x 62 x 57)	93 (42)	GY-05012-13		GY-05012-14	
Ovens with RS-422 interface									
1.9 (53.8)	±3.2°C at 150°C	5	15 ³ / ₄ x 15 ³ / ₄ x 13 (40 x 40 x 33)	25 x 24 ⁵ / ₁₆ x 22 ⁵ / ₁₆ (63 x 62 x 57)	93 (42)	GY-05012-16		GY-05012-17	
4.1 (116.1)	±2.5°C at 150°C	6	23 ³ / ₄ x 18 ³ / ₄ x 15 ¹ / ₁₆ (60 x 48 x 40)	32 ³ / ₄ x 27 ³ / ₈ x 25 ³ / ₈ (83 x 70 x 65)	126 (57)	GY-05012-18		GY-05012-19	

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Ovens

General-Purpose Gravity Convection Ovens

Maintain precise drying and heating

NEW

- Perfect for heating and drying applications in research or industrial environments
- Quick and intuitive operation through user-friendly interface
- AtmoCONTROL software provides simple drag-and-drop programming and documentation

Built-in overtemperature protection system automatically switches off oven at approximately 10°C above the set temperature with audible/visual alarms.

Graphical interface allows the user to control device-specific parameters, monitor temperature, and display program sequence. User controls display settings for language, time zone, daylight savings, and temperature in Celsius and Fahrenheit. USB port to upload programs, read out protocol logs, and protect oven with user ID functions.

Oven features internal data logger with a storage up to 10 years and an Ethernet interface for programs and online logging.

Exterior and easy-to-clean corrosion-resistant interior made of stainless steel. Recessed grips make oven easy to carry.

What's included: USB stick with AtmoControl software, two stainless steel shelves, and a 3-ft (0.9-m) power cord with plug (NEMA 5-20P on 115 VAC models; NEMA 6-15P on 230 VAC models).



Specifications

Temperature range: 20 to 300°C

Temperature control accuracy: $\pm 0.1^\circ\text{C}$ up to 99°C, $+0.5^\circ\text{C}$ above 100°C

Temperature display: LED

Timer: 1 minute to 99 days, 23 hours

Capacity cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power			Shpg wt lb (kg)	Catalog number	Price
			Chamber	Overall	VAC, Hz	Watts	Amps			
2.7 (74)	$\pm 2.2^\circ\text{C}$ at 160°C	6	15 $\frac{3}{4}$ x 22 x 13 (40 x 56 x 33)	23 x 37 $\frac{3}{8}$ x 20 $\frac{1}{4}$ (58.5 x 94.7 x 51.4)	115, 50/60 230, 50/60	2200 2500	19.1 10.9	174 (79)	GY-52200-11 GY-52200-12	
3.8 (108)	$\pm 2.2^\circ\text{C}$ at 160°C	5	22 x 18 $\frac{29}{32}$ x 15 $\frac{3}{4}$ (56 x 48 x 40)	29 $\frac{1}{2}$ x 34 x 23 (74.5 x 86.7 x 58.4)	115, 50/60 230, 50/60	2200 2800	19.1 12.2	202 (92)	GY-52200-13 GY-52200-14	
9 (256)	$\pm 2.2^\circ\text{C}$ at 160°C	9	25 $\frac{13}{64}$ x 31 $\frac{1}{2}$ x 19 $\frac{3}{4}$ (64 x 80 x 50)	32 $\frac{1}{2}$ x 46 $\frac{3}{4}$ x 27 (82.4 x 118.6 x 68.4)	115, 50/60 230, 50/60	2200 3400	19.1 14.8	366 (166)	GY-52200-16 GY-52200-17	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Economy Gravity Convection Ovens

Long-term performance provides greater cost savings

- Digital timer with delayed on/off provides convenient, unattended operation
- Two 1.5" (3.8 cm) dia adjustable top-mounted ventilation slides control inner air and vapor circulation
- Microprocessor PID controller offers auto-tuning and auto-calibration

These ovens are ideal for general chemical and biological laboratory heating, sterilizing, baking, and drying of lightweight samples such as plant tissue, textiles, papers, and powders that require a gentle airflow. The corrosion-resistant Incoloy® sheath heating element and stainless steel chamber offer durability and chemical resistance. Units feature digital LED display and touch-sensitive keypad.

What's included: two stainless steel wire shelves and power cord.



Specifications

Temperature range: ambient to 220°C

Temperature control accuracy: $\pm 1^\circ\text{C}$ at 100°C

Timer: 1 min to 99 hr, 59 min with delayed on/off

Resolution: 1°C

Temperature display: digital LED

Capacity, cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 50/60 Hz		230 VAC, 50/60 Hz	
			Chamber	Overall		Cat. no.	Price	Cat. no.	Price
1.8 (50.9)	$\pm 4^\circ\text{C}$ @ 100°C	10	14 $\frac{3}{4}$ x 14 $\frac{1}{2}$ x 14 $\frac{1}{2}$ (37 x 37 x 37)	21 x 29 x 21 (53 x 74 x 53)	75 (34)	GY-52402-83		GY-52402-86	
3.5 (99.1)		14	18 x 20 x 17 (46 x 51 x 43)	24 x 34 $\frac{1}{2}$ x 23 $\frac{1}{2}$ (61 x 88 x 60)	102 (46)	GY-52402-84		GY-52402-87	
5.3 (150)		15	23 x 22 x 18 (58 x 56 x 46)	29 x 36 $\frac{1}{4}$ x 24 $\frac{1}{2}$ (74 x 92 x 62)	130 (59)	GY-52402-85		GY-52402-88	

[GY-17002-30](#) NIST-traceable calibration with data for ovens



Gravity Convection Ovens

Stop reprogramming your oven

- Input programs with up to 15 segments or 30 steps—ideal for protocols that specify ramp-and-soak periods
- Feature calibration functions perfect for validation work

Set temperatures easily and accurately with the push-button digital controller. LED display shows set temperature, actual temperature, and overtemperature set point. Self-diagnostic microprocessor PID monitors temperature and visually and audibly alerts you to sensor or heater malfunction.

High-Temperature Ovens reach temperatures up to 300°C and feature two 1" (2.5 cm) exhaust ports for fast drying times, high airflow, and good temperature uniformity.

Programmable Ovens feature an advanced controller for programming ramp-and-soak periods, automatic start, and automatic stop. Ten preset programs let you set ten temperatures, run programs one after another, or run oven continuously up to 1000 hours.

What's included: two SS shelves and a 6-ft (1.8-m) cord with plug.



Specifications

Resolution: 1°C
Temperature display: 4-digit LED
Timer: 1 minute to 99 hours, 59 minutes
Power: 115 VAC, 50/60 Hz

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Capacity cu ft (L)	Temperature range	Temperature uniformity	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	Catalog number	Price
					Chamber	Overall			
High-temperature ovens									
0.9 (25.5)	Ambient +10°C to 300°C	±10°C at 280°C	45	6	11¼ x 11¼ x 12¼ (30 x 30 x 31)	15¼ x 24¼ x 17¼ (40 x 63 x 44)	74 (34)	GY-33959-00	
2.6 (73.6)			60	9	17¼ x 15¼ x 16¼ (45 x 40 x 41)	21¼ x 28¼ x 21¼ (55 x 73 x 54)	94 (43)	GY-33959-01	
5.4 (152.9)			Ambient +5°C to 280°C	80	12	23½ x 19¾ x 20 (60 x 50 x 51)	27½ x 32¾ x 25¼ (70 x 83 x 64)	135 (61)	GY-33959-02
Programmable ovens									
3.5 (99.1)	Ambient +5°C to 260°C	±1.9°C at 100°C	90	9	17¼ x 17¼ x 19¼ (45 x 45 x 49)	22 x 32¼ x 23¼ (56 x 82 x 63)	124 (56)	GY-33959-03	
5.6 (158.6)		±3.0°C at 200°C	90	12	23½ x 19¾ x 21¼ (60 x 50 x 54)	28 x 34¼ x 25¾ (71 x 87 x 65)	168 (76)	GY-33959-04	

GY-33956-60 Metal support stand for above ovens. Measures 26"W x 24"H x 29"D (66 x 61 x 73 cm)

Mechanical Convection Ovens

Dry samples faster

- Get greater drying efficiency with fast heat-up and uniform temperature
- Forced-air convection with a noiseless fan ensures good mixing and strong dispersion
- Corrosion-resistant Incoloy® sheath heating element and stainless steel interior
- Foamed silicone rubber door gasket creates a tight seal for excellent insulation

Ovens are programmable for delayed start and stop. Timer offers you the convenience of unattended operation. The dual-wall door opens 180° for greater access to the chamber.

What's included: two stainless steel wire shelves and power cord.



Specifications

Temperature range:
 ambient +10°C to 250°C
Resolution: 1°C
Temperature control accuracy:
 ±1°C at 100°C
Temperature display:
 digital LED readout
Interface:
 RS-232 with controlling software
Timer: 1 min to 99 hrs, 59 min



Capacity cu ft (L)	Temperature uniformity	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		230 VAC, 50/60 Hz	
				Chamber	Overall		Cat. no.	Price	Cat. no.	Price
2.1 (59.5)	±1°C at 100°C	15 to 100°C	8	15¼ x 16½ x 14¼ (40 x 42 x 36)	22¼ x 30 x 25¼ (58 x 76 x 64)	138 (63)	GY-52402-77		GY-52402-80	
3.6 (101.9)			12	19 x 20½ x 16 (48 x 52 x 41)	26 x 34¼ x 27¼ (66 x 87 x 70)	166 (76)	GY-52402-78		GY-52402-81	
5.3 (150.1)			16	22 x 23½ x 18 (56 x 60 x 46)	28¼ x 38¼ x 29¼ (73 x 97 x 74)	210 (96)	GY-52402-79		GY-52402-82	

Ovens

General Protocol Mechanical Convection Ovens

Save energy—up to 20% more efficient

- Maximize volume while minimizing lab space occupied
- Fast heating with superior temperature uniformity up to 250°C
- Accurate, even heating via convection system
- Easier access to samples and cleaning—door opens 180°

Large easy-to-view vacuum fluorescent display with built-in timer and touch-button controls allows quick and simple temperature setting. The exhaust vent doubles as an access port for external temperature sensors to ensure reliability. An automatic overtemperature alarm ensures your samples are always protected. The RS-232 interface lets you connect to your computer for documentation of parameters.

What's included: two adjustable shelves and power cord.



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Specifications

Temperature range: 50 to 250°C **Temperature accuracy:** $\pm 0.3^\circ$ at 150°C **Temperature display:** vacuum fluorescent

Capacity cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
			Chamber	Overall				
2.3 (65.2)	$\pm 3.3^\circ\text{C}$ at 150°C	13	13 $\frac{1}{16}$ x 20 x 14 $\frac{1}{2}$ (35 x 51 x 37)	20 $\frac{1}{16}$ x 28 $\frac{3}{16}$ x 22 $\frac{3}{16}$ (53 x 72 x 57)	120, 60	93 (42)	GY-38800-36	
3.75 (106.2)		16	18 $\frac{5}{16}$ x 23 $\frac{1}{16}$ x 14 $\frac{1}{2}$ (46 x 61 x 37)	25 $\frac{3}{16}$ x 32 $\frac{3}{16}$ x 22 $\frac{3}{16}$ (64 x 82 x 57)	120, 60	117 (53)	GY-38800-37	
6.2 (175.6)		19	18 $\frac{5}{16}$ x 27 $\frac{1}{16}$ x 21 $\frac{1}{16}$ (46 x 71 x 54)	25 $\frac{3}{16}$ x 36 $\frac{3}{16}$ x 29 $\frac{1}{8}$ (64 x 92 x 74)	208-240, 60	146 (66)	GY-38800-38	
					120, 60		GY-38800-39	
					208-240, 60		GY-38800-40	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

General-Purpose Mechanical Convection Ovens

Get up and running faster with easy programming

NEW

- Quick and intuitive operation through the unique ControlCOCKPIT and AtmoCONTROL drag-and-drop programming
- No more scratches with scratch-resistant structured stainless steel exterior
- Maintain a record of your processes with the 10-year internal data logger and Ethernet interface

SingleDISPLAY Oven lets you control and display device-specific parameters such as temperature, program runtime, fan speed, and airflap position. Process time will not start until set temperature is reached. Overtemperature system includes an audible and visual alarm, making sure your samples remain safe. **TwinDISPLAY Ovens** offer all the functions of the SingleDISPLAY unit plus graphical display of program sequence. Included USB port allows you to upload programs, read out protocol logs, and protect oven with individual user ID functions.

What's included: USB stick with AtmoControl software (3-month trial with SingleDISPLAY model), two stainless steel shelves (one with 52200-18, -19, -29, and -31), and a 3-ft (0.9-m) power cord with plug (NEMA 5-20P on 115 VAC models; NEMA 6-15P on 230 VAC models).



CE

Specifications

Temperature range: 20 to 300°C **Temperature control accuracy:** $\pm 0.1^\circ\text{C}$ up to 99°C, $\pm 0.5^\circ\text{C}$ above 100°C **Temperature display:** LED **Timer:** 1 minute to 99 days, 23 hours

Temperature uniformity: $\pm 2.2^\circ\text{C}$ at 160°C

Capacity cu ft (L)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
		Chamber	Overall				
SingleDISPLAY oven							
1.1 (32)	3	15¾ x 12 ¹⁹ / ₃₂ x 8 ⁵ / ₁₆ (40 x 32 x 21.1)	23 x 27 ¹³ / ₁₆ x 17 ¹ / ₈ (58.5 x 70.7 x 43.4)	115, 50/60 230, 50/60	130 (59)	GY-52200-18 GY-52200-19	
TwinDISPLAY ovens							
1.9 (53)	4	15¾ x 15¾ x 11½ (40 x 40 x 29.1)	23 x 31 x 20 ⁷ / ₃₂ (58.5 x 78.7 x 51.4)	115, 50/60 230, 50/60	152 (69)	GY-52200-29 GY-52200-31	
2.6 (74)	6	15¾ x 22 x 11½ (40 x 56 x 29.1)	23 x 37 ⁹ / ₁₆ x 20 ⁷ / ₃₂ (58.5 x 37.3 x 51.4)	115, 50/60 230, 50/60	174 (79)	GY-52200-32 GY-52200-33	
3.8 (108)	5	22 x 18 ¹⁵ / ₁₆ x 14 ⁵ / ₁₆ (56 x 48 x 36.1)	29 ⁹ / ₈ x 34 x 23 (74.5 x 86.7 x 58.4)	115, 50/60 230, 50/60	203 (92)	GY-52200-34 GY-52200-36	
9 (256)	9	25 ³ / ₁₆ x 31½ x 18 ⁷ / ₃₂ (64 x 80 x 46.1)	32½ x 46¾ x 27 (82.4 x 118.6 x 68.4)	115, 50/60 230, 50/60	366 (166)	GY-52200-37 GY-52200-38	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Programmable Mechanical Convection Ovens

Accurately heat your samples

- Oven calibration functions are ideal for validation work
- Self-diagnostic function alerts you to sensor or heater malfunctions
- Easily read “set” and actual temperature on LED display

These ovens feature excellent uniformity, autotune, calibration offset, and zero-span calibration. Self-diagnostic functions alert you both visually and audibly if sensor or heater malfunctions; heater circuit automatically turns off. Input up to 15-segment/30-step programs including automatic start, automatic stop, and ramp-and-soak modes through the keypad.

What's included: two stainless steel shelves (33959-07 includes four stainless steel shelves) and a 6-ft (1.8-m) power cord with US standard plug on 110 VAC models (no plug on 220 VAC model).

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Specifications

Temperature uniformity: $\pm 2.5^{\circ}\text{C}$ at 210°C

Resolution: 1°C

Temperature display: 4-digit LED

Timer: 1 minute to 99 hours, 59 minutes

Capacity cu ft (L)	Temperature range	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
3.2 (90.6)	Ambient $+10^{\circ}\text{C}$ to 260°C	90	9	$17\frac{3}{4} \times 17\frac{3}{4} \times 17\frac{3}{4}$ (45 x 45 x 45)	$22 \times 32\frac{5}{16} \times 23\frac{1}{16}$ (56 x 82 x 60)	110, 50/60	99 (45)	GY-33959-05	
5.3 (150.1)	Ambient $+10^{\circ}\text{C}$ to 260°C		12	$23\frac{1}{2} \times 20 \times 20$ (60 x 51 x 51)	$27\frac{1}{2} \times 35 \times 21\frac{1}{4}$ (70 x 89 x 54)	110, 50/60	143 (65)	GY-33959-06	
10.7 (303)	Ambient $+10^{\circ}\text{C}$ to 210°C	60	29	$23\frac{1}{2} \times 39\frac{1}{2} \times 20$ (60 x 100 x 51)	$28 \times 64 \times 25\frac{1}{2}$ (71 x 162 x 65)	220, 50/60	275 (125)	GY-33959-07	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

High-Temperature Industrial Mechanical Convection Ovens

Heat your samples up to 538°C

- Corrosion and oxidation resistant with Incoloy® sheathed heating elements and stainless steel interior

Oven construction accommodates high-temperature use. High-density rock wool insulation effectively retains heat for improved temperature uniformity.

Drawer Oven contains eight separate stainless steel drawers for easy individual inspection of oven contents—reduces heat loss and lowers operating costs associated with conventional oven doors.

Bench Ovens feature double doors for greater access to chamber—ideal when loading larger items. Overttemperature protection turns oven off if temperature exceeds maximum temperature.

What's included: a 6-ft (1.8-m) power cord (115 VAC models have a plug; 230 VAC models do not have a plug). Bench ovens also include two adjustable wire shelves. Order optional stand separately below table.

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Specifications

Temperature control accuracy: $\pm 5.5^{\circ}\text{C}$

Temperature display: analog

Capacity cu ft (L)	Temperature range	Temperature uniformity	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
					Chamber	Overall				
Drawer oven										
4.8 (135.9)	Ambient to 176°C	±13.9°C at 149°C	20 to 166°C	—	11¾ x 2 x 25 (30 x 5 x 63) per drawer	41 x 23 x 30 (104 x 59 x 76)	115, 60 230, 60	285 (129)	GY-52302-10 GY-52302-15	
Bench ovens										
4.3 (121.8)	Ambient to 427°C	±8.3°C at 400°C	55 to 400°C	6	26 x 13 x 22 (66 x 33 x 56)	39½ x 30 x 34 (100 x 76 x 86)	115, 60	310 (130)	GY-52300-12	
4.3 (121.8)	Ambient to 538°C	±11.1°C at 510°C	65 to 510°C	6	26 x 13 x 22 (66 x 33 x 56)	41½ x 31 x 35 (105 x 79 x 89)	115, 60 230, 60	335 (152)	GY-52300-18 GY-52300-22	
7 (198.2)	Ambient to 176°C	±5.5°C at 149°C	17 to 166°C	7	28 x 18 x 24 (71 x 46 x 61)	41 x 23 x 30 (104 x 59 x 76)	115, 60 230, 60	270 (122)	GY-52302-00 GY-52302-05	

[GY-52300-50](#) Optional metal stand for bench ovens, raises ovens to 31" (78.7 cm) working height

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Ovens

Precision Mechanical Convection Ovens

Maintain uniform temperatures

- Fiberglass door gasket prevents heat loss, and low-density heating elements ensure long life

Compact Oven is ideal for basic drying and baking applications with a temperature range of ambient +5°C to 210°C. Compact footprint conserves valuable benchtop space.

High-Performance Ovens are built for higher efficiency, providing temperature uniformity as precise as $\pm 0.5^\circ\text{C}$ at 100°C with excellent stability under frequent air exchange. A highly responsive RTD sensor provides temperature sensitivity of $\pm 0.1^\circ\text{C}$ or better. Built-in 12-hour mechanical timer with user-adjustable safety thermostat allows for power cutout in case of overtemperature.

What's included: Models 05014-06 and -07 include one fixed and two adjustable shelves, and a 6-ft (1.8-m) power cord. Models 05014-41 through -46 include two adjustable shelves and must be hardwired.



Capacity cu ft (L)	Temperature range	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
Compact oven with hydraulic thermostat									
1.7 (48.1)	5 to 210°C	±7°C at 100°C	7	16 x 16¼ x 11½ (41 x 41 x 29)	18 ⅞ x 25 x 15 ⅝ (47 x 64 x 40)	120, 60 240, 50/60	80 (36)	GY-05014-06 GY-05014-07	
High-performance ovens with microprocessor PID control									
1.4 (39.6)	15 to 325°C	±0.5°C at 100°C, ±1°C at 200°C, ±2.5°C at 300°C	7	14 x 13 x 13 (35.6 x 33 x 33)	38½ x 25 x 24 (98.7 x 63.5 x 61)	115, 60	230 (104)	GY-05014-41 GY-05014-42†	
						208/230, 50/60	230 (104)	GY-05014-43 GY-05014-44†	
							208/230, 50/60	252 (114)	GY-05014-45
4 (113.3)	15 to 325°C	±0.5°C at 100°C, ±0.9°C at 200°C, ±2.2°C at 300°C	11	19 x 19 x 19 (48.3 x 48.3 x 48.3)	45 x 29 x 28 (114.3 x 73.7 x 71.1)	208/230, 50/60	252 (114)	GY-05014-45	
				19 x 19 x 19 (48.3 x 48.3 x 48.3)	45 x 29 x 32 (114.3 x 73.7 x 83.8)	208/230, 50/60	292 (133)	GY-05014-46‡	

†Models 05014-42 and -44 feature an extra baffle for drying and testing of volatile components.

‡Model 05014-46 features a rear blowout panel with retaining cage and positive-action front-door catches for volatile materials testing.

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Thermocenter® Mechanical Convection Ovens

Save time by automating your procedures

- Microprocessor-controlled ovens store up to 50 programs with 15 program steps
- Ensure consistent, even heating with uniformity of $\pm 0.7^\circ\text{C}$

Microprocessor controller features a digital display with easy-to-operate keypad, menu prompts in five selectable languages, intelligent fan speed control, real-time clock, timer, and RS-232 output. **Ovens with Door-Mounted Components** feature extremely compact construction. Perform routine maintenance without moving the oven—door easily detaches by removing only four screws. Stack two ovens to save space. **Ovens with Rear-Mounted Components** feature a fan outlet designed to ensure excellent air flow. Temperature ramp is fully controlled by heating and fan speed control, eliminating the need for adjustable air flaps.



Capacity cu ft (L)	Temperature uniformity	Rise time (minutes)	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		Additional shelves		
			Chamber	Overall		Catalog number	Price	For	Catalog number	Price
Ovens with door-mounted components, 20 to 200°C										
1.4 (39.6)	±0.7°C at 150°C	25	13¾ x 14½ x 12.9 (34 x 37 x 33)	18¼ x 19¼ x 20¾ (46 x 49 x 53)	80 (36)	GY-52403-00		1.4-cu-ft ovens	GY-33959-19	
3.5 (99.1)		47	17¾ x 19¾ x 20½ (45 x 50 x 51)	22¾ x 24¾ x 25¾ (57 x 63 x 65)	122 (55)	GY-52403-10		3.5-cu-ft ovens	GY-33959-20	
Ovens with rear-mounted components, 20 to 270°F										
5.6 (158.6)	±0.7°C at 150°C	33	21 x 22¾ x 18¾ (53 x 58 x 48)	30¾ x 28¾ x 26¾ (77 x 72 x 68)	161 (73)	GY-52403-20		5.6-cu-ft ovens	GY-52400-62	
8.5 (240.7)		25	24¾ x 26¾ x 20¼ (62 x 68 x 51)	33¾ x 32¼ x 36¼ (86 x 82 x 92)	190 (86)	GY-52403-30		8.5-cu-ft ovens	GY-52400-63	
14.0 (396.4)		32	28½ x 30¾ x 27¾ (72 x 78 x 69)	37¾ x 36¼ x 35¾ (96 x 92 x 90)	291 (132)	GY-52403-40		14.0-cu-ft ovens	GY-52400-64	

Advanced Protocol Mechanical Convection Ovens

Maintain even and accurate heating

- Mechanical convection provides fast sample drying and heating with superior temperature uniformity
- Energy efficient—up to 20% more energy savings compared to similar units
- Store up to 10 programs with 10 discrete steps

Easily set the adjustable fan speed depending on your application—highest for best temperature stability and uniformity, lowest for minimal airflow. Ovens feature an electronically controlled damper to vent the work space, a boost feature for rapid heating of cold oven, and a dedicated access port for the introduction of external temperature sensors.

Get easier access to interior with 180° opening door. An automatic overtemperature alarm ensures your samples are always protected. The RS-232 interface lets you connect to your computer for documentation of parameters.

What's included: two adjustable shelves and power cord.



Specifications

Temperature control accuracy: $\pm 0.2^{\circ}\text{C}$ at 150°C
Temperature display: vacuum fluorescent

Capacity cu ft (L)	Temperature range	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
Ovens with coated steel exterior									
2.2 (61)	50 to 330°C	±1.5°C at 150°C	13	13 ¹⁵ / ₁₆ x 20 x 13 ¹ / ₂ (35 x 51 x 34)	20 ⁷ / ₈ x 28 ⁵ / ₁₆ x 22 ³ / ₁₆ (53 x 72 x 57 cm)	120, 60	97 (44)	GY-38800-48	
3.5 (99)	50 to 330°C	±1.3°C at 150°C	16	18 ³ / ₁₆ x 23 ¹⁵ / ₁₆ x 13 ¹ / ₂ (46 x 61 x 34)	25 ³ / ₁₆ x 32 ⁵ / ₁₆ x 22 ³ / ₁₆ (64 x 82 x 57)	208-240, 60	121 (55)	GY-38800-50	
6.1 (173)	50 to 330°C	±1.5°C at 150°C	19	18 ³ / ₁₆ x 27 ¹⁵ / ₁₆ x 20 ⁷ / ₁₆ (46 x 71 x 52)	25 ³ / ₁₆ x 36 ³ / ₁₆ x 29 ¹ / ₈ (64 x 92 x 74)	208-240, 60	152 (69)	GY-38800-52	
14 (396)	Ambient +10°C to 250°C	±2.1°C at 150°C	39	21 ²⁷ / ₆₄ x 52 ⁹ / ₁₆ x 21 ¹⁵ / ₃₂ (54.4 x 133.5 x 54.5)	30 ⁵ / ₁₆ x 60 ²⁷ / ₃₂ x 30 ⁵ / ₈ (77.8 x 154.5 x 77)	208-240, 60	368 (167)	GY-38800-53	
25.8 (731)	Ambient +10°C to 250°C	±3.1°C at 150°C	39	39 ¹⁷ / ₃₂ x 52 ⁹ / ₁₆ x 21 ¹⁵ / ₃₂ (100.4 x 133.5 x 54.5)	49 ²¹ / ₃₂ x 60 ²⁷ / ₃₂ x 30 ⁵ / ₈ (126.1 x 154.5 x 77)	208-240, 60	496 (225)	GY-38800-55	
Ovens with stainless steel exterior									
14 (396)	Ambient +10°C to 250°C	±2.1°C at 150°C	39	21 ²⁷ / ₆₄ x 52 ⁹ / ₁₆ x 21 ¹⁵ / ₃₂ (54.4 x 133.5 x 54.5)	30 ⁵ / ₁₆ x 60 ²⁷ / ₃₂ x 30 ⁵ / ₈ (77.8 x 154.5 x 77)	208-240, 60	368 (167)	GY-38800-77	
25.8 (731)	Ambient +10°C to 250°C	±3.1°C at 150°C	39	39 ¹⁷ / ₃₂ x 52 ⁹ / ₁₆ x 21 ¹⁵ / ₃₂ (100.4 x 133.5 x 54.5)	49 ²¹ / ₃₂ x 60 ²⁷ / ₃₂ x 30 ⁵ / ₈ (126.1 x 154.5 x 77)	208-240, 60	496 (225)	GY-38800-78	

Microprocessor-Controlled Mechanical Convection Ovens

Optimal uniformity for time-controlled applications

- Microprocessor controller with LED display and integrated 0 to 99-hr timer
- Powerful air turbine offers fast and uniform drying of large quantities of samples

These forced convection ovens have a specially developed high-performance fan—offering around 20% higher performance than comparable models. Air exchange rate can be adjusted continuously from 0% to 100%. Ovens feature a microprocessor PID controller, digital timer, one ramp function, and a LED temperature/time display. Increased air circulation is available in models 05012-25, -26, -27, and -28 through the use of a powerful yet quiet, digitally adjustable air turbine.

What's included: two chrome-plated shelves and a 4-ft (1.2-m) power cord with plug.



Specifications

Temperature range: ambient $+5^{\circ}\text{C}$ to 300°C **Resolution:** 0.1°C **Temperature control accuracy:** $\pm 0.3^{\circ}\text{C}$ **Temperature display:** 4 LEDs

Capacity cu ft (L)	Temp uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		230 VAC, 50/60 Hz	
			Chamber	Overall		Catalog number	Price	Catalog number	Price
Ovens									
0.7 (19.8)	±2.2°C at 150°C	3	8 ¹¹ / ₁₆ x 13 x 10 ⁷ / ₈ (22 x 33 x 28)	17 x 19 ³ / ₈ x 20 ¹ / ₄ (43 x 49 x 5)	55 (25)	GY-05012-21		GY-05012-22	
1.9 (53.8)	±2°C at 150°C	5	15 ³ / ₄ x 15 ³ / ₄ x 13 (40 x 40 x 33)	25 x 24 ³ / ₁₆ x 22 ³ / ₈ (63 x 62 x 57)	93 (42)	GY-05012-23		GY-05012-24	
Ovens with adjustable air turbine and RS-422 interface									
1.9 (53.8)	±2°C at 150°C	5	15 ³ / ₄ x 15 ³ / ₄ x 13 (40 x 40 x 33)	25 x 24 ³ / ₁₆ x 22 ³ / ₈ (63 x 62 x 57)	93 (42)	GY-05012-25		GY-05012-26	
4.1 (116.1)	±1.8°C at 150°C	6	23 ³ / ₈ x 18 ⁷ / ₈ x 15 ¹ / ₁₆ (60 x 48 x 40)	32 ³ / ₄ x 27 ³ / ₈ x 25 ³ / ₈ (83 x 70 x 64)	126 (57)	GY-05012-27		GY-05012-28	

[GY-05012-37](#) Additional chrome-plated shelf for 0.7-cu ft oven

[GY-05012-39](#) Additional chrome-plated shelf for 4.1-cu ft ovens

[GY-05012-38](#) Additional chrome-plated shelf for 1.9-cu ft ovens

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Ovens

Programmable Mechanical Convection Ovens

Ensure precise and even heating

- Wide temperature range—from 5°C above ambient to 300°C
- Microprocessor controller with LED display and integrated 0 to 99-hr timer
- Stackable to conserve valuable lab space

These programmable ovens offer electronically controlled preheating chamber technology with forced air convection. Microprocessor with two programs of ten sections or one program with 20 sections. Each time interval can be adjusted up to a maximum of 99 hours and 59 minutes.

Other oven features include adjustable ramp functions via program editor, adjustable fan speed (0 to 100%), elapsed time indicator, and adjustable safety device, Class 2 (DIN 12880), with visual alarm. Rear exhaust duct with ventilation flap and front side ventilation are standard. RS-422 interface allows output to computer or printer.

What's included: two chrome-plated shelves and a 4-ft (1.2-m) power cord with plug.

Specifications

Temperature range: ambient +5°C to 300°C
Resolution: 0.1°C

Temperature control accuracy: ±0.3°C
Temperature display: 5-digit LEDs, 1 LCD

ISO9001:2008
 CERTIFIED SUPPLIER



Capacity cu ft (L)	Temp uniformity (@ 150°C)	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		230 VAC, 50/60 Hz	
			Chamber	Overall		Catalog number	Price	Catalog number	Price
1.9 (53.8)	±2°C	5	15¾ x 15¾ x 13 (40 x 40 x 33)	25 x 24½ x 22½ (63 x 62 x 57)	102 (46)	GY-05012-29		GY-05012-31	
4.1 (116.1)	±1.8°C	6	23¾ x 18¾ x 15½ (60 x 48 x 40)	32¾ x 27¾ x 25¾ (83 x 70 x 64)	137 (62)	GY-05012-32		GY-05012-33	
8.6 (243.5)	±2°C	7	31½ x 23¾ x 19¾ (80 x 60 x 50)	40¾ x 32¾ x 29½ (103 x 82 x 74)	216 (98)	—	—	GY-05012-34	

[GY-05012-38](#) Additional shelf for 1.9-cu ft oven

[GY-05012-39](#) Additional shelf for 4.1-cu ft oven

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Advanced Protocol Security Mechanical Convection Ovens

Protect your important samples!

- Door lock prevents disruption, tampering, or accidental opening
- Door alarm notifies when door is accidentally left open
- Automatic undertemperature alarm ensures samples are kept at the correct temperature
- Models with robust stainless steel exterior are ideal for pharmaceutical labs

Adjustable air circulation ensures accurate, even heating. The adjustable fan can be set at speeds best for the application. Programmable controller stores up to 10 programs with 10 discrete steps.

Auto-dry function deactivates the oven when samples are dry. Offers a dedicated access port for the introduction of external temperature sensors. Smooth stainless steel inner chamber has rounded corners for easy cleaning. The door opens 180°, providing easy access to interior for cleaning and loading of probes.

What's included: two adjustable shelves and power cord.

Specifications

Temperature range: 50 to 330°C
Temperature accuracy: ±0.2°C at 150°C

Control type: microprocessor
Temperature display: vacuum fluorescent

ISO9001:2008
 CERTIFIED SUPPLIER



Capacity cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power			Shpg wt lb (kg)	Catalog number	Price
			Chamber	Overall	Watts	VAC, Hz	Amps			
Ovens with coated steel exterior										
2.2 (61)	±1.5°C at 150°C	13	12 ¹ / ₁₆ x 20 x 13 ¹ / ₂ (33 x 51 x 34)	20 ⁷ / ₁₆ x 28 ³ / ₁₆ x 22 ³ / ₁₆ (53 x 72 x 57)	1440	120, 60	12	97 (44)	GY-38800-66	
3.5 (99)	±1.3°C at 150°C	16	17 ⁷ / ₁₆ x 23 ³ / ₁₆ x 13 ¹ / ₂ (44 x 61 x 34)	25 ⁵ / ₁₆ x 32 ⁵ / ₁₆ x 22 ³ / ₁₆ (64 x 82 x 57)	3360	208-240, 60	14	121 (55)	GY-38800-68	
6.1 (173)	±1.5°C at 150°C	19	18 ⁷ / ₁₆ x 27 ¹ / ₁₆ x 20 ⁷ / ₁₆ (46 x 71 x 52)	25 ⁵ / ₁₆ x 36 ³ / ₁₆ x 29 ¹ / ₈ (64 x 92 x 74)	3360	208-240, 60	14	152 (69)	GY-38800-70	
Ovens with stainless steel exterior										
2.2 (61)	±1.5°C at 150°C	13	12 ¹ / ₁₆ x 20 x 13 ¹ / ₂ (33 x 51 x 34)	20 ⁷ / ₁₆ x 28 ³ / ₁₆ x 22 ³ / ₁₆ (53 x 72 x 57)	1440	120, 60	12	97 (44)	GY-38800-72	
3.5 (99)	±1.3°C at 150°C	16	17 ³ / ₁₆ x 23 ³ / ₁₆ x 13 ¹ / ₂ (44 x 61 x 34)	25 ⁵ / ₁₆ x 32 ⁵ / ₁₆ x 2 ³ / ₁₆ (64 x 82 x 57)	3360	208-240, 60	14	121 (55)	GY-38800-74	
6.1 (173)	±1.5°C at 150°C	19	18 ⁷ / ₁₆ x 27 ¹ / ₁₆ x 20 ⁷ / ₁₆ (46 x 71 x 52)	25 ⁵ / ₁₆ x 36 ³ / ₁₆ x 29 ¹ / ₈ (64 x 92 x 74)	3360	208-240, 60	14	152 (69)	GY-38800-76	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Vacucenter® Ovens

Minimize fluctuations with jacketed system

- Spring-loaded metal safety catch opens oven door slightly to prevent overpressure conditions
- Maintain safety—double-paned glass door and high-quality insulation keep surface cool to the touch
- Insulated silicone door seal prevents the escape of harmful fumes
- Keep an eye on your samples with full-view glass window

Overtemperature control shuts off heating when temperature reaches 10°C above set point or when oven door is open. Microprocessor controller features an alphanumeric digital display with easy-to-operate keypad, menu prompts in five selectable languages, ability to store 50 programs with 15 steps, real-time clock, timer, and RS-232 output.

What's included: one shelf and a 5-ft (1.5-m) power cord (115 VAC models have a standard US plug; 230 VAC models have a European plug).



Specifications

Temperature range: 10°C above ambient to 200°C
Resolution: 0.1°C
Temperature display: alphanumeric LCD

Vacuum range:
 Models 52402-00 and -05: 1 bar to 0.48 mbar
 Models 52402-10 and -15: 1 bar to 0.60 mbar

Vacuum display: dial gauge
Timer: 0 to 999 hours 99 minutes

Capacity cu ft (L)	Temperature uniformity	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Shpg wt lb (kg)	115 VAC, 60 Hz		230 VAC, 50/60 Hz	
				Chamber	Overall		Catalog number	Price	Catalog number	Price
0.7 (19.8)	±1.7°C at 100°C	50 to 200°C	3	9 7/8 x 9 7/8 x 12 5/8 (25 x 25 x 32)	21 1/2 x 14 5/8 x 16 3/4 (55 x 37 x 42)	81 (37)	GY-52402-00		GY-52402-05	
1.8 (50.9)		65 to 200°C	5	13 3/4 x 13 3/4 x 16 1/2 (35 x 35 x 42)	25 3/8 x 18 1/2 x 20 11/16 (64 x 47 x 52)	135 (61)	GY-52402-10		GY-52402-15	

[GY-79300-20](#) Dual-mode vacuum pump; 1.3 cfm free-air capacity; 115 VAC, 50/60 Hz. Cord and plug included

[GY-17002-30](#) NIST-traceable calibration with data for ovens

[GY-79300-25](#) Dual-mode vacuum pump; 1.3 cfm free air capacity; 230 VAC, 50/60 Hz. Cord and plug included

Vacuum Ovens

Get better control of your application

- Heat-tempered full-view window allows continuous monitoring of chamber
- User-friendly digital control panel simplifies operation

Separate vacuum and vent ports allow greater control of vacuum rates. Vacuum levels are maintained by a tightly sealed door gasket and push-button latch. Block heaters and anodized aluminum plate shelves provide uniform heating throughout the oven chamber.

What's included: two or three aluminum plate shelves and power cord.



Specifications

Temperature range: 5° above ambient to 250°C
Resolution: 1°C

Temperature control accuracy: ±2°C at 100°C
Temperature display: digital LED

Vacuum range: 0 to 0.1 Mpa
Vacuum display: analog gauge
Timer: 1 min to 99 hr, 59 min with delayed on/off

Capacity cu ft (L)	Temperature uniformity	Rise time to 100°C (minutes)	Shelves positions	Dimensions (W x H x D), in. (cm)		Power VAC, Hz	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
1 (28.3)	±2°C at 100°C	70 min	2	12 x 12 x 12 (30 x 30 x 30)	27 x 19 1/2 x 18 (68 x 49 x 46)	120, 50/60	139 (63)	GY-52402-95	
						230, 50/60	139 (63)	GY-52402-97	
2.3 (65.1)	±2°C at 100°C	85 min	3	15 3/4 x 15 3/4 x 16 (40 x 40 x 41)	31 3/4 x 23 1/2 x 22 (80 x 60 x 56)	120, 50/60	227 (103)	GY-52402-96	
						230, 50/60	227 (103)	GY-52402-98	

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Ovens

Cole-Parmer® StableTemp™ Vacuum Ovens

Keep an eye on your samples

- Protect yourself from shattering glass—polycarbonate shielded glass door

Control vacuum levels between 0 and 30" Hg. Silicone door gasket and positive door latch assure a tight seal at all vacuum levels. A three-way valve allows easy evacuation, purging, and venting. The front-mounted stainless steel vacuum line fittings accept 1/4" ID tubing.

Insert other types of probes such as gas and humidity into the two rear 1/4" NPT(F) ports to monitor the internal atmosphere. Built-in overtemperature thermostat protects your samples from overheating. Aluminum shelves provide minimal heat retention, reducing hot spots.

What's included: a dial thermometer, one-piece shelf assembly with two aluminum shelves, and a 6-ft (1.8-m) three-wire power cord (120 VAC models include plug).



StableTemp

Specifications

Control type: hydraulic thermostat

Vacuum range: 0 to 30" Hg

Temperature display: dial gauge

Vacuum display: dial gauge

Capacity cu ft (L)	Temperature range	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
0.7 (19.8)	5°C above ambient to 200° C	±6°C at 100°C	2 (fixed)	10 x 10 x 12 (25 x 25 x 30)	20 x 16 1/4 x 16 (51 x 41 x 41)	120	130 (59.0)	GY-05053-10	
				14 x 14 x 20 (36 x 36 x 51)	25 x 22 x 25 (63 x 56 x 63)	240			
2.3 (65.1)	5°C above ambient to 200° C	±5°C at 100°C	2 (fixed)	14 x 14 x 20 (36 x 36 x 51)	25 x 22 x 25 (63 x 56 x 63)	120	310 (140)	GY-05053-20	
				14 x 14 x 20 (36 x 36 x 51)	25 x 22 x 25 (63 x 56 x 63)	240			

[GY-17002-30](#) NIST-traceable calibration with data for ovens

Cole-Parmer® StableTemp™ High-Temperature Vacuum Ovens

Simple, safe operation

- Ensure temperature uniformity and minimize exterior surface temperatures with thick insulation
- Monitor samples continuously with full view window

Electronic-Controlled Oven (models 05017-00 and -05) ensures even heating with wrap-around heating elements. Electronic control back-up prevents overheating. Front panel controls include primary temperature control failure indicators, purge gas and vacuum control valves, vacuum gauge, and temperature control. Gas and vacuum system connectors on the rear panel let you replace air with inert gas.

Microprocessor-Controlled Oven (models 05017-10 and -15) with self-diagnostic indicators, back-up thermostat, and dual controls prevents damage to samples. Program up to eight on/off cycles per day. Front panel indicators alert you to open thermocouple, shorted triac, open heater, or overtemperature conditions.

What's included: two shelves and a power cord with plug (US standard on 120 VAC models; European on 230/240 VAC models).



StableTemp

Specifications

Temperature range:
10°C above ambient to 280°C

Temperature display:
Models 05017-00, -05: dial
Models 05017-10, -15: LED

Vacuum display:
Models 05017-00, -05: dial
Models 05017-10, -15: LED

Capacity cu ft (L)	Temperature uniformity	Rise time to 200°C (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
0.67 (18.9)	±1°C at 100°C	<35	2	10 x 10 x 11 1/2 (25 x 25 x 29)	18 x 22 3/4 x 17 3/4 (46 x 58 x 45)	120, 50/60	90 (41)	GY-05017-00	
				12 x 12 x 18 (30 x 30 x 46)	26 x 22 x 23 (66 x 56 x 58)	240, 50/60			
1.50 (44.5)	±5°C at 100°C	<30	8	12 x 12 x 18 (30 x 30 x 46)	26 x 22 x 23 (66 x 56 x 58)	120, 50/60	205 (93)	GY-05017-10	
				12 x 12 x 18 (30 x 30 x 46)	26 x 22 x 23 (66 x 56 x 58)	230, 50/60			

[GY-17002-30](#) NIST-traceable calibration with data for ovens